



COLLINGWOOD  
LIGHTING

# LIGHTING INNOVATION

RESIDENTIAL CATALOGUE 2025



## PREPARE TO BE ENLIGHTENED

Welcome to Inovara. The culmination and new home of Collingwood, Nobile, and Indigo. We bring together technically advanced skills, innovative backgrounds, sustainability-focused and forward-thinking minds, and data-driven lighting solutions to empower you and your business. With our support and expertise, you'll feel enabled to make confident, future-proof decisions that set new benchmarks in the development of sustainable properties within the residential, commercial, industrial, and landscape sectors.

But our commitment is far-reaching. Our pan-European presence is indeed strong, but with our newly formed capabilities and scalability, we have the stability and long-term market presence to grow yet further. Our focus is on you, your future, the sustainability of your projects, and our commitment in delivering an impeccably designed solution for your LED lighting integration. We can achieve all of that by being your global-thinking partner – a strategic partner, not just a product supplier.

Introducing the strength of Inovara. Lighting innovation.



# Contents

## **01** | Introduction

- 02** Pictorial content
- 14** Light is an experience
- 16** Amazing spaces
- 18** New products

## **24** | Residential

- 24** Residential downlights
- 52** Architectural lighting
- 70** Decorative lighting
- 100** Track lighting
- 112** Strip lighting

## **154** | Landscape

- 160** Ground lights
- 204** Step lights
- 218** Spike lights
- 236** Feature lights
- 242** Wall lights
- 252** Residential floodlights
- 262** Bollards
- 280** Uplights










































## **286** | Colour change

- 288** 3 Simple steps
- 296** Ground lights
- 300** Feature lights
- 304** Wall lights
- 305** LED strip








































## **306** | Lighting controls

- 310** Products per driver matrix
- 314** Driver comparison
- 322** Accessories
- 324** Cable lengths guide
- 325** Information











































## Pictorial Contents



























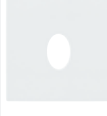





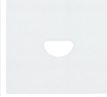





Residential downlights											
H2 Deco Black		H2D1BLKBLK	33	H4 Lite Brushed steel		DL490BS5530 DL490BS5540	43	DLCONVERT 170 Matt white		DLCVT170MW	50
H2 Deco Black-White		H2D1BLKWHI	32	H4 Lite CSP		DLT661600A	47	DLCONVERT 70 Brushed steel		DLCONVERT70BS	50
H2 Deco White		H2D1WHIWHI	31	H4 Lite Matt White		DL490MW5530 DL490MW5540	43	DLCONVERT 70 Chrome		DLCONVERT70CR	50
H2 Lite 8 Pack		DLT388MW5530A8	42	H4 Pro		DLE5295500	37	DLCONVERT 70 Gloss white		DLCONVERT70WH	50
H2 Lite Black		DLT388BLK5530 DLT388BLK5540	42	H4 Pro 550		DLE4353830 DLE4353840 DLE4357030 DLE4357040	41	DLCONVERT 70 Matt white		DLCONVERT-70MW	50
H2 Lite Brushed steel		DLT388BS5530 DLT388BS5540	42	H5 Trimless		DL282WHNWDIM DL282WHWWDIM	30	H4 Lite CSP Bezel Black		DLT661BLKBZ	49
H2 Lite CSP 8 Pack		DLT551500A8	44					H4 Lite CSP Bezel Brushed Steel		DLT661BSBZ	49
H2 Lite CSP White		DLT551500A	45	Residential downlights accessories				DLCONVERT 110 Black		DLCVT110BLK	50
H2 Lite Matt white		DLT388MW5530 DLT388MW5540	42	DLCONVERT 110 Brushed steel		DLCVT110BS	50	DM298FP		DM298FP	51
H2 Pro		DLE5245500 DLE5245500EM	36	DLCONVERT 110 Chrome		DLCVT110CR	50	DM298GRID		DM298GRID	51
H2 Pro 550		DLE4723830 DLE4723840 DLE4727030 DLE4727040	39	DLCONVERT 110 Gloss white		DLCVT110WH	50	H2 Bezel Antique brass		RB359AB	49
H2 Pro Extreme CSP		H2EXTIA H2EXTIB H2EXTIW	34	DLCONVERT 110 Matt white		DLCVT110MW	50	H2 Bezel Black		RB359BLK	49
H2 Sense		DLSENSE	35	DLCONVERT 170 Brushed steel		DLCVT170BS	50	H2 Bezel Brushed steel		RB359BS	49
H4 Lite Black		DL490BLK5530 DL490BLK5540	43	DLCONVERT 170 Chrome		DLCVT170CR	50	H2 Bezel Gloss white		RB359WH	49
								H2 Bezel Matt white		RB359MW	49



Residential downlights accessories								
H2 Bezel Polished gold		RB359PG 49	H4 Bezel Chrome		RB442CR 49	ALLY 2 RDX White		DO528WW30 76
H2 Bezel Silver		RB359SIL 49	H4 Bezel Gloss white		RB442WH 49	ALLY 3 RDX Black		DO529WW05 77
H2 Sense Bezel Black		DLSENBBEZ 35	H4 Bezel Matt white		RB442MW 49	ALLY 3 RDX White		DO529WW30 77
H2 Sense Bezel Brushed steel		DLENSBEZ 35				ALLY 4 RDX Black		DO530WW05 77
H2 Sense Bezel White		DLESNWBEZ 35	Architectural			ALLY 4 RDX White		DO530WW30 77
H2 Sense PIR Bezel Black		DLSENBBEZP 35	1901 Adjustable Downlight		See Matrix, pages 54-55 to build your product 65	DOTS 3W Black		DO500WW05 DO500WW05DA 78
H2 Sense PIR Bezel Brushed steel		DLENSBEZP 35	1901 Fixed Downlight		See Matrix, pages 54-55 to build your product 64	DOTS 3W White		DO500WW30 DO500WW30DA 78
H2 Sense PIR Bezel White		DLESNWBEZP 35	1901 Pendant		See Matrix, pages 54-55 to build your product 66	DOTS 6W Black		DO496WW05 DO496WW05DA 79
H2 Sq Bezel Black		SQB360BLK 49	1901 Rotatable Spot		See Matrix, pages 54-55 to build your product 67	DOTS 6W White		DO496WW30 DO496WW30DA 79
H2 Sq Bezel Matt white		SQB360MW 49	Architectural accessories			FULLA		WA169WW30 88
H2 Sq Bezel Polished gold		SQB360PG 49	BDLFH2		BDLFH2 68	LED Lyte IP		LED LYTE IP 27 LED LYTE IP NW LED LYTE IP WW 97
H2 Sq Bezel Silver		SQB360SIL 49	Decorative lighting			LED Lyte IP T		LED LYTE IP T NW 98
H4 Bezel Black		RB442BLK 49	ALLY 1 RDX Black		DO527WW05 76	Lustre Ceiling Light Black - Gold Reflector		AIN3KCLBKGD 74
H4 Bezel Brushed steel		RB442BS 49	ALLY 1 RDX White		DO527WW30 76	Lustre Ceiling Light Black - White Reflector		AIN3KCLBKWH 74
			ALLY 2 RDX Black		DO528WW05 76			










































## Pictorial Contents

Decorative lighting								
Lustre Ceiling Light White - Gold Reflector		AIN3KCLWHGD 74	OKTO 2 C GU10 Matt White - Champagne		WA23249 84	OKTO 4 C GU10 Matt White - Rose		WA23382 85
Lustre Ceiling Light White - White Reflector		AIN3KCLWHWH 74	OKTO 2 C GU10 Matt White - Rose		WA23282 84	OKTO 4 C GU10 Matt White - Rose Gold		WA23302 85
Lustre Pendant Black - Gold Reflector		AIN3KPLBKGD 73	OKTO 2 C GU10 Matt White - Rose Gold		WA23202 84	OKTO C GU10 Matt Black		WA23005 83
Lustre Pendant Black - White Reflector		AIN3KPLBKWH 73	OKTO 2 GU10 Matt Black		WA23405 81	OKTO C GU10 Matt Black - Champagne		WA23008 83
Lustre Pendant White		AIN3KPLWHGD 73	OKTO 2 GU10 Matt Black - Champagne		WA23408 81	OKTO C GU10 Matt Black - Rose		WA23083 83
Lustre Pendant White		AIN3KPLWHWH 73	OKTO 2 GU10 Matt Black - Rose		WA23483 81	OKTO C GU10 Matt Black - Rose Gold		WA23006 83
Lustre Wall Light Black		AIN3KWLBK 75	OKTO 2 GU10 Matt Black - Rose Gold		WA23406 81	OKTO C GU10 Matt White		WA23030 83
Lustre Wall Light White		AIN3KWLWH 75	OKTO 2 GU10 Matt White		WA23430 81	OKTO C GU10 Matt White - Champagne		WA23049 83
ML01		ML01 27 ML01 NW ML01 WW 96	OKTO 4 C GU10 Matt Black		WA23305 85	OKTO C GU10 Matt White - Rose		WA23082 83
OKTO 2 C GU10 Matt Black		WA23205 84	OKTO 4 C GU10 Matt Black - Champagne		WA23308 85	OKTO C GU10 Matt White - Rose Gold		WA23002 83
OKTO 2 C GU10 Matt Black - Champagne		WA23208 84	OKTO 4 C GU10 Matt Black - Rose		WA23383 85	OKTO P GU10 Matt Black		SUI6005 87
OKTO 2 C GU10 Matt Black - Rose		WA23283 84	OKTO 4 C GU10 Matt Black - Rose Gold		WA23306 85	OKTO P GU10 Matt Black - Champagne		SUI6008 87
OKTO 2 C GU10 Matt Black - Rose Gold		WA23206 84	OKTO 4 C GU10 Matt White		WA23330 85	OKTO P GU10 Matt Black - Rose		SUI6083 87
OKTO 2 C GU10 Matt White		WA23230 84	OKTO 4 C GU10 Matt White - Champagne		WA23349 85	OKTO P GU10 Matt Black - Rose Gold		SUI6006 87


































Decorative lighting																	
OKTO P GU10 Matt White		SU16030	87	Stepbeam Bezel Circle Satin Chrome		RBEZCIRCLES	93	Stepbeam SQ Bezel Slot Black		SBEZSLOTB	93						
		SU16049	87		Stepbeam Bezel Circle White		RBEZCIRCLEW		93	Stepbeam SQ Bezel Slot Satin Chrome		SBEZSLOTWS	93				
		SU16082	87			Stepbeam Bezel Half Circle Black			RBEZHCIRCLEB		93	Stepbeam SQ Bezel Slot White		SBEZSLOTW	93		
		SU16002	87				Stepbeam Bezel Half Circle Satin Chrome				RBEZHCIRCLES		93				
PLANK 1 20W		PK30/1A/3K/W	89	Stepbeam Bezel Half Circle White					RBEZHCIRCLEW		93		Track lighting				
	PLANK 1 40W		PK60/1A/3K/W		89			Stepbeam Bezel Slot Black		RBEZSLOTB	93		3-Circuit Aurea Pendant Black		TR43405	109	
		PLANK 2 2x16W			PK30/2A/3K/W	91			Stepbeam Bezel Slot Satin Chrome		RBEZSLOTWS	93		3-Circuit Aurea Pendant White		TR43430	109
			PLANK 2 2x32W			PK60/2A/3K/W	91			Stepbeam Bezel Slot White		RBEZSLOTW			93	3-Circuit Aurea Spot Black	
Stepbeam					STEPBEAM30	92	Stepbeam SQ Bezel Circle Black					SBEZCIRCLEB			93		3-Circuit Aurea Spot White
	WL041IP				WL041 IP NW WL041 IP WW	95		Stepbeam SQ Bezel Circle Satin Chrome				SBEZCIRCLES	93		Track lighting components		
						Stepbeam SQ Bezel Circle White					SBEZCIRCLEW	93	TR22030		TR22030		
									Stepbeam SQ Bezel Half Circle Black		SBEZHCIRCLEB	93		TR22031		TR22031	
							Stepbeam SQ Bezel Half Circle Satin Chrome				SBEZHCIRCLES	93			TR22130		TR22130
								Stepbeam SQ Bezel Half Circle White			SBEZHCIRCLEW	93				TR22131	
												TR22330					TR22330
			Decorative lighting accessories														
LED Lyte 1M EXT				LED LYTE 1M EXT	99												
	LED Lyte 6WAY EXT			LED LYTE 6 WAY EXT	99												
		Stepbeam Bezel Circle Black		RBEZCIRCLEB	93												

## Pictorial Contents

Track lighting components											
TR22331		TR22331	104, 105	TR23131		TR23131	104, 105, 111	LSC05		LSC0527200 LSC0530200 LSC0540200	138
TR22430		TR22430	104, 105	TR23230		TR23230	104, 105, 111	LSC06		LSC0627100 LSC0630100 LSC0640100	140
TR22431		TR22431	104, 105	TR23231		TR23231	104, 105, 111	LSC82		LSC8227200 LSC8230200 LSC8240200	141
TR22530		TR22530	104, 105	TR23530		TR23530	104, 105	LSC84		LSC8427400 LSC8430400 LSC8440400	144
TR22531		TR22531	104, 105	TR23531		TR23531	104, 105	LSC85		LSC8527400 LSC8530400 LSC8540400	143
TR22630		TR22630	104, 105, 111	TR23630		TR23630	104, 105	LSC86		LSC8627400 LSC8630400 LSC8640400	145
TR22631		TR22631	104, 105, 111	TR23631		TR23631	104, 105	LSFA		LSFA0727050 LSFA0730050 LSFA0740050	146
TR22830		TR22830	104, 105, 111	TR23730		TR23730	104, 105, 110	LSNS		LSNS7327030 LSNS7327050 LSNS7327100 LSNS7330030 LSNS7330050 LSNS7330100 LSNS7340030 LSNS7340050 LSNS7340100 LSNS7527030 LSNS7527050 LSNS7530030 LSNS7530050 LSNS7540030 LSNS7540050	148
TR22831		TR22831	104, 105, 111	TR23731		TR23731	104, 105, 110				
TR22930		TR22930	104, 105, 111	TR23830		TR23830	104, 105, 110	LSNT		LSNT7327030 LSNT7327050 LSNT7327100 LSNT7330030 LSNT7330050 LSNT7330100 LSNT7340030 LSNT7340050 LSNT7340100 LSNT7527030 LSNT7527050 LSNT7530030 LSNT7530050 LSNT7540030 LSNT7540050	150
TR22931		TR22931	104, 105, 111	TR23831		TR23831	104, 105, 110				
TR23030		TR23030	104, 105, 111					LSP		LSP195027 LSP205030 LSP225040	146
TR23031		TR23031	104, 105, 111								
TR23130		TR23130	104, 105, 111					LSC02		LSC0227200 LSC0230200 LSC0240200	137
								LSC04		LSC0427100 LSC0430100 LSC0440100	139
								LSV02		LSV0227050 LSV0227500 LSV0230050 LSV0230500 LSV0240050 LSV0240500	131
								LSV05		LSV0527050 LSV0527500 LSV0530050 LSV0530500 LSV0540050 LSV0540500	132






































Strip lights			
Strip lights	LSV42	 LSV4227050 LSV4230050 LSV4240050	134
	LSV45	 LSV4527050 LSV4530050 LSV4540050	135
	SP50	 SP5027 SP5030 SP5040	153
Strip lights accessories			
Strip lights accessories	CO7	 CO7010 CO7020	123
	CO7ECA	 CO7ECA	123
	CO7ECB	 CO7ECB	123
Strip lights accessories	CO7MB	 CO7MB	123
	LED COVE PACK 1M	 LED COVE PACK 1M	123
	LSAFC122	 LSAFC122	126
Strip lights accessories	LSAFC122	 LSAFC122	126
	LSAFD	 LSAFD82F	126
	LSK	 LSK2208FB	126
Strip lights accessories	LSNS1217B2P	 LSNS1217B2P	127
	LSNS1217E2P	 LSNS1217E2P	127
	LSNS1217EC	 LSNS1217EC	127
Strip lights accessories	LSNS1217L2P	 LSNS1217L2P	127
	LSNS1217MAL	 LSNS1217MAL	124
	LSNS1217MPC	 LSNS1217MPC	124
Strip lights accessories	LSNS1217PAL	 LSNS1217PAL	124
	LSNS1217PFL	 LSNS1217PFL	124
	LSNS1217PPC	 LSNS1217PPC	124
Strip lights accessories	LSNS1217R2P	 LSNS1217R2P	127
	LSNS1217SS	 LSNS1217SS	127
	LSNS1217SSF	 LSNS1217SSF	127
Strip lights accessories	LSNT1312B2P	 LSNT1312B2P	127
	LSNT1312E2P	 LSNT1312E2P	127
	LSNT1312EC	 LSNT1312EC	127
Strip lights accessories	LSNT1312L2P	 LSNT1312L2P	127
	LSNT1312MAL	 LSNT1312MAL LSNT1312MPC	125
	LSNT1312PAL	 LSNT1312PAL	125
Strip lights accessories	LSNT1312PFL	 LSNT1312PFL	125
	LSNT1312PPC	 LSNT1312PPC	125
	LSNT1312R2P	 LSNT1312R2P	127
Strip lights accessories	LSNT1312SS	 LSNT1312SS	127
	LSNT1312SSF	 LSNT1312SSF	127
	LSPLA21314	 LSPLA21314	123
Strip lights accessories	RP28	 RP28020	122
	RP7	 RP7010 RP7020	122
	RP7EC	 RP7ECA	122
Strip lights accessories	RP7ECB	 RP7ECB	122
	SM28	 SM28010 SM28020	122

## Pictorial Contents

Strip lights accessories											
SM28ECA		SM28ECA	122	GL016 Square Stainless Steel		GL016SQSS27F GL016SQSS30F GL016SQSS40F	193	GL038 Stainless Steel		GL038SS22MF GL038SS27MF GL038SS30MF GL038SS40MF	201
SM28MB		SM28MB	122	GL016 Ultra Low Glare Stainless Steel		GL016USS22F GL016USS27F GL016USS30F GL016USS40F	191	GL040 Frosted Stainless Steel		GL040SSFD22 GL040SSFD27 GL040SSFD30 GL040SSFD40	195
SM7		SM7010 SM7020	122	GL018 C		GL018 C 27 GL018 C NW GL018 C WW	166	GL040 Half Moon Stainless Steel		GL040SSHM22 GL040SSHM27 GL040SSHM30 GL040SSHM40	198
SM7ECA		SM7ECA	122	GL018 C AB		GL018 C AB WW	166	GL040 Low Glare Stainless Steel		GL040SSLG22F GL040SSLG22S GL040SSLG27F GL040SSLG27S GL040SSLG30F GL040SSLG30S GL040SSLG40F GL040SSLG40S	196
SM7ECB		SM7ECB	122	GL018 SQ		GL018 SQ WW	167	GL040 Round Stainless Steel		GL040RSS22F GL040RSS22S GL040RSS27F GL040RSS27S GL040RSS30F GL040RSS30S GL040RSS40F GL040RSS40S	194
SM7LC		SM7LC	122	GL019 Frosted Stainless Steel		GL019SSFD22 GL019SSFD27 GL019SSFD30 GL019SSFD40	170	GL040 Ultra Low Glare Stainless Steel		GL040USS22F GL040USS22S GL040USS27F GL040USS27S GL040USS30F GL040USS30S GL040USS40F GL040USS40S	197
SM7MA		SM7MA	122	GL019 Half Moon Stainless Steel		GL019SSHM22 GL019SSHM27 GL019SSHM30 GL019SSHM40	174	GL100 Stainless steel 1 window		GL100SSIW22 GL100SSIW27 GL100SSIW30 GL100SSIW40	176
Ground lights				GL019 Low Glare Stainless Steel		GL019SSLG22F GL019SSLG22S GL019SSLG27F GL019SSLG27S GL019SSLG30F GL019SSLG30S GL019SSLG40F GL019SSLG40S	172	GL100 Stainless steel 2 windows 1 direction		GL100SS2W22 GL100SS2W27 GL100SS2W30 GL100SS2W40	177
GL016 Frosted Stainless Steel		GL016SSFD22 GL016SSFD27 GL016SSFD30 GL016SSFD40	188	GL019 Round Stainless Steel		GL019RSS22F GL019RSS22S GL019RSS27F GL019RSS27S GL019RSS30F GL019RSS30S GL019RSS40F GL019RSS40S	169	GL100 Stainless steel 2 windows 2 directions		GL100SS2O22 GL100SS2O27 GL100SS2O30 GL100SS2O40	177
GL016 Half Moon Stainless Steel		GL016SSHM22 GL016SSHM27 GL016SSHM30 GL016SSHM40	192	GL019 Square Stainless Steel		GL019SQSS30F GL019SQSS40F GL019SQSS40S	175	GL100 Stainless steel 3 windows		GL100SS3W22 GL100SS3W27 GL100SS3W30 GL100SS3W40	178
GL016 Low Glare Stainless Steel		GL016SSLG22F GL016SSLG22S GL016SSLG27F GL016SSLG27S GL016SSLG30F GL016SSLG30S GL016SSLG40F GL016SSLG40S	190	GL019 Ultra Low Glare Stainless Steel		GL019USS22F GL019USS22S GL019USS27F GL019USS27S GL019USS30F GL019USS30S GL019USS40F GL019USS40S	173	GL100 Stainless steel 4 windows		GL100SS4W22 GL100SS4W27 GL100SS4W30 GL100SS4W40	179
GL016 Round Stainless Steel		GL016RSS22F GL016RSS22S GL016RSS27F GL016RSS27S GL016RSS30F GL016RSS30S GL016RSS40F GL016RSS40S	187								



## Pictorial Contents

Ground lights								Spike lights			
GL200 Antique brass 1 window		GL200AX1X30	184	TUBE332		TUBE332	202	SL030 Stainless steel		SL030 F 27 SL030 F NW SL030 F WW	222
GL200 Antique brass 2 windows 1 direction		GL200AX2I30	184					SL040A		SL040A F 27 SL040A F WW SL040A S 27 SL040A S NW SL040A S WW	223
GL200 Antique brass 2 windows 2 directions		GL200AX2230	184					SL130 Black		SL13027 SL13030 SL13040	222
GL200 Antique brass 3 windows		GL200AX3X30	185					SL130 Bronze		SL130ZMBX27 SL130ZMBX30	222
GL200 Antique brass 4 windows		GL200AX4X30	185					SL220 Low Voltage Stainless Steel		SL220SS22XF SL220SS22XS SL220SS27XF SL220SS27XS SL220SS30XF SL220SS30XS SL220SS40XF SL220SS40XS	224
GL200 Stainless steel 1 window		GL200DX1X27 GL200DX1X30 GL200DX1X40	181	GL019 Eyelid Black		GL019E27BL GL019E30BL	208	SL220 Mains Voltage Stainless Steel		SL220SS22MF SL220SS22MS SL220SS27MF SL220SS27MS SL220SS30MF SL220SS30MS SL220SS40MF SL220SS40MS	225
GL200 Stainless steel 2 windows 1 direction		GL200DX2I27 GL200DX2I30 GL200DX2I40	181	GL019 Eyelid Stainless steel		GL019E27SS GL019E30SS	208	SL230 Black		SL230BWBX27 SL230BWBX30	228
GL200 Stainless steel 2 windows 2 directions		GL200DX2227 GL200DX2230 GL200DX2240	181	GL021		GL021 27 GL021 NW	213	SL230 Bronze		SL230ZWBX27 SL230ZWBX30	228
GL200 Stainless steel 3 windows		GL200DX3X27 GL200DX3X30	182	GL022		GL022 27 GL022 NW GL022 WW	214	SL230 Mains Black		SL230BWBX27 SL230BWBX30	229
GL200 Stainless steel 4 windows		GL200DX4X27 GL200DX4X30 GL200DX4X40	182	GL034 Stainless Steel		GL034SS22MF GL034SS27MF GL034SS30MF GL034SS40MF	211	SL230 Mains Bronze		SL230ZWBX27 SL230ZWBX30	229
Tilt Mains ground light		GLTMFI47T30 GLTMFI65T30 GLTMSI19T30 GLTMSI47T30 GLTMSI65T30 GLTMSI93T30 GLTMS223T30	203	WL339		WL339WW	215	SL230 Mains Stainless steel		SL230DWBX27 SL230DWBX30	229
				WL340 Antique brass		WL340AB27 WL340ABWW	216	SL230		SL230DWBX30	228
				WL340 Stainless steel		WL340WW	216				
				WL341		WL341NW WL341WW	217				
				WL342 Antique brass		WL342AB27 WL342AB30	219				
				WL342 Stainless steel		WL34227 WL342NW WL342WW	219				
Ground lights accessories											
TUBE/50		TUBE/50	202								
TUBE/68		TUBE/68	202								

## Pictorial Contents

Spike lights			
SLM230 Mains Anthracite grey		SLM230SHA30	227
		SLM230SHB30	227
SLM230 Mains Black		SLX230SHA30	226
		SLX230SHB30	226
SLX230 Anthracite grey		SPYB3DCS SPYB3FCS	234
		SPYA3DCS SPYA3FCS	232
SLX230 Black		SPYB6DCS SPYB6FCS	235
		SPYA6DCS SPYA6FCS	233
Spydra 300mm Black		GH220B	231
		GH220Z	231
Spydra 300mm Grey		GH220D	231
		GS220B	231
Spydra 600mm Black		GS220Z	231
		GS220B	231
Spydra 600mm Grey		GS220Z	231
		GS220B	231

GS220 Stainless steel		GS220D	231
		SPYBASEA	232-235
SPYBASEA		SPYBASEB	232-235
		SPYDCOVA	232-235
SPYBASEB		SPYDCOVA	232-235
		SPYDCOV B	232-235
SPYDCOVA		SPYFCOVA	232-235
		SPYFCOV B	232-235
SPYDCOV B		SPYFCOVA	232-235
		SPYFCOV B	232-235
SPYFCOVA		SPYSPIKE	232-235
		SPYSPIKE	232-235







































WL012 Grey		WL012G30	251
		WL060 NW WL060 WW	250
WL060 Silver		WL070BNBM27 WL070BNBM30 WL070BNBM40	247
		WL070ZNB M27 WL070ZNB M30	247
WL070 Black		WL070CNBM27 WL070CNBM30	247
		WL070SNBM27 WL070SNBM30 WL070SNBM40	247
WL070 Bronze		WL075BNBM27 WL075BNBM30 WL075BNBM40	249
		WL075ZNB M27 WL075ZNB M30	249
WL070 Copper		WL075SNBM27 WL075SNBM30 WL075SNBM40	249
		WL160 27 WL160 NW WL160 WW	250
WL070 Silver		WL220SS22MF WL220SS22MS WL220SS27MF WL220SS27MS WL220SS30MF WL220SS30MS WL220SS40MF WL220SS40MS	248
		WL012X30	251

Spike lights accessories			
GH220 Black		GH220B	231
		GH220Z	231
GH220 Bronze		GH220D	231
		GS220B	231
GH220 Stainless steel		GS220Z	231
		GS220B	231
GS220 Black		GS220Z	231
		GS220B	231
GS220 Bronze		GS220Z	231
		GS220B	231









































Feature lights			
UL010 Stainless Steel		UL010SS22XF UL010SS27XF UL010SS30XF UL010SS40XF	241
		UL030SS22XF UL030SS22XS UL030SS27XF UL030SS27XS UL030SS30XF UL030SS30XS UL030SS40XF UL030SS40XS	240
UL030 Stainless Steel		UL012X30	251
		FL01APCS FL01AXCS	256

Wall lights			
WL012 Black		WL012X30	251
		FL01 Anthracite grey	

Residential floodlights			
FL01 Anthracite grey		FL01APCS FL01AXCS	256

Residential floodlights			
FL01 Black		FL01BPCS FL01BXCS	256
FL01 White		FL01WPCS FL01WXCS	256
FL02 Anthracite grey		FL02APCS FL02AXCS	257
FL02 Black		FL02BPCS FL02BXCS	257
FL02 White		FL02WPCS FL02WXCS	257
FL03 Anthracite grey		FL03APCS FL03AXCS	259
FL03 Black		FL03BPCS FL03BXCS	259
FL03 White		FL03WPCS FL03WXCS	259
FL05 Anthracite grey		FL05APCS FL05AXCS	260
FL05 Black		FL05BPCS FL05BXCS	260
FL05 White		FL05WPCS FL05WXCS	260
FL10		FL10BXCS	261
Bollards			
BL01 Chamfered iroko		BL01FIB30 BL01FIS30	269
BL01 Domed iroko		BL01DIB27 BL01DIB30 BL01DIB40 BL01DIS30	269
BL01 Pointed iroko		BL01PIB27 BL01PIB30 BL01PIS27 BL01PIS30 BL01PIS40	269
BL03 Chamfered iroko		BL03FIB30 BL03FIS27 BL03FIS30 BL03FIS40	268
BL03 Domed iroko		BL03DIB30 BL03DIS27 BL03DIS30	268
BL03 Pointed iroko		BL03PIB30 BL03PIS27 BL03PIS30 BL03PIS40	268
BOL100		BOL100X30	273
BOL101		BOL101X30	273
BOL200		BOL200X30	274
BOL201		BOL201X30	274
BOL300		BOL300X30	275
BOL301		BOL301X30	275
Luxi 54		OUI3624	277
Luxi 650		OUI3824	279
Slim Bollard 300mm Black		BLSBK3RDCS	276
Slim Bollard 300mm Corten		BLSCN3RDCS	276
Slim Bollard 300mm Grey		BLSAG3RDCS	276
Slim Bollard 600mm Black		BLSBK6RDCS	276
Slim Bollard 600mm Corten		BLSCN6RDCS	276
Slim Bollard 600mm Grey		BLSAG6RDCS	276
Bollards accessory			
BOL LED Bracket		BOL LED BRACKET	270
Uplights			
Volta LEDLINE 1000mm		LL1000AT27 LL1000AT30 LL1000MT27 LL1000MT30 LL1000WT27 LL1000WT30	285
Volta LEDLINE 500mm		LL500AT27 LL500AT30 LL500MT27 LL500MT30 LL500WT27 LL500WT30	284
Colour change			
Fountain RGBW		FOUX167RGBW	299
GL016RGBW		GL016RGBW	296
GL090RGBW		GL090RGBW	297

## Pictorial Contents

Colour change								
LSR05		LSR0527050 LSR0530050 LSR0540050 305	CCDRV75RF		CCDRV75RF 292	LSD12024		LSD12024 310-311
Tilt RGBW ground light		GLTXS119RGBW GLTXS147RGBW GLTXS165RGBW GLTXS193RGBW GLTXS223RGBW 302	CCREMOTEB		CCREMOTEB 290	LSD6024		LSD6024 310-311
UL010RGBW		UL010RGBW 300	CCRFCONVWIFI		CCRFCONVWIFI 291	PDCINT1-10V		PDCINT1-10V 310-311
UL030RGBW		UL030RGBW 301	CCWALLRFB		CCWALLRFB 290	PLD UNI-DRIVE 350MA		PLD UNI-DRIVE 350MA 310-311
WL070RGBW		WL070RGBW 304	CCWALLRFW		CCWALLRFW 290	PLD UNI-DRIVE 700MA		PLD UNI-DRIVE 700MA 310-311
			CF505RGBW		CF505RGBW 295	PLDM7001I		PLDM7001I 310-311
Colour change components			COLLINGWOODRGBW APP		COLLINGWOODRGBW APP 291	PS1524		PS1524 310-311
CCDRV100DALI		CCDRV100DALI 292	CR575RGBW		CR575RGBW 295	PS3024B		PS3024B 310-311
CCDRV100DMX		CCDRV100DMX 292	LEDRGBWEXT		LEDRGBWEXT 295	PS7524		PS7524 310-311
CCDRV100RF		CCDRV100RF 292	PR3002		PR3002 294	PSDAL20024		PSDAL20024 310-311
CCDRV200DALI		CCDRV200DALI 292	PR3011		PR3011 294	PSDAL350M		PSDAL350M 310-311
CCDRV200DMX		CCDRV200DMX 292	LED drivers			PSDAL700M		PSDAL700M 310-311
CCDRV200RF		CCDRV200RF 292	DRV150700		DRV150700 310-311	PSDAL900M		PSDAL900M 310-311
CCDRV75DALI		CCDRV75DALI 292	DRV350700TD		DRV350700TD 310-311	PSDIM180		PSDIM180 310-311
CCDRV75DMX		CCDRV75DMX 292						

LED drivers			Lighting control general accessories		
PSDIM350		PSDIM350 310-311	JB1		JB1 322
PSDIM700		PSDIM700 310-311	JB2		JB2 322
PSDIM900		PSDIM900 310-311	JB3		JB3 322
PSDIP10024		PSDIP10024 310-311	JB4		JB4 322
PSDIP6024		PSDIP6024 310-311	JB5		JB5 322
PSIP15024		PSIP15024 310-311	JB6		JB6 322
PSIP25024		PSIP25024 310-311	JB7		JB7 322
PSIP35018W		PSIP35018W 310-311	UY2 CONNECTOR		UY2 CONNECTOR 323
PSIP3509W		PSIP3509W 310-311	WC 5-9		WC 5-9 322
PSIP70018W		PSIP70018W 310-311	WCR 275 BLACK		WCR 275 BLACK 323
PSIP70036W		PSIP70036W 310-311	WCR 375 BLACK		WCR 375 BLACK 323
PSMD3024		PSMD3024 310-311			
PSMDIP10024		PSMDIP10024 310-311			

# Light is an experience

## There's lighting, and then there's lighting

Filling a room with light is easy, but bringing a space to life with light takes expertise. We thrive on making the most of spaces and taking your projects to the next level with our lighting design studio.

Our team of professional lighting designers are accredited LIA certified designers have decades of experience, providing bespoke lighting design solutions for our stockists and end contractors. We pride ourselves on providing a quality hassle free service, delivering quality, compliant, energy saving solutions on time.

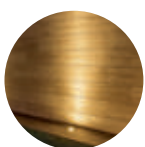
### What is included in our service?

- Customised designs built specifically for your needs.
- From single room to entire building projects.
- Quick, efficient and on budget service.
- Compliant lighting solutions.
- Value engineer service.
- We use Dialux and Relux to make sure we have the most effective software possible.
- We provide a full quote and solution.

**All you need to do is provide us with a DWG or PDF plan of your project, and from there we can provide you with a full solution and quote.**

### Atmosphere with colour

Choosing the ideal CCT is essential to creating the perfect atmosphere for your project.



**Ember**  
2200K



**Warmest**  
2700K



**Warm**  
3000K



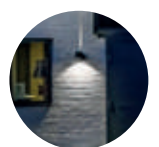
**Natural white**  
4000K



**Wood / Sand**  
2200K - 2700K



**Stone**  
3000K



**Whites**  
4000K

### Maximising materials with colour

Bring the best out of the materials in your project by using the ideal CCT (Correlated Colour Temperature).





## Layering light for interiors

Combining key elements of ambient, accent and task lighting, will create a sophisticated multi-layered lighting scheme to bring any space to life.

### ① Ambient lighting

The primary source of light in a space providing general background illumination.

### ② Accent lighting

Provides points of focus and highlights areas of the space to add depth.

### ③ Task lighting

Lights areas for specific tasks to take place in the space.



## Layering light for exteriors

Combining functional, feature and social lighting will make the most of an exterior space whilst adding depth to the lighting scheme.

### ④ Functional lighting

Lights areas for specific tasks to take place in the space.

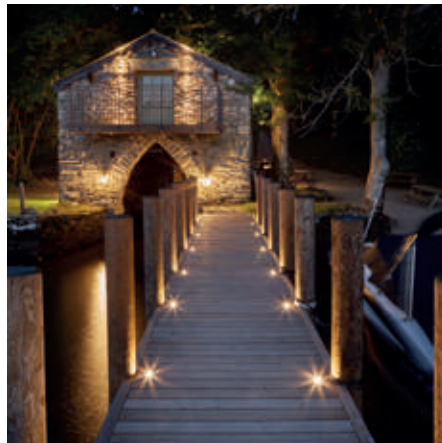
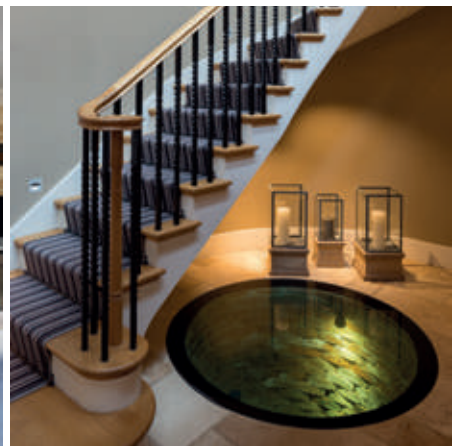
### ⑤ Feature lighting

Provides points of focus and highlights elements of the space to add depth.

### ⑥ Social lighting

Creates ambience and a space that people will spend most of their time in.







# Amazing spaces

**Your vision, your way,  
created together**

We believe you have the ability to create amazing projects and we want to help you achieve it. Creating environments that put people's experience first and enhance everyday life are fundamental to our approach at Collingwood. Let's create an amazing space together.

**#lightyourmoment**





## New H2 Deco

Upgrade your home's ambiance with H2 Deco, the innovative downlight that seamlessly blends function and style. With a UGR19 rating, H2 Deco offers true low glare, which reduces eye strain. It also has a Wattage Switch that lets you change brightness from a relaxing 550 lumens to a stunning 1000 lumens. Beyond brightness, this CCT Switchable Product allows you to select the perfect colour temperature (2200K-4000K) to create the perfect atmosphere. Use the 2200K "Ember Light" to create a warm and inviting fireplace mood, or use the 2700K to draw attention to warm tones in wood furnishings.

### H2 Deco

Pages 31 - 33







## New Lustre range

Lustre Pendant Range combines contemporary design with classic aesthetics, making it suitable for both residential and hospitality environments. Its distinct retro style seamlessly complements modern interiors, offering versatile options for achieving a cohesive look or adding a touch of vintage flair.

Lustre Ceiling Light is a visually appealing combination of form and function. Its distinctive concentric circle design creates a visually appealing decorative light effect, and its wide 120° beam angle provides ample illumination.

Lustre Wall Light Range helps to elevate your interior application with our versatile wall-mounted lighting solution. Plus, with a wide 120° beam angle for broad illumination and through-wiring capabilities for creative installations, these lights provide limitless possibilities.

### Lustre range

Pages 73 - 75





## New H4 Lite CSP

H4 Lite CSP is a superior solution that is engineered to be the perfect fit-and-forget solution. The colour temperature can be easily controlled by simply twisting the bezel off and flicking the switch on the front face of the product. The addition of the 2700K colour temperature gives you the option of creating an excellent and warm atmosphere. Large piano key terminals allow loop-in/ loop-out wiring with ease. White bezel as standard. Brushed steel and Black bezels are available.

### H4 Lite CSP

Pages 47







## New 3 Circuit Track

Using our 3 Circuit Track elevates your lighting design with a bespoke solution. Ideal for residential and retail installations, it allows you to select and install different luminaires to create directional, accent, task or mood lighting. Each track provides power for three luminaires and comes with connectors, end caps and mounting kits. It is a fast and simple way to provide a customisable lighting solution.

### 3 Circuit Track

Pages 107 - 109





## New Spydra CSP

Spydra adds charm and functionality to your outdoor space with its sleek design and durable build. It comes with an installation spike and water protection for a hassle-free setup. Dim it (with a compatible driver) to create the ideal ambiance, and select from domed or flat covers (both included). This low-voltage light provides excellent light output and even 360° distribution, all while remaining safe and effective. IP66 rated; it can withstand the elements and is ideal for gardens or pathways.

### Spydra CSP

Pages 232 - 235







## New Slim CSP

Slim Bollard is a stylish and long-lasting lighting solution for your outdoor space, available in 300mm and 600mm sizes and Black, Grey, or Corten finishes to match your decor. It's simple to install, with cable entry through the base, an expansion bolt kit, and an IP68 inline connector. With its IP65 weatherproof rating, is ideal for car parks, walkways, and other outdoor environments. It features advanced CSP technology for superior light output, CCT switch capability, and uniform 360° lighting distribution.

### Slim CSP

Page 276



# Downlights





# Residential downlights

## Easy installation and built to last

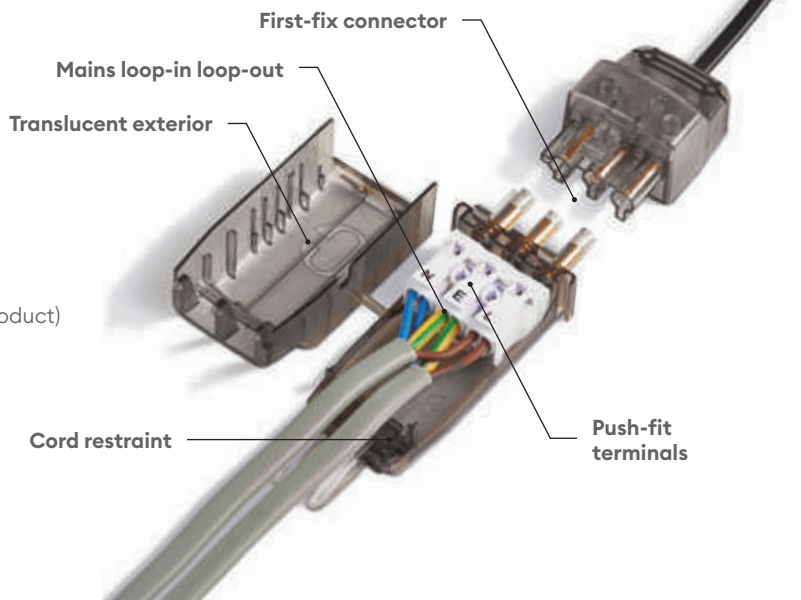
Built to last with high quality components and innovative features, ensuring longevity and easy installation.

### Easy-fit connector

#### Quick & easy installation

Our patented Easy-fit connector supplied with H2/H4 Lite designed to minimise installation time and ensures fitting the product is as easy as possible. The 2-part push-fit connector makes wiring to the mains a less time-consuming process. The light can also be easily attached and replaced by anyone.

- No tools required for installation (when already attached to product)
- Piano key connector for ease of installation
- First-fix compatible
- Retro-fit compatible
- Less risk of damaging fittings and ceiling during installation
- Loop-in loop-out
- 16A rated



### H2 Lite, H2 Pro Extreme CSP and H4 Lite

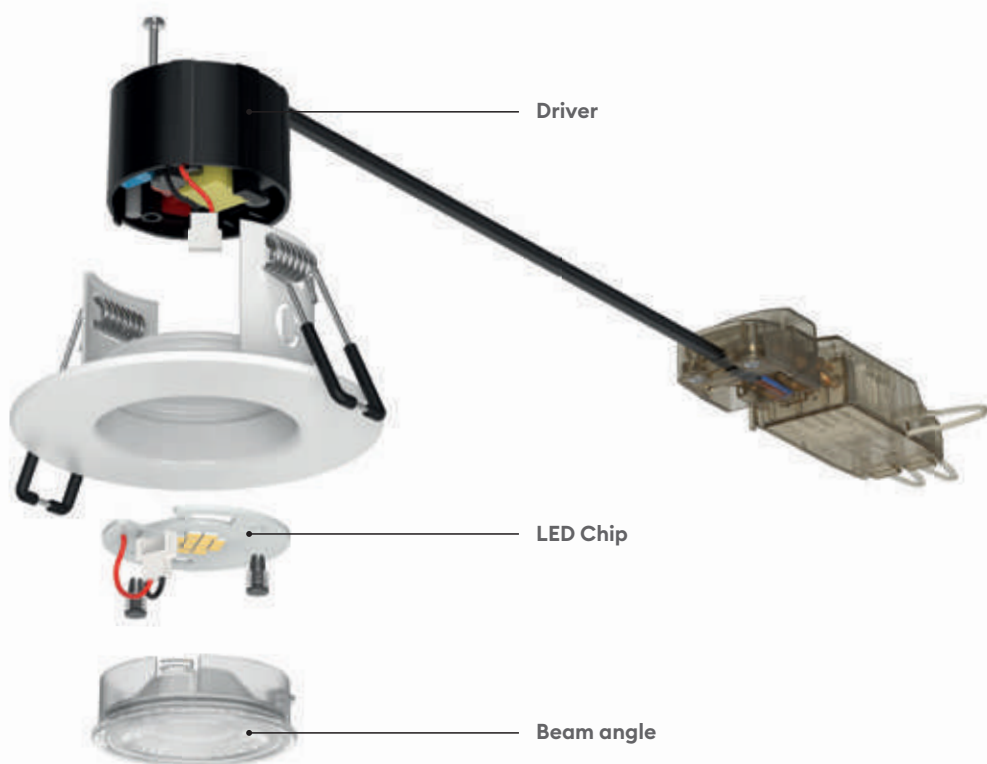
#### Upgradeable, Re-useable, lights that lasts

With approximately 5 million units supplied to a wide range of customers, H2 Lite , H4 Lite and H2 Pro Extreme have a proven history of excellent performance, fast installation, and lifetime you can trust.

Our next generation design builds on this further to offer the below new feature and benefits:

- Optimised design with no waste, minimizing the use of materials and impact on the planet.
- FSC certificated packaging ensure minimal waste.
- NEW unique interchangeable design which allows the driver to easily be replaced should it fail.

Backed by an industry leading warranties and should you have an issue, replacement drivers are stocked in the UK for quick after sales support.





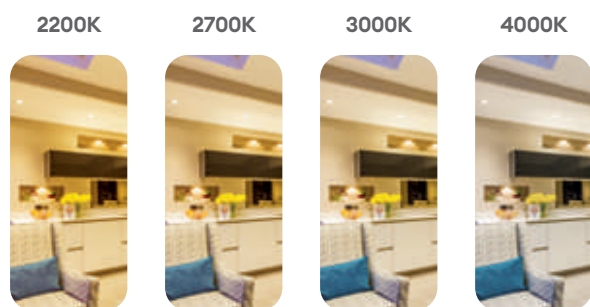
## Colour Switchable Product

### One light, three or four colour temperatures

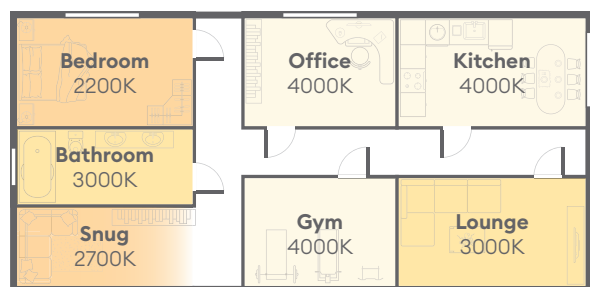
Always have the correct product on hand. Our range of colour switchable downlights are available to stock in 3 or 4 colour temperatures in 1 product (2200K, 2700K, 3000K & 4000K).

#### Advantages

- Simpler product range.
- Products can be adjusted after they are installed.



Use the CCT switch to choose the ideal colour for your installation.

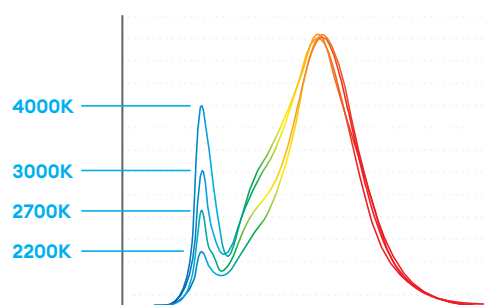


## Warmer light

### 2200K **Ember** light

Minimising the blue light content of outdoor lighting is key to improving the survival and growth rates of nocturnal animals.

That's why Collingwood is introducing outdoor lighting with 2200K. The amount of blue light in 2200K is significantly less than 4000K or even 3000K.



## Insulation coverable

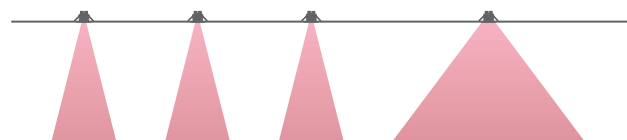
### Install the product directly under insulation

Many of our downlights are insulation coverable, suitable for both rolled and blown installation.



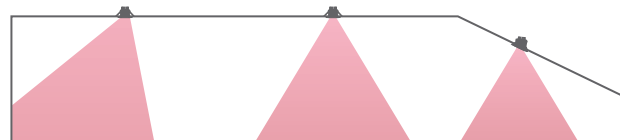
## Beam angles

Products with a wide beam angle cover a wider area with fewer lights, reducing time and cost spent on fittings. Alternatively, products with a narrow beam angle have a great light intensity and are perfect for smaller spaces.



## Adjustable fittings

Collingwood's adjustable range provides a versatility that is perfect for vaulted ceilings, standard ceilings and for highlighting features and artwork on walls.



# I-Joist and Metal web approved

## Built for Residential installations

Our downlights have undergone vigorous testing to ensure they are perfect for use with I-Joists, metal web and solid timber ceiling types.

### Vigorously tested to ensure fit-for-purpose products

Collingwood were the first company to produce a fit-for-purpose, high performance, fire-rated downlight that enabled compliance to Part B of the building regulations. In the period since, we have supplied millions of downlights worldwide.

### What is a timber I-Joist?

These are purposely engineered to be light and strong, whilst removing the imperfections which can come from natural timbers. The name comes from the shape. There is a top and bottom flange element with the web in between. Their common application is within residential floors, roofs and are becoming increasingly popular with their benefits over solid timber joists. Such benefits include the ease of handling due to their light weight, less prone to warping and ease of drilling to install services such as pipes and cables.



### What is a metal web joist

A metal web joist is a combination of timber chords and pressed metal webs, which form an open web joist. The open web allows for installations of services like pipes and cables to pass through the metal webs without the need for cutting holes within the joist. The open web structure means they are lighter to handle than solid timber joists, and allows for greater load bearing areas with the open web design, making it simple to install pipes cables etc.

## Cut-out size guide

### For your downlights

Use the guide below to determine the recommended cut-out size for each Collingwood downlight. For retro-fitting varied sizes, view our converter plate range on **page 50**.

60 - 72mm	64 - 72mm	65- 75mm	68 - 72mm	69 - 72mm	70 - 72mm	72 - 75mm
H5 Trimless	H2 Lite	H2 Pro Extreme	H2 Lite CSP	H4 Pro	H4 Lite CSP	H2 Deco
	H2 Pro		H2 Sense	H4 Pro 550		
	H2 Pro 550		H4 Lite			

# Fire test overview

## Built for Residential installations

We have worked, together with independent fire test facilities, to test and approve our most popular fire-rated downlights for use with solid timber, I-Joists and metal web joists, complementing our suite of ceiling approvals.

Use the table below for which product is approved for which ceiling system

	Solid Timber			I-Joist - 30mins		Metal Web - 30mins		
Product	30mins	60mins	90mins	James Jones	Staircraft	Wolf systems	ITW	Mitek
H2 Deco	●	●	●	●	●	●	●	●
H2 Lite	●	●	●	●	●	●	●	●
H2 Lite CSP	●	●	●	●	●	●	●	●
H2 Pro	●	●	●	●	●	●	-	-
H2 Pro 550	●	●	●	●	●	●	●	●
H2 Sense	●	●	●	●	●	●	●	●
H2 Pro Extreme	-	-	-	-	-	-	-	-
H4 Lite	●	●	●	●	●	●	●	●
H4 Lite CSP	●	●	●	●	●	●	●	●
H4 Pro	●	●	●	●	●	●		
H4 Pro 550	●	●	●	●	●	●	●	●
H5 Trimless	●	●	●	-	●	-	-	-

## Residential Downlights



Quick and easy installation with easy-fit connector



High efficacy of 108lm/W



Insulation coverable

### Guarantee

7 years

### Features & benefits

Only 6W

Mains dimmable

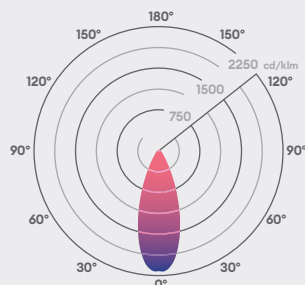
Plaster-in downlight

Recessed fitting for lower glare rating

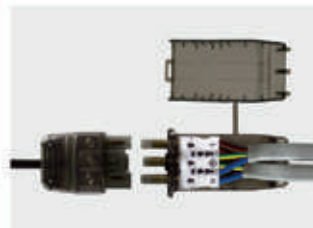
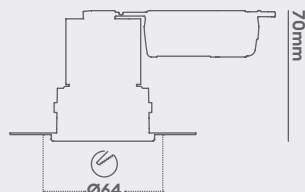
Flexible driver position for easy installation

When using a converter plate, the IP rating is not affected; however, the product is no longer fire-rated.

Beam angle: 38°



Ø114/172mm



## H5 Trimless

Plaster-in, trimless, dimmable, fire-rated downlight

### Features

IP rating	IP65
CSP switchable	Single CCT
Tilttable	No
UGR	14
Dimmable option	Yes
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3
Emergency option	No

### Installation information

Install connector type	Easy-fit connector
Insulation coverable	Rolled and blown insulation
Cut out size (mm)	60-72
Bathroom zone	1
Inrush current	0.9A 0.05ms
Construction material	Mild steel / VO rated plastic
Maximum ceiling thickness	40 mm
Weight	240g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid Timber 30/60/90min, I-Joist 30min
Electric class (1, 2, 3)	2

### Photometrics @ 25°C

Product code	Finish	W	CCT	△°	lm	lm/W	Energy
DL282WHNWDIM	Matt white	6W	4000K	38°	650	108	
DL282WHWWDIM	Matt white	6W	3000K	38°	600	100	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	0.15m (Class II, complete with Easy-Fit connector)
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

### Accessories

DM298FP	Faceplate dimmer	Sold Separately	51
DM298GRID	Grid dimmer	Sold Separately	51



## H2 Deco CSP White

Wattage & CCT Switchable Architectural Downlight

### Features

IP rating	IP65 (from below) IP20 (from above)
CSP switchable	Switchable CCT
Tilttable	No
UGR	19
Dimmable option	Yes (Mains)
Input	220-240V AC
LED lifetime	L70 B10 44,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3
Emergency option	Yes, using converter

### Installation information

Install connector type	Loop in / Loop out
Insulation coverable	Rolled and blown insulation
Cut out size (mm)	72-75
Bathroom zone	1
Inrush current	5A 150us
Construction material	Mild steel / PC
Maximum ceiling thickness	40 mm
Weight	300g
Maximum ambient temperature	-10°C - 40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid Timber 30/60/90min, I-Joist 30min, Metal Web 30min
Electric class (1, 2, 3)	2

### Photometrics @ 25°C

Product code	Feature	Finish	W	CCT	Beam angle	lm	lm/W	Energy
H2D1WHIWHI	Switchable wattage & switchable CCT	White Bezel	6.5W	2200K	40°	550	85	
				2700K	40°	600	92	
				3000K	40°	650	100	
				4000K	40°	700	108	
			10W	2200K	40°	750	75	
				2700K	40°	900	90	
				3000K	40°	950	95	
				4000K	40°	1000	100	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	0.75mm <sup>2</sup> - 2.5mm <sup>2</sup> 3 core cable for connector
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel

### Accessories

DM298GRID	LED mains grid dimmer	Sold Separately	51
DM298FP	Faceplate dimmer	Sold Separately	51
LEDEP10EM	Manual-test emergency converter	Sold Separately	50
LEDEP10	Self-test emergency converter	Sold Separately	

## Residential Downlights



Designed for living spaces to suit architectural decor



True low glare UGR19 as opposed to perceived low glare



Wattage Switch enables range from 500 up to 900 lumens

### Guarantee

5 years

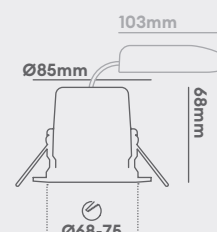
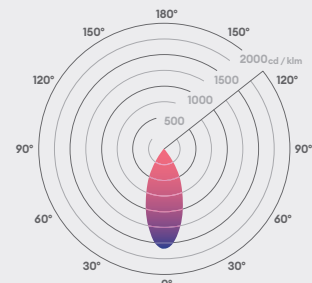
### Features & benefits

CCT Switchable Product enables colour temperature choice between 2200K-2700K-3000K-4000K

Select 2700K to highlight warm tones in wood, red brick or sandstone

Select 2200K 'Ember Light' to minimise blue light and create a cosy fireplace environment

### Beam angle: 40°



## Residential Downlights



Designed for living spaces to suit architectural decor



True low glare  
UGR19 as opposed to perceived low glare



Wattage Switch enables range from 500 up to 900 lumens

### Guarantee

5 years

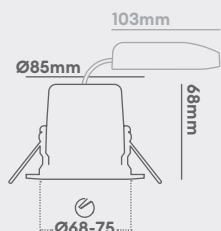
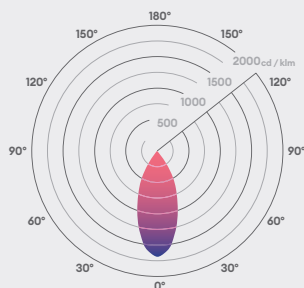
### Features & benefits

CCT Switchable Product enables colour temperature choice between 2200K-2700K-3000K-4000K

Select 2700K to highlight warm tones in wood, red brick or sandstone

Select 2200K 'Ember Light' to minimise blue light and create a cosy fireplace environment

Beam angle: 40°



## H2 Deco CSP Black & white

Wattage & CCT Switchable Architectural Downlight

### Features

IP rating	IP65 (from below) IP20 (from above)
CSP switchable	Switchable CCT
Tilttable	No
UGR	19
Dimmable option	Yes (Mains)
Input	220-240V AC
LED lifetime	L70 B10 44,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3
Emergency option	Yes, using converter

### Installation information

Install connector type	Loop in / Loop out
Insulation coverable	Rolled and blown insulation
Cut out size (mm)	72-75
Bathroom zone	1
Inrush current	5A 150us
Construction material	Mild steel / PC
Maximum ceiling thickness	40 mm
Weight	300g
Maximum ambient temperature	-10°C - 40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid Timber 30/60/90min, I-Joist 30min, Metal Web 30min
Electric class (1, 2, 3)	2

### Photometrics @ 25°C

Product code	Feature	Finish	W	CCT	Beam angle	lm	lm/W	Energy
H2D1BLKWHI	Switchable wattage & switchable CCT	White Bezel	6.5W	2200K	40°	500	77	
				2700K	40°	550	85	
				3000K	40°	600	92	
				4000K	40°	650	100	
			10W	2200K	40°	650	65	
				2700K	40°	750	75	
				3000K	40°	850	85	
				4000K	40°	900	90	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	0.75mm <sup>2</sup> - 2.5mm <sup>2</sup> 3 core cable for connector
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel

### Accessories

DM298GRID	LED mains grid dimmer	Sold Separately	51
DM298FP	Faceplate dimmer	Sold Separately	51
LEDEP10EM	Manual-test emergency converter	Sold Separately	50
LEDEP10	Self-test emergency converter	Sold Separately	





## H2 Deco CSP Black

Wattage & CCT Switchable Architectural Downlight

### Features

IP rating	IP65 (from below) IP20 (from above)
CSP switchable	Switchable CCT
Tilttable	No
UGR	16
Dimmable option	Yes (Mains)
Input	220-240V AC
LED lifetime	L70 B10 44,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3
Emergency option	Yes, using converter

### Installation information

Install connector type	Loop in / Loop out
Insulation coverable	Rolled and blown insulation
Cut out size (mm)	72-75
Bathroom zone	1
Inrush current	5A 150us
Construction material	Mild steel / PC
Maximum ceiling thickness	40 mm
Weight	300g
Maximum ambient temperature	-10°C - 40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid Timber 30/60/90min, I-Joist 30min, Metal Web 30min
Electric class (1, 2, 3)	2

### Photometrics @ 25°C

Product code	Feature	Finish	W	CCT	Beam angle	lm	lm/W	Energy
H2D1BLKBLK	Switchable wattage & switchable CCT	Black Bezel	6.5W	2200K	40°	500	77	
				2700K	40°	550	85	
				3000K	40°	600	92	
				4000K	40°	650	100	
			10W	2200K	40°	650	65	
				2700K	40°	750	75	
				3000K	40°	850	85	
				4000K	40°	900	90	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	0.75mm <sup>2</sup> - 2.5mm <sup>2</sup> 3 core cable for connector
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel

### Accessories

DM298GRID	LED mains grid dimmer	Sold Separately	51
DM298FP	Faceplate dimmer	Sold Separately	51
LEDEPI0EM	Manual-test emergency converter	Sold Separately	50
LEDEPI0	Self-test emergency converter	Sold Separately	

## Residential Downlights



Designed for living spaces to suit architectural decor



True low glare UGR19 as opposed to perceived low glare



Wattage Switch enables range from 500 up to 900 lumens

### Guarantee

5 years

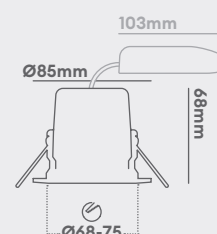
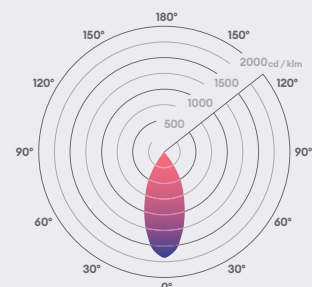
### Features & benefits

CCT Switchable Product enables colour temperature choice between 2200K-2700K-3000K-4000K

Select 2700K to highlight warm tones in wood, red brick or sandstone

Select 2200K 'Ember Light' to minimise blue light and create a cosy fireplace environment

Beam angle: 40°



## Residential Downlights

**IP65** from above and below for total protection

Suitable for use in coastal applications

New 2200K to minimise effects of blue light

### Guarantee

4 years

### Features & benefits

Use 2700K to illuminate materials such as wooden fences, sand or red brick to highlight warm tones

Select 2200K to minimise the effects blue light content has on nocturnal animals to help survival and growth rates

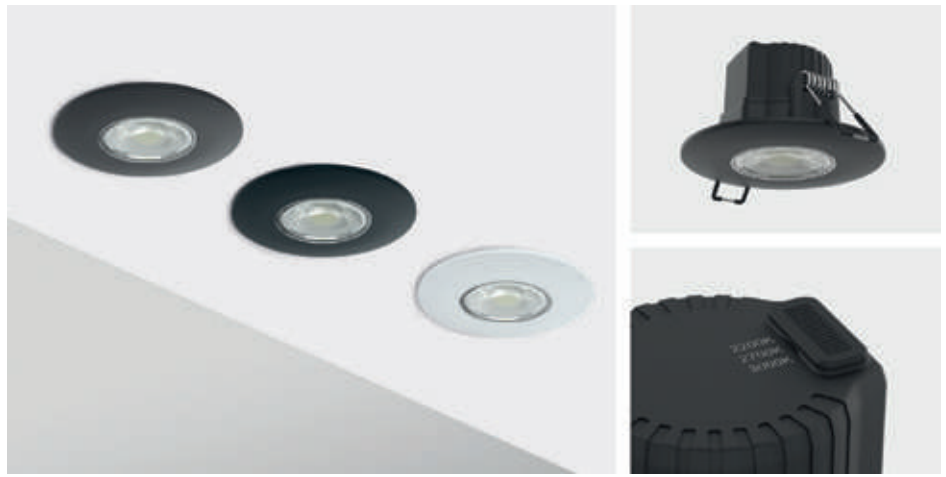
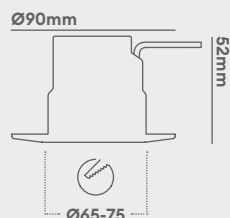
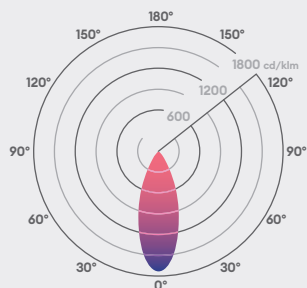
Collingwood Switchable Product

TRIAC mains dimmable suitable for leading and trailing edge dimmers

Integrated corrosion protected bezel

Pair with dusk to dawn sensor PCELL kit to bring on when dark and off when light

Beam angle: 40°



## H2 Pro Extreme CSP

IP65 (above+below) downlight suitable for installing outdoor in building soffits and canopies

### Features

IP rating	IP65 (from below and above)
CSP switchable	Switchable CCT
Tiltable	No
UGR	22
Dimmable option	Yes (Mains)
Input	220-240V AC
LED lifetime	L70 40,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM4
Emergency option	No

### Installation information

Install connector type	Flying lead
Insulation coverable	No
Cut out size (mm)	65-75
Bathroom zone	1 (ceiling only)
Inrush current	2.3A 0.06ms
Construction material	Aluminium / Plastic
Maximum ceiling thickness	30 mm
Weight	148g
Maximum ambient temperature	-20°C - 40°C
SELV	Yes
Building regulations	Part C, P & L
Ceiling joist approvals	No
Electric class (1, 2, 3)	2

### Photometrics @ 25°C

Product code	Feature	Finish	W	CCT	∠°	lm	lm/W	Energy
H2EXT1A	Switchable CCT	Anthracite grey RAL7016	5W	2200K	40°	480	96	
				2700K	40°	570	114	
				3000K	40°	560	112	
H2EXT1B	Switchable CCT	Black	5W	2200K	40°	480	96	
				2700K	40°	570	114	
				3000K	40°	560	112	
H2EXT1W	Switchable CCT	White	5W	2200K	40°	480	96	
				2700K	40°	570	114	
				3000K	40°	560	112	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	0.37m H03VVH2-F 2x0.75mm <sup>2</sup>
Cable required for connector	N/A
Type of wiring required	Parallel

### Accessories

DM298GRID	Grid Dimmer	Sold Separately	51
DM298FP	Flatplate Dimmer	Sold Separately	51
PCELLKIT	Wall Mounted Photocell Kit	Sold Separately	50



## H2 Sense

Fire-rated downlight within integral PIR and switched live out functionality

### Features

IP rating	IP65 (from below) IP20 (from above)
CSP switchable	Switchable CCT
Tiltable	No
UGR	28
Dimmable option	No
Input	220-240V AC
LED lifetime	L70 B10 44,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3
Emergency option	Yes, using LEDEP14 / LEDEP15 (sold separately)

### Installation information

Install connector type	Integrated terminals, loop-in/loop-out
Insulation coverable	Rolled and blown insulation
Cut out size (mm)	68-72
Bathroom zone	1
Inrush current	<5A 0.15ms
Construction material	Steel and Polycarbonate
Maximum ceiling thickness	40 mm
Weight	0.22kg
Maximum ambient temperature	-10°C - 40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid Timber 30/60/90min, I-Joist 30min, Metal Web 30min
Electric class (1, 2, 3)	2

### Photometrics @ 25°C

Product code	Feature	Finish	W	CCT	Beam angle	lm	lm/W	Energy
DLSENSE	Switchable CCT	Bezel sold separately	6W	2700K	50°	600	100	
				3000K	50°	650	108	
				4000K	50°	675	113	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	0.75mm² - 2.5mm² 3 core cable for connector
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

### Accessories

DLSEN_BEZP	H2 Sense Bezel with PIR (Replace _ with W for White, B for Black & S for Brushed Steel)	Sold Separately	57
DLSEN_BEZ	H2 Sense Bezel without PIR (Replace _ with W for White, B for Black & S for Brushed Steel)	Sold Separately	57
LEDEP14	H2 Sense Stand Alone EM Converter 2.5w	Sold Separately	
LEDEP15	H2 Sense Primary Switching EM Converter 2.5w	Sold Separately	

## Residential Downlights



Colour switchable between 2700K, 3000K and 4000K



PIR light for switching lights OFF that keep getting left ON



High efficacy up to 113lm/W

### Guarantee

5 years

### Features & benefits

Hold time - adjust from 30secs up to 15 minutes

Sensitivity - Adjust from close range of 10cm up to 2 metres away

Lux Level - Adjust to keep the light OFF when there is enough natural daylight

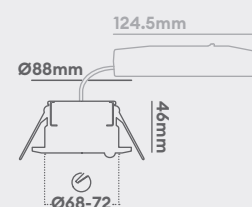
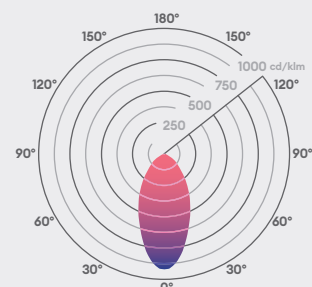
Switched live out to other lights up to 200W (max 30 H2 Sense)

Fire-rated Downlight

Emergency options available with LEDEP14 or LEDEP15

Bezel sold separately

Beam angle: 50°



## Residential Downlights



Colour switchable between 2700K, 3000K and 4000K



High efficacy of 130lm/W



Insulation coverable

### Guarantee

7 years

### Features & benefits

Wattage switchable between 5W and 7W

Compatible with Collingwood smart system

Quick and easy installation with easy-fit connector

Integrated emergency option available

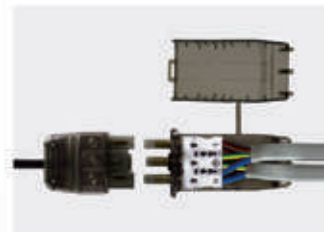
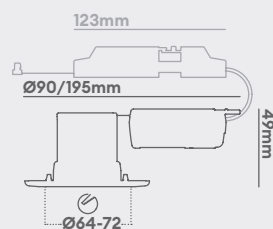
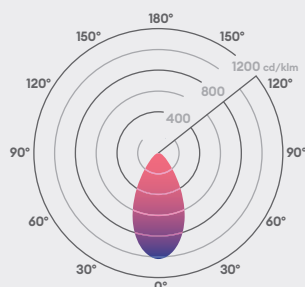
Compatible with twist and lock bezels

2 part, push fit, loop in/ loop out connector

Mains dimmable

When using a converter plate, the IP rating is not affected; however, the product is no longer fire-rated.

Beam angle: 55°



## H2 Pro

70,000hrs long lifetime fire-rated downlight with detachable driver for easy repair/upgrade

### Features

IP rating	IP65
CSP switchable	Switchable CCT
Tilttable	No
UGR	28
Dimmable option	Yes
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3
Emergency option	Yes, Manual-Test

### Installation information

Install connector type	Easy-fit connector
Insulation coverable	Rolled and blown insulation
Cut out size (mm)	64-72
Bathroom zone	1
Inrush current	1A 7.5ms
Construction material	Mild steel / V0 rated plastic
Maximum ceiling thickness	40 mm
Weight	270g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid Timber 30/60/90min, I-Joist 30min, Metal Web 30min
Electric class (1, 2, 3)	2

### Photometrics @ 25°C

Product code	Feature	Finish	W	CCT	Beam angle	lm	lm/W	Energy
DLE5245500	Switchable wattage & switchable CCT	Bezel sold separately	5W	2700K	55°	550	110	
				3000K	55°	650	130	
				4000K	55°	650	130	
			7W	2700K	55°	750	107	
				3000K	55°	850	121	
				4000K	55°	850	121	

To order an emergency version add "EM" to the end of the product code.

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel

### Accessories

H2 Bezels	Twist and lock bezels	Sold Separately	49
DLCONVERT70	Downlight Converter Plate	Sold Separately	50
DLCVT110	Downlight Converter Plate	Sold Separately	50
DM298FP	Faceplate Dimmer	Sold Separately	51
DM298GRID	Grid Dimmer	Sold Separately	51



## H4 Pro

70,000hrs long lifetime fire-rated downlight with detachable driver for easy repair/upgrade

### Features

IP rating	IP65
CSP switchable	Switchable CCT
Tilttable	20°
UGR	28
Dimmable option	Yes
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3
Emergency option	Yes

### Installation information

Install connector type	Easy-fit connector
Insulation coverable	Rolled and blown insulation
Cut out size (mm)	69-72
Bathroom zone	1
Inrush current	1A 7.5ms
Construction material	Mild steel / V0 rated plastic
Maximum ceiling thickness	40 mm
Weight	270g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid Timber 30/60/90min, I-Joist 30min, Metal Web 30min
Electric class (1, 2, 3)	2

### Photometrics @ 25°C

Product code	Feature	Finish	W	CCT	Beam angle	lm	lm/W	Energy
DLE5295500	Switchable wattage & switchable CCT	Bezel sold separately	5W	2700K	55°	550	110	
				3000K	55°	650	130	
				4000K	55°	650	130	
			7W	2700K	55°	750	107	
				3000K	55°	850	121	
				4000K	55°	850	121	

To order an emergency version add "EM" to the end of the product code. Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel

### Accessories

H4 Bezels	Twist & lock system makes changing bezels quick, clean and easy	Sold Separately	49
DLCONVERT70	Downlight Converter Plate	Sold Separately	50
DLCVT110	Downlight Converter Plate	Sold Separately	50
DM298FP	Faceplate Dimmer	Sold Separately	51
DM298GRID	Grid Dimmer	Sold Separately	51

## Residential Downlights

Colour switchable between 2700K, 3000K and 4000K

Wattage switchable between 5W or 7W

Insulation coverable

### Guarantee

7 years

### Features & benefits

±20° adjustable downlight

Compatible with twist and lock bezels

High efficacy of 130lm/W

Compatible with Collingwood smart system

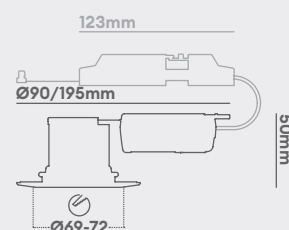
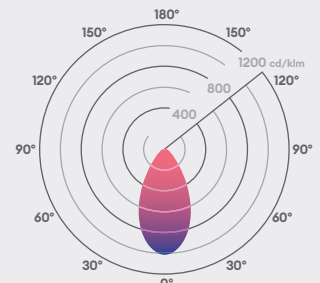
Emergency option available

2 part, push fit, loop in/ loop out connector

Flexible driver position for lower profile

When using a converter plate, the IP rating is not affected; however, the product is no longer fire-rated.

Beam angle: 55°











## H2 Pro 550

Dimmable, fire-rated downlight with Easy-fit connector

### Features

IP rating	IP65
CSP switchable	Single CCT
Tilttable	No
UGR	16
Dimmable option	Yes
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3
Emergency option	Yes

### Installation information

Install connector type	Easy-fit connector
Insulation coverable	Rolled and blown insulation
Cut out size (mm)	64-72
Bathroom zone	1
Inrush current	1.4A / 0.1ms
Construction material	Mild steel / V0 rated plastic
Maximum ceiling thickness	40 mm
Weight	186g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid Timber 30/60/90min, I-Joist 30min, Metal Web 30min
Electric class (1, 2, 3)	2

### Photometrics @ 25°C

Product code	Finish	W	CCT	Beam angle	Im	Im/W	Energy
DLE4723830	Bezel sold separately	5.2W	3000K	38°	550	106	
DLE4723840	Bezel sold separately	5.2W	4000K	38°	580	112	
DLE4727030	Bezel sold separately	5.2W	3000K	70°	550	106	
DLE4727040	Bezel sold separately	5.2W	4000K	70°	580	112	

To order an emergency version add "EM", DALI version add "D" to the end of the product code.  
Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel

### Accessories

H2 Bezels	Round and square bezel options	Sold Separately	49
DLCVT110	Converter plate	Sold Separately	50
DLCONVERT70	Converter plate	Sold Separately	50
DM298FP	Faceplate dimmer	Sold Separately	51
DM298GRID	Grid dimmer	Sold Separately	51
LEDEP10	Emergency converter	Sold Separately	

## Residential Downlights



Quick and easy installation with easy-fit connector



High efficacy of 112lm/W



Insulation coverable

### Guarantee

7 years

### Features & benefits

Flexible driver with adapted flexible neck

I Joist and Metal Web Approved

Compatible with Collingwood smart system

Compatible with twist and lock bezels

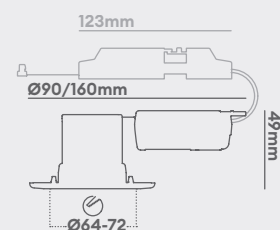
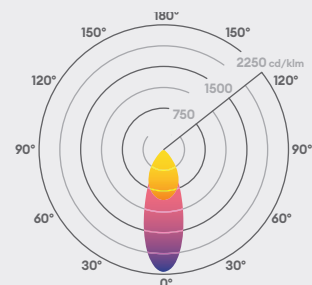
Tri-LED configuration

2 part, push fit, loop in/ loop out connector

Fixed position downlight

When using a converter plate, the IP rating is not affected; however, the product is no longer fire-rated.

Beam angle: 38° 70°







## H4 Pro 550

Dimmable, fire-rated LED downlight and Easy-fit connector

### Features

IP rating	IP65
CSP switchable	Single CCT
Tilttable	20°
UGR	16
Dimmable option	Yes
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3
Emergency option	Yes

### Installation information

Install connector type	Easy-fit connector
Insulation coverable	Rolled and blown insulation
Cut out size (mm)	69-72
Bathroom zone	1
Inrush current	1.4A / 0.1ms
Construction material	Mild steel / V0 rated plastic
Maximum ceiling thickness	40 mm
Weight	246g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid Timber 30/60/90min, I-Joist 30min, Metal Web 30min
Electric class (1, 2, 3)	2

### Photometrics @ 25°C

Product code	Finish	W	CCT	△°	lm	lm/W	Energy
DLE4353830	Bezel sold separately	5.2W	3000K	38°	550	106	
DLE4353840	Bezel sold separately	5.2W	4000K	38°	580	112	
DLE4357030	Bezel sold separately	5.2W	3000K	70°	550	106	
DLE4357040	Bezel sold separately	5.2W	4000K	70°	580	112	

To order an emergency version add "EM", DALI version add "D" to the end of the product code.

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel

### Accessories

H4 Bezels	Round bezel options	Sold Separately	49
DLCVT110	Converter plate	Sold Separately	50
DLCONVERT70	Converter plate	Sold Separately	50
DM298FP	Faceplate dimmer	Sold Separately	51
DM298GRID	Grid dimmer	Sold Separately	51

## Residential Downlights



Quick and easy installation with easy-fit connector



High efficacy of 112lm/W



Insulation coverable

### Guarantee

7 years

### Features & benefits

Only 5.2W

Slimline twist & lock bezels (sold separately)

Shallow depth of 49mm

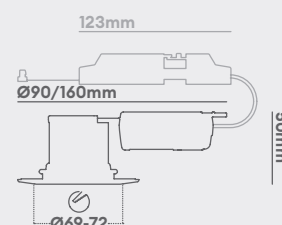
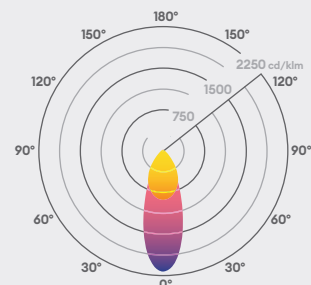
Easy-Fit included

Flexible driver position for easy installation

Has a built-in insulated protector

When using a converter plate, the IP rating is not affected; however, the product is no longer fire-rated.

Beam angle: 38° 70°



## Residential Downlights



**Patented Easy-fit connector for first & second fix**



**Shallow depth 46mm**



**Insulation coverable**

### Guarantee

10 years

### Features & benefits

With approximately 5 million units supplied to a wide range of customers, H2 Lite has a proven history of excellent performance, fast installation and lifetime you can trust

Unique product design with a new shallow depth to enable use in the smallest of ceiling voids

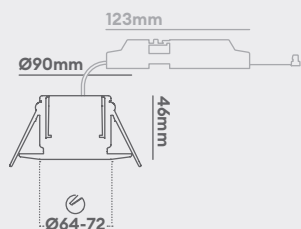
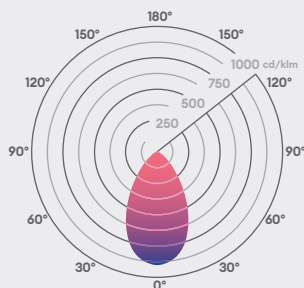
TRIAC mains dimmable, works with leading & trailing edge dimmers

Optimised design with no waste, minimizing the use of materials and impact on the planet

FSC certificated packaging ensure minimal waste

When using a converter plate, the IP rating is not affected; however, the product is no longer fire-rated.

Beam angle: 55°



## H2 Lite

TRIAC Dimmable, fire-rated downlight with integrated bezel & Easy-fit connector

### Features

IP rating	IP65 (from below) IP20 (from above)
CSP switchable	Single CCT
Tilttable	No
UGR	22
Dimmable option	Yes (Mains)
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM4
Emergency option	No

### Installation information

Install connector type	Easy-fit connector
Insulation coverable	Rolled and blown insulation
Cut out size (mm)	64-72
Bathroom zone	1
Inrush current	1.3A 0.23ms
Construction material	Mild steel / VO rated plastic
Maximum ceiling thickness	40 mm
Weight	180g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid Timber 30/60/90min, I-Joist 30min, Metal Web 30min
Electric class (1, 2, 3)	2

### Photometrics @ 25°C

Product code	Feature	Finish	W	CCT	Beam angle	Im	lm/W	Energy
DLT388BLK5530	Single unit	Matt black	4.3W	3000K	55°	460	107	D
DLT388BLK5540	Single unit	Matt black	4.3W	4000K	55°	490	114	D
DLT388BS5530	Single unit	Brushed steel	4.3W	3000K	55°	460	107	D
DLT388BS5540	Single unit	Brushed steel	4.3W	4000K	55°	490	114	D
DLT388MW5530	Single unit	Matt white	4.3W	3000K	55°	460	107	D
DLT388MW5540	Single unit	Matt white	4.3W	4000K	55°	490	114	D
DLT388MW5530A8	Multipack x 8	Matt white	4.3W	3000K	55°	460	107	D

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

### Accessories

DLCONVERT70	Converter plate	Sold Separately	50
DM298GRID	LED mains grid dimmer	Sold Separately	51
DM298FP	Faceplate dimmer	Sold Separately	51
DLCVTI10	Converter Plate	Sold Separately	50





# H4 Lite

TRIAC Dimmable, adjustable fire-rated downlight with integrated bezel & Easy-fit connector

## Features

IP rating	IP65 (from below) IP20 (from above)
CSP switchable	Single CCT
Tilttable	20°
UGR	22
Dimmable option	Yes (Mains)
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM4
Emergency option	No

## Installation information

Install connector type	Easy-fit connector
Insulation coverable	Rolled and blown insulation
Cut out size (mm)	68-72
Bathroom zone	1
Inrush current	1.3A 0.23ms
Construction material	Mild steel / VO rated plastic
Maximum ceiling thickness	40 mm
Weight	215g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid Timber 30/60/90min, I-Joist 30min, Metal Web 30min
Electric class (1, 2, 3)	2

## Photometrics @ 25°C

Product code	Finish	W	CCT	△°	lm	lm/W	Energy
DL490BLK5530	Matt black	4.3W	3000K	55°	460	107	
DL490BLK5540	Matt black	4.3W	4000K	55°	490	114	
DL490BS5530	Brushed steel	4.3W	3000K	55°	460	107	
DL490BS5540	Brushed steel	4.3W	4000K	55°	490	114	
DL490MW5530	Matt white	4.3W	3000K	55°	460	107	
DL490MW5540	Matt white	4.3W	4000K	55°	490	114	

Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

## Accessories

DLCONVERT70	Converter Plate Range	Sold Separately	50
DM298GRID	Grid Dimmer	Sold Separately	51
DM298FP	Flatplate Dimmer	Sold Separately	51
DLCVT110	Converter Plate	Sold Separately	50

## Residential Downlights



Patented Easy-fit connector for first & second fix



Adjustable with a 20° tilt



Insulation coverable

## Guarantee

10 years

## Features & benefits

With approximately 5 million units supplied to a wide range of customers, H2 Lite has a proven history of excellent performance, fast installation and lifetime you can trust

Unique product design with a new shallow depth to enable use in the smallest of ceiling voids

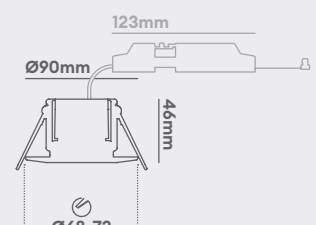
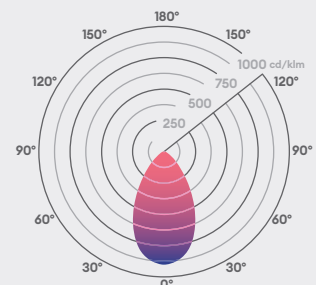
TRIAC mains dimmable, works with leading & trailing edge dimmers

Optimised design with no waste, minimizing the use of materials and impact on the planet

FSC certificated packaging ensure minimal waste

When using a converter plate, the IP rating is not affected; however, the product is no longer fire-rated.

Beam angle: 55°



## Residential Downlights



Colour switchable between 2700K, 3000K and 4000K



Wattage switchable between 4.2W & 6W



Switches allow you to choose options at installation

### Guarantee

7 years

### Features & benefits

High efficacy of 124lm/W

2-part connector provides first fix wiring whilst the luminaire is detached from the connector, loop in loop out, quick maintenance should disconnection/reconnection be required

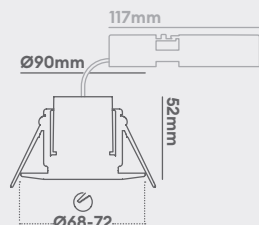
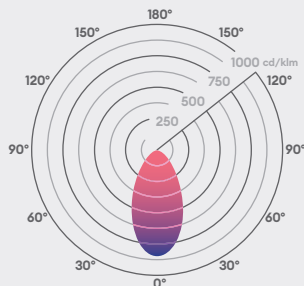
Compatible with Click Flow CT100 series

TRIAC Mains dimmable

Fixed with 55 degree beam angle

Compatible with H2 Twist and lock bezels

Beam angle: 55°



## H2 Lite CSP 8 Pack White

Colour & Wattage Switchable using switches under bezel

### Features

IP rating	IP65 (from below) IP20 (from above)
CSP switchable	Switchable CCT
Tilttable	No
UGR	25
Dimmable option	Yes (Mains)
Input	220-240V AC
LED lifetime	L70 40,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM4
Emergency option	No

### Installation information

Install connector type	2 part first fit connector
Insulation coverable	Rolled and blown insulation
Cut out size (mm)	68-72
Bathroom zone	1
Inrush current	1.8A 0.3ms
Construction material	Mild steel / V0 rated plastic
Maximum ceiling thickness	40 mm
Weight	1880g
Maximum ambient temperature	40°C
SELV	No
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid Timber 30/60/90min, I-Joist 30min, Metal Web 30min
Electric class (1, 2, 3)	2

### Photometrics @ 25°C

Product code	Feature	Finish	W	CCT	Beam angle	lm	lm/W	Energy
DLT551500A8	Multipack x 8	White bezel included	4.2W	2700K	55°	450	107	
				3000K	55°	520	124	
				4000K	55°	500	119	
			6W	2700K	55°	625	104	
				3000K	55°	720	120	
				4000K	55°	700	117	

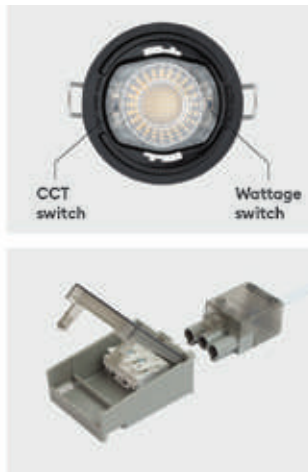
Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	0.75mm <sup>2</sup> - 2.5mm <sup>2</sup> 3 core cable for connector
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel

### Accessories

H2 Bezels	Twist and lock bezels	Sold Separately	49
DLCVT110	Concealer ring for larger cut outs	Sold Separately	50
DM298FP	Faceplate dimmer	Sold Separately	51
DM298GRID	Grid dimmer	Sold Separately	51



## H2 Lite CSP White

Colour & Wattage Switchable using switches under bezel

### Features

IP rating	IP65 (from below) IP20 (from above)
CSP switchable	Switchable CCT
Tilttable	No
UGR	25
Dimmable option	Yes (Mains)
Input	220-240V AC
LED lifetime	L70 40,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM4
Emergency option	No

### Installation information

Install connector type	2 part first fit connector
Insulation coverable	Rolled and blown insulation
Cut out size (mm)	68-72
Bathroom zone	1
Inrush current	1.8A 0.3ms
Construction material	Mild steel / V0 rated plastic
Maximum ceiling thickness	40 mm
Weight	235g
Maximum ambient temperature	40°C
SELV	No
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid Timber 30/60/90min, I-Joist 30min, Metal Web 30min
Electric class (1, 2, 3)	2

### Photometrics @ 25°C

Product code	Feature	Finish	W	CCT	Beam angle	lm	lm/W	Energy
DLT551500A	Single unit	White bezel included	4.2W	2700K	55°	450	107	
				3000K	55°	520	124	
				4000K	55°	500	119	
			6W	2700K	55°	625	104	
				3000K	55°	720	120	
				4000K	55°	700	117	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	0.75mm <sup>2</sup> - 2.5mm <sup>2</sup> 3 core cable for connector
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel

### Accessories

H2 Bezels	Twist and lock bezels	Sold Separately	49
DLCVT110	Concealer ring for larger cut outs	Sold Separately	50
DM298FP	Faceplate dimmer	Sold Separately	51
DM298GRID	Grid dimmer	Sold Separately	51

## Residential Downlights



Colour switchable between 2700K, 3000K and 4000K



Wattage switchable between 4.2W & 6W



Switches allow you to choose options at installation

### Guarantee

7 years

### Features & benefits

High efficacy of 124lm/W

2-part connector provides first fix wiring whilst the luminaire is detached from the connector, loop in loop out, quick maintenance should disconnection/reconnection be required

Compatible with Click Flow CT100 series

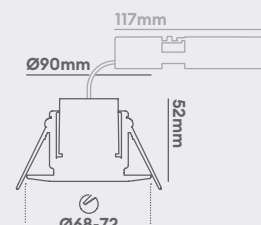
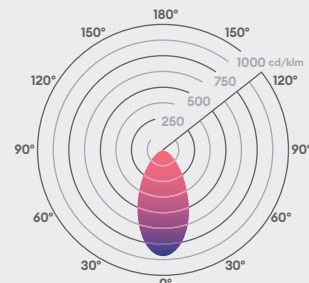
TRIAC Mains dimmable

Fixed with 55 degree beam angle

Compatible with H2 Twist and lock bezels

When using a converter plate, the IP rating is not affected; however, the product is no longer fire-rated.

Beam angle: 55°









## H4 Lite CSP White

Colour & Wattage Switchable using switches on bottom of product

### Features

IP rating	IP65 (from below) IP20 (from above)
CSP switchable	Switchable CCT
Tilttable	30°
UGR	25
Dimmable option	Yes (TRIAC)
Input	220-240V AC
LED lifetime	L70 60,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM4
Emergency option	No

### Installation information

Install connector type	2 part first fit connector
Insulation coverable	Rolled and blown insulation
Cut out size (mm)	70mm - 72mm
Bathroom zone	1
Inrush current	N/A
Construction material	Mild steel / V0 rated plastic
Maximum ceiling thickness	40 mm
Weight	235g
Maximum ambient temperature	-20°C - 40°C
SELV	No
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid Timber 30/60/90min, I-Joist 30min, Metal Web 30min
Electric class (1, 2, 3)	2

### Photometrics @ 25°C

Product code	Finish	W	CCT	Beam angle	Im	Im/W	Energy
DLT661600A	White bezel included	4W	2700K	55°	450	112	
			3000K	55°	520	130	
			4000K	55°	500	125	
		6W	2700K	55°	650	108	
			3000K	55°	750	125	
			4000K	55°	720	120	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	0.75mm <sup>2</sup> - 2.5mm <sup>2</sup> 3 core cable for connector
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm <sup>2</sup> ) or 3-core cable (R02V 3x1.5mm <sup>2</sup> )
Type of wiring required	Parallel

### Accessories

DLT661BLKBZ	Black Bezel	Sold Separately	49
DLT661BSBZ	Brushed Steel Bezel	Sold Separately	49
DLCVT110	Concealer ring for larger cut outs	Sold Separately	50
DM298FP	Faceplate dimmer	Sold Separately	51
DM298GRID	Grid dimmer	Sold Separately	51

## Residential Downlights



Colour switchable between 2700K, 3000K and 4000K



Wattage Switchable between 4W & 6W



Switches allow you to choose

### Guarantee

7 years

### Features & benefits

Tilttable to highlight features on walls

2-part connector provides first fix wiring whilst the luminaire is detached from the connector, loop in loop out, quick maintenance should disconnection/reconnection be required

High efficacy of 130lm/W

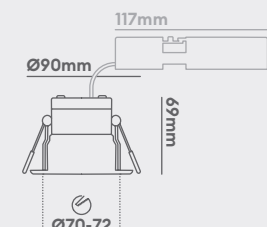
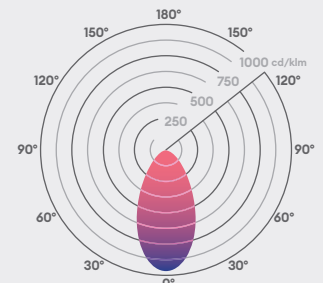
Compatible with Click Flow CT100 series

TRIAC Mains dimmable

Fixed with 55 degree beam angle

Compatible with H2 Twist and lock bezels

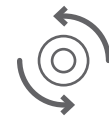
Beam angle: 55°





# H2 & H4 Bezels

## Choose the ideal bezel



Twist & lock  
interchangeable bezel

Change the look without having to change the fitting with our twist and lock bezel options. Slimline, low profile, easy to fit and change.

## Use the tables below to choose the perfect bezel accessory

Type	Antique brass	Matt black	Brushed steel	Matt white	Gloss white	Polished gold	Silver
Round bezel							
Square bezel	-		-		-		
H4 Lite CSP Round bezel	-			-	-	-	-

## Product codes

Product Code	Description	Finish	Compatible with	Guarantee
DLT661BLKBZ	Round bezel	Matt black	H4 Lite CSP	7 years
DLT661BSBZ	Round bezel	Brushed steel	H4 Lite CSP	7 years
RB359AB	Round bezel	Antique brass	H2 product	Covered as part of the H2 range warranty
RB359BLK	Round bezel	Matt black	H2 product	Covered as part of the H2 range warranty
RB359BS	Round bezel	Brushed steel	H2 product	Covered as part of the H2 range warranty
RB359MW	Round bezel	Matt white	H2 product	Covered as part of the H2 range warranty
RB359PG	Round bezel	Polished gold	H2 product	Covered as part of the H2 range warranty
RB359SIL	Round bezel	Silver	H2 product	Covered as part of the H2 range warranty
RB359WH	Round bezel	Gloss white	H2 product	Covered as part of the H2 range warranty
SQB360BLK	Square bezel	Matt black	H2 product	Covered as part of the H2 range warranty
SQB360MW	Square bezel	Matt white	H2 product	Covered as part of the H2 range warranty
SQB360PG	Square bezel	Polished gold	H2 product	Covered as part of the H2 range warranty
SQB360SIL	Square bezel	Silver	H2 product	Covered as part of the H2 range warranty
RB442BLK	Round bezel	Matt black	H4 product	Covered as part of the H4 range warranty
RB442BS	Round bezel	Brushed steel	H4 product	Covered as part of the H4 range warranty
RB442CR	Round bezel	Chrome	H4 product	Covered as part of the H4 range warranty
RB442MW	Round bezel	Matt white	H4 product	Covered as part of the H4 range warranty
RB442WH	Round bezel	Gloss white	H4 product	Covered as part of the H4 range warranty

For full product specification visit [collingwoodlighting.com](http://collingwoodlighting.com)

## Compatible with













	DLT661BLKBZ	DLT661BSBZ	RB359AB	RB359BLK	RB359BS	RB359MW	RB359PG	RB359SIL	RB359WH	SQB360BLK	SQB360MW	SQB360PG	SQB360SIL	RB442BLK	RB442BS	RB442CR	RB442MW	RB442WH
H2 product range			●	●	●	●	●	●	●	●	●	●	●					
H4 Lite CSP	●	●																
H4 product range														●	●	●	●	●
Converter plates page 50	●	●	●	●	●	●	●	●	●					●	●	●	●	●

# Converter plates

## Choose the ideal converter

The converter plate can be used to install a downlight where the ceiling cut out is too large, or to conceal ceiling damage caused by the removal of an old downlight

### Use the tables below to choose the perfect converter plate accessory

Type	Matt black	Brushed steel	Chrome	Matt white	Gloss white
DLCVT110					
DLCVT170	-				-
DLCONVERT70					

### Product codes

Product Code	Description	Finish	Cut-out (mm)	Guarantee
DLCVT110BLK	Discreet converter plates for the downlight range, 110mm diameter	Matt black	72-95	7 year guarantee
DLCVT110BS	Discreet converter plates for the downlight range, 110mm diameter	Brushed steel	72-95	7 year guarantee
DLCVT110CR	Discreet converter plates for the downlight range, 110mm diameter	Chrome	72-95	7 year guarantee
DLCVT110MW	Discreet converter plates for the downlight range, 110mm diameter	Matt white	72-95	7 year guarantee
DLCVT110WH	Discreet converter plates for the downlight range, 110mm diameter	Gloss white	72-95	7 year guarantee
DLCVT170BS	Converter plates for the H5 downlight range, 170mm diameter	Brushed steel	112-155	7 year guarantee
DLCVT170CR	Converter plates for the H5 downlight range, 170mm diameter	Chrome	112-155	7 year guarantee
DLCVT170MW	Converter plates for the H5 downlight range, 170mm diameter	Matt white	112-155	7 year guarantee
DLCONVERT70BS	Hole converter plates for the H2 Pro/H4 Pro/H2 Lite ranges, 170mm diameter	Brushed steel	63-150	1 year guarantee
DLCONVERT70CR	Hole converter plates for the H2 Pro/H4 Pro/H2 Lite ranges, 170mm diameter	Chrome	63-150	1 year guarantee
DLCONVERT70MW	Hole converter plates for the H2 Pro/H4 Pro/H2 Lite ranges, 170mm diameter	Matt white	70-150	1 year guarantee
DLCONVERT70WH	Hole converter plates for the H2 Pro/H4 Pro/H2 Lite ranges, 170mm diameter	Gloss white	63-150	1 year guarantee

For full product specification visit [collingwoodlighting.com](http://collingwoodlighting.com)

### Compatible with

	RB359AB	RB359BLK	RB359BS	RB359MW	RB359PG	RB359SIL	RB359WH	SQB360BLK	SQB360MW	SQB360PG	SQB360SIL	RB442BLK	RB442BS	RB442CR	RB442MW	RB442WH
H2 product range	●	●	●	●	●	●	●	●	●	●	●					
H4 product range												●	●	●	●	●





## DM298GRID

250W LED mains grid dimmer

### Product Code

Product code	Description
DM298GRID	250W LED mains grid dimmer

### Installation information

Guarantee	1 year guarantee
Construction material	Plastic
Dimmer type	Push on / off, rotary dial dim
Grid plate adapters	White adaptors for Hamilton, MK, BG, Crabtree, Schneider, DETA, Hager & Wandsworth grid ranges
Mains supply voltage	220-240V AC
Load type	LED dimmable driver only
Load capacity	5-250W / 15 LED Units Max.
Phase firing	Trailing edge dimming
Connection terminals	3mm <sup>2</sup> Max
Back box depth	35mm min
Surface temperature	40°C

### Use with

Compatible with all Collingwood dimmable products
---



## DM298FP

100W LED 2 way push on/ off rotary dimmer

### Product Code

Product code	Description
DM298FP	100W LED 2 way push on/ off rotary dimmer

### Installation information

Guarantee	1 year guarantee
Construction material	Plastic
Dimmer type	Push on / off, rotary dial dim
Grid plate adapters	-
Mains supply voltage	220-240V AC
Load type	LED dimmable driver only
Load capacity	5-100W / 10 LED Units Max.
Phase firing	Trailing edge dimming
Connection terminals	3mm <sup>2</sup> Max
Back box depth	35mm min
Surface temperature	40°C

### Use with

Compatible with all Collingwood dimmable products
---

Use the dimming matrix guide below to determine the correct amount of downlights used per dimmer.

Products	Wattage	DM298FP	DM298GRID	Page
1901	9.6W	1 - 9	1 - 15	Page 64-65
1901 DIM TO WARM	10W	1 - 9	1 - 15	Page 64-65
H2 Deco	6.5W / 10W	1 - 9	1 - 15	Page 33
H2 Lite	4.3W	1 - 10	1 - 15	Page 42
H2 Lite CSP	4.2W / 6W	1 - 10	1 - 15	Page 45
H2 Pro	5W / 7W	1 - 10	1 - 15	Page 36
H2 Pro 550	5.2W	1 - 10	1 - 15	Page 39
H2 Pro Extreme	5W	1 - 10	1 - 15	Page 34
H4 Lite	4.3W	1 - 10	1 - 15	Page 43
H4 Lite CSP	4.3W	1 - 10	1 - 15	Page 47
H4 Pro	5W / 7W	1 - 10	1 - 15	Page 37
H4 Pro 550	5.2W	1 - 10	1 - 15	Page 41
H5 Trimless	6W	1 - 10	1 - 15	Page 30

1901




Architectural range



# Building your 1901 product code

## Choosing the ideal 1901 fitting

Using the matrix below, working from left to right build your product code.

	1	2	3	4
	Product type	Housing / Trim colour	Baffle colour	Style
 <p><b>Downlights</b></p> <p>Create your downlight product code by picking from the options to the right (Fire rated as standard)</p>	<b>BD</b> Baffled downlight	<b>B</b> Matt black housing	<b>0</b> Matt white baffle	<b>0</b> Slim round bezel (available in fixed only)
		<b>L</b> Matt white housing	<b>1</b> Matt black baffle	<b>1</b> Round bezel
				<b>2</b> Square bezel
				<b>3</b> Single trimless
				<b>4</b> Double trimless
 <p><b>Pendants</b></p> <p>Create your pendant product code by picking from the options to the right</p>	<b>BP</b> Baffled pendant	<b>B</b> Matt black housing & black cable	<b>0</b> Matt white baffle	<b>5</b> Semi-recessed
		<b>C</b> Matt white housing & black cable	<b>1</b> Matt black baffle	<b>6</b> Surface mount (available in mains dimming only)
		<b>L</b> Matt white housing & white cable		
 <p><b>Rotatable spot</b></p> <p>Create your rotatable spot product code by picking from the options to the right</p>	<b>BS</b> Baffled spot	<b>B</b> Matt black housing	<b>0</b> Matt white baffle	<b>5</b> Semi-recessed
		<b>L</b> Matt white housing	<b>1</b> Matt black baffle	<b>6</b> Surface mount (available in mains dimming only)



## Example

If you wanted a baffled pendant that has matt white housing with black cable, matt black baffle, surface mounted, 3000K, 24° beam angle, mains dimmable, that's not IP65 rated - your product code would be:

**BPC16F30MM**

5

**Fixed /  
Adjustable**

6

**Colour  
temperature**

7

**Beam angle**

8

**Dimming**

9

**IP rating**  
(leave blank for non-IP)

**A**

Adjustable

**F**

Fixed

**27**

2700K

**28**

Dim to warm  
(available in mains  
dimming only)

**30**

3000K

**40**

4000K

**N**

Narrow 12°  
(not available in  
dim to warm)

**M**

Medium 24°

**W**

Wide 50°  
(dim to warm is 45°)

**D**

DALI-2

**M**

Mains

**V**

1-10V

**I**

IP65  
(available in fixed only)

**Leave blank**  
Standard  
(IP20 or IP44)

**F**

Fixed  
(default)

**27**

2700K

**28**

Dim to warm  
(available in mains  
dimming only)

**30**

3000K

**40**

4000K

**N**

Narrow 12°  
(not available in  
dim to warm)

**M**

Medium 24°

**W**

Wide 50°  
(dim to warm is 45°)

**D**

DALI-2  
(available in  
semi-recessed only)

**M**

Mains

**V**

1-10V  
(available in  
semi-recessed only)

**Leave blank**  
Standard  
(IP44)

**A**

Adjustable  
(default)

**27**

2700K

**28**

Dim to warm  
(available in mains  
dimming only)

**30**

3000K

**40**

4000K

**N**

Narrow 12°  
(not available in  
dim to warm)

**M**

Medium 24°

**W**

Wide 50°  
(dim to warm is 45°)

**D**

DALI-2  
(available in  
semi-recessed only)

**M**

Mains

**V**

1-10V  
(available in  
semi-recessed only)

**Leave blank**  
Standard  
(IP44)

# 1 Product type

The 1901 range is elegant in its simplicity; a downlight with a slim and discreet flat metal bezel, an elongated and slender pendant tube, and a neat and compact rotatable spot

## **BD - Baffled downlight**

A classic downlight which can be fixed or adjustable. A great choice for general illumination of any space.  
(Fire rated as standard)

## **BP - Baffled pendant**

The suspension height of the surface mounted pendant can be adjusted by altering the length of the fabric-covered cable on site. It is also mains dimmable as standard, making it perfect for highlighting kitchen islands or dining tables.

## **BS - Baffled rotatable spot**

A great choice for flexible illumination of focal points, such as artwork or architectural details, creating contrast and drama. Also comes with a choice of a recessed or surface mounted base plate and a range of dimmable driver options



## 2 Housing / Trim colour

All products in the 1901 range are available in matt black or matt white finish

### B - Matt black

A great choice to make the product appear invisible on a dark surface, or create contrasting drama against a light surface.

### L - Matt white

Our most popular finish is simply discreet and stylish.

### C - Matt white with black cable



## 3 Baffle colour

With a stylish and sleek design our choice of baffles will create beautifully lit interior spaces.

### 0 - Matt white baffle

All our downlights, pendants and rotatable spots are available with a matt white baffle for a discreet look.

### 1 - Matt black baffle

All our downlights, pendants and rotatable spots are available with a matt black baffle for low glare.



# Style

## Downlight options

Showcasing an aesthetically simple, low-glare luminaire design with superior performance. Choose from round, slim round, square, single trimless or double trimless downlight styles to perfectly illuminate residential and hospitality spaces.



### 0 - Slim round bezel

Available in fixed only  
Cut out size Ø65-68mm

### 1 - Round bezel

Fixed cut out size Ø65-78mm  
Adjustable cut out size Ø76-78mm

### 2 - Square bezel

Fixed cut out size Ø65-78mm  
Adjustable cut out size Ø76-78mm

## Mounting options for pendants and rotatable spots

### 5 - Semi recessed

The remote driver and base plate with springs makes this option ideal for mounting on ceilings and walls with a void space.





Single and double trimless versions are plastered in place for the ultimate discreet and stylish finish.



**3 - Single trimless**

Cut out size Ø68-86mm

**4 - Double trimless**

Cut out size 2 x Ø68-86mm

**6 - Surface mounted**

The mains dimmable driver is integrated into the base, which is ideal when there is limited void space.



5

## Fixed / Adjustable

The functional fittings are available in fixed or adjustable options.

### F - Fixed

Fixed downward position achieves a broad spread of ambient light throughout a space.

### A - Adjustable

Light can be directed to where it is required, such as highlighting features and artwork on walls.



6

## Colour temperature (CCT)

Creating the ambience and mood of a room is hugely dependant on the chosen lighting. Our selection of colour temperatures result in a comfortable yet high impact lit effect which luxuriously enhances interiors and architectural features.

### 2700K

Create an inviting, warm ambience, ideal for living rooms and bedrooms where you want to promote relaxation.

### 3000K

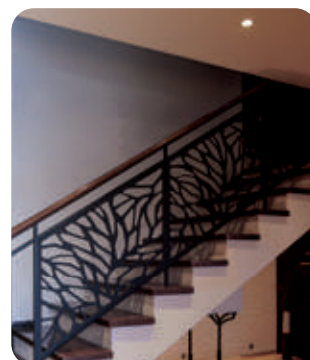
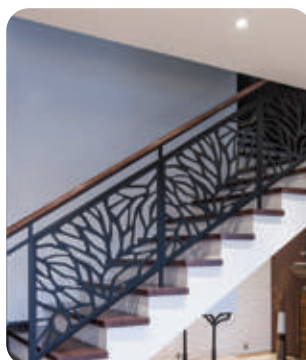
This is a moderately warm white light which is ideal for general use in residential projects.

### 4000K

This is a brighter white light so is an excellent choice for home offices and gyms.

### Dim to Warm

Mimic traditional light sources by creating a progressively warmer light as you dim the fitting. 3000K at 100% brightness is perfect for everyday use, or dim all the way through to 1800K at 10% brightness for a really cosy and intimate environment.

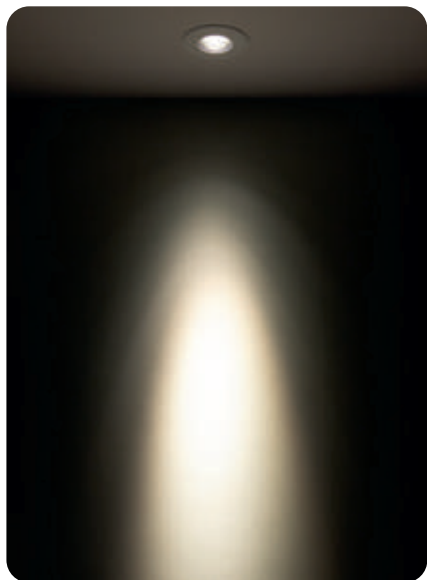


## 7 Beam angle

Wide, medium and narrow beam options can be selected, which can achieve the desired effect for the size of space.

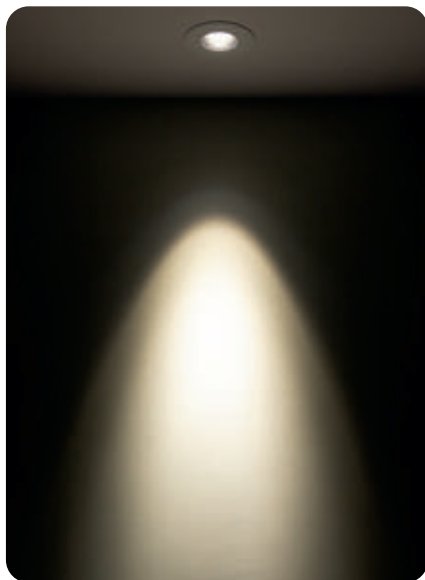
### N - Narrow 12°

The narrow beam option has a greater intensity, making it ideal for highlighting features. (Not available in Dim to warm)



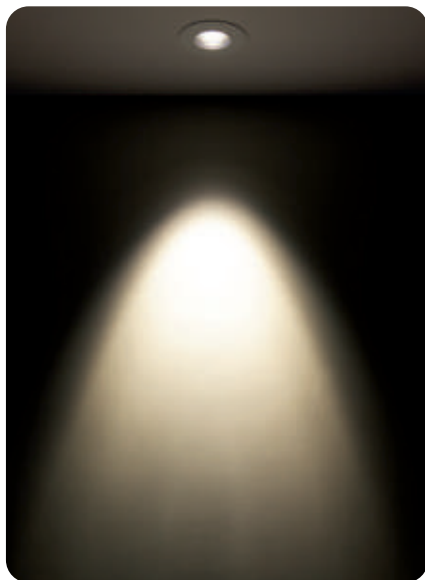
### M - Medium 24°

Medium beam option has more a wider spread of light, and is a good choice for corridors.



### W - Wide 45° or 50°

Wide beam angle is a good choice for creating an even spread of light across a wide open area.



## 8 Dimming options

Choose from a choice of drivers to suit any control preferences.



### M - Mains driver

A mains driver is suited for dimming via a mains circuit and dimmer switch. Comes with the Collingwood Easy-fit connector to speed-up the installation process.



### D - DALI-2 driver

Commission a DALI-2 system to control individual 1901 fittings, or groups of fittings, with the smooth and simple operation as expected from this digital protocol.



### V - 1-10V driver

The choice for dimming via an analogue 1-10V control system. Up to 10 drivers can be linked to one dimmer.

## 9 IP rating

Three IP ratings are available depending on preference.

### IP20

The lowest IP rating of the range is perfect for almost all indoor spaces, such as living rooms, dining rooms and hallways.



### IP44

A great choice where they may be a potential exposure to water spray, such as kitchens.



### IP65

Where there is a high probability of water spray and airborne moisture, choose IP65. Great for bathrooms.



## Make your 1901 product fire-rated

If you require a fire-rating from your 1901 recessed pendant or rotatable spot, you will need a fire hood.

Simply push the fire-rated hood into the void through the cut-out hole, and insert the fitting into place beneath it. A quick and easy way to fire-rate your 1901 recessed pendant & rotatable spot product.

**Product code:** BDLFH2





# Technical information

Use the table below to work out the photometric data for your 1901 product.

1901	CCT	Beam angle	Wattage	CRI	Lumens	Efficacy (lm/W)	lux at 1m
Single fitting (black baffle)	4000K	12°	9.6W	≥90Ra	850	94	9018
	4000K	24°	9.6W	≥90Ra	850	94	3450
	4000K	50°	9.6W	≥90Ra	850	94	1400
	3000K	12°	9.6W	≥90Ra	800	89	7816
	3000K	24°	9.6W	≥90Ra	800	89	3250
	3000K	50°	9.6W	≥90Ra	800	89	1300
	2700K	12°	9.6W	≥90Ra	800	89	7214
	2700K	24°	9.6W	≥90Ra	800	89	3250
	2700K	50°	9.6W	≥90Ra	800	89	1300
	Dim to warm	24°	9.6W	≥90Ra	600	60	3148
	Dim to warm	45°	9.6W	≥90Ra	600	60	1147
Double fitting (black baffle)	4000K	12°	19.2W	≥90Ra	2 x 850	94	2 x 9018
	4000K	24°	19.2W	≥90Ra	2 x 850	94	2 x 3450
	4000K	50°	19.2W	≥90Ra	2 x 850	94	2 x 1400
	3000K	12°	19.2W	≥90Ra	2 x 800	89	2 x 7816
	3000K	24°	19.2W	≥90Ra	2 x 800	89	2 x 3250
	3000K	50°	19.2W	≥90Ra	2 x 800	89	2 x 1300
	2700K	12°	19.2W	≥90Ra	2 x 800	89	2 x 7214
	2700K	24°	19.2W	≥90Ra	2 x 800	89	2 x 3250
	2700K	50°	19.2W	≥90Ra	2 x 800	89	2 x 1300
	Dim to warm	24°	19.2W	≥90Ra	2 x 600	60	2 x 3148
	Dim to warm	45°	19.2W	≥90Ra	2 x 600	60	2 x 1147
Single fitting (white baffle)	4000K	12°	9.6W	≥90Ra	900	100	9018
	4000K	24°	9.6W	≥90Ra	900	100	3550
	4000K	50°	9.6W	≥90Ra	900	100	1450
	3000K	12°	9.6W	≥90Ra	850	94	7816
	3000K	24°	9.6W	≥90Ra	850	94	3350
	3000K	50°	9.6W	≥90Ra	850	94	1350
	2700K	12°	9.6W	≥90Ra	850	94	7214
	2700K	24°	9.6W	≥90Ra	850	94	3350
	2700K	50°	9.6W	≥90Ra	850	94	1350
	Dim to warm	24°	9.6W	≥90Ra	600	60	3148
	Dim to warm	45°	9.6W	≥90Ra	600	60	1147
Double fitting (white baffle)	4000K	12°	19.2W	≥90Ra	2 x 900	100	2 x 9018
	4000K	24°	19.2W	≥90Ra	2 x 900	100	2 x 3550
	4000K	50°	19.2W	≥90Ra	2 x 900	100	2 x 1450
	3000K	12°	19.2W	≥90Ra	2 x 850	94	2 x 7816
	3000K	24°	19.2W	≥90Ra	2 x 850	94	2 x 3350
	3000K	50°	19.2W	≥90Ra	2 x 850	94	2 x 1350
	2700K	12°	19.2W	≥90Ra	2 x 850	94	2 x 7214
	2700K	24°	19.2W	≥90Ra	2 x 850	94	2 x 3350
	2700K	50°	19.2W	≥90Ra	2 x 850	94	2 x 1350
	Dim to warm	24°	19.2W	≥90Ra	2 x 600	60	2 x 3148
	Dim to warm	45°	19.2W	≥90Ra	2 x 600	60	2 x 1147



\*Accurate at the time of printing.  
Please check website for updates to technical information.  
[www.collingwoodlighting.com](http://www.collingwoodlighting.com) or scan the QR code.

# Architectural Lighting

- IP65** Available in IP65 for various applications
- Dim** Mains, 1-10V & DALI-2 dimmable options
- >80Ra** CRI 80 providing true colour appearance

## Guarantee

7 Years

## Features & benefits

The 1901 family consists of a pendant, spot light and downlight all with a consistent design language

Use our product selector to choose from 1,800 different combinations

Designed & assembled in Northampton UK

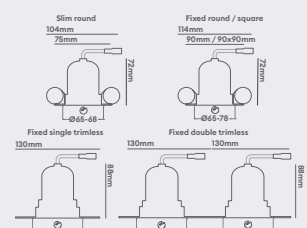
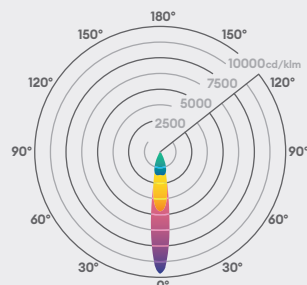
Fixed, Adjustable, Round, Square, Trimless options available

Emergency options available

Fire-rated to 30 minutes for us in Solid timber, I-Joist and Metal Web ceiling joists

Integrated LED using premium components to achieve 70,000 hours/60 years lifetime

Beam angle: 12° 24° 50°



## 1901 Fixed Downlight

Design your light! Modular Architectural Downlight Range

## Features

IP rating	IP44 / IP65
CSP switchable	Fixed colour / Dim to warm
Tiltable	No
UGR	1
Dimmable option	Mains / DALI-2 / 1-10V
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>95
Colour consistency	SDCM3
Emergency option	Yes, using converter

## Installation information

Install connector type	Loop in / Loop out
Insulation coverable	No
Cut out size (mm)	Slim Round: 65-68mm Fixed: 68-78mm Single trim: 68-76mm Double trim: 68-86mm
Bathroom zone	1
Inrush current	DALI 2: 20A 17μs Mains: 2.6A/0.3ms 1-10V: 10A/22μs
Construction material	Aluminium
Maximum ceiling thickness	40 mm
Weight	240-260g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid Timber 30/60/90min, I-Joist 30min, Metal Web 30min
Electric class (1, 2, 3)	2

## Photometrics @ 25°C

See page 63

## Wiring information

Cable required for connector	2 x twin & earth (6242Y 3x1.5mm?) or 3-core cable (R02V 3x1.5mm?)
Type of wiring required	Parallel

## Accessories

LEDEP10	3hr non-maintained, self-test emergency pack (plug & play)	Sold Separately
LEDEP10DA	Emergency converter, DALI-2 Addressable	Sold Separately

## Architectural Lighting



Available in IP65 for various applications



Mains, 1-10V & DALI-2 dimmable options



CRI 80 providing true colour appearance

# 1901 Adjustable Downlight

Design your light! Modular Architectural Downlight Range

## Features

IP rating	IP20
CSP switchable	Fixed colour / Dim to warm
Tilttable	20°
UGR	1
Dimmable option	Mains / DALI-2 / 1-10V
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>95
Colour consistency	SDCM3
Emergency option	Yes, using converter

## Installation information

Install connector type	Loop in / Loop out
Insulation coverable	No
Cut out size (mm)	Adjustable: 76-78mm Single trim: 68-76mm Double trim: 68-86mm
Bathroom zone	N/A
Inrush current	DALI 2: 20A 17µs Mains: 2.6A/0.3ms 1-10V: 10A/22µs
Construction material	Aluminium
Maximum ceiling thickness	40 mm
Weight	240-260g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part P, L & B
Ceiling joist approvals	Solid Timber 30/60/90min, I-Joist 30min, Metal Web 30min
Electric class (1, 2, 3)	2

## Guarantee

7 Years

## Features & benefits

The 1901 family consists of a pendant, spot light and downlight all with a consistent design language

Use our product selector to choose from 1,800 different combinations

Designed & assembled in Northampton UK

Fixed, Adjustable, Round, Square, Trimless options available

Emergency options available

Fire-rated to 30 minutes for use in Solid timber, I-Joist and Metal Web ceiling joists

Integrated LED using premium components to achieve 70,000 hours/60 years lifetime

## Photometrics @ 25°C

See page 63

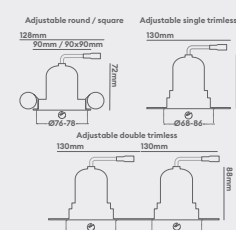
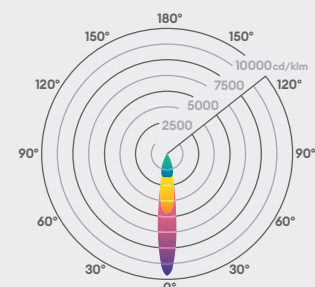
## Wiring information

Cable required for connector	2 x twin & earth (6242Y 3x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

## Accessories

LEDEP10	3hr non-maintained, self-test emergency pack (plug & play)	Sold Separately
LEDEP10DA	Emergency converter, DALI-2 Addressable	Sold Separately

Beam angle: 12° 24° 50°



# Architectural Lighting



Semi-recessed for discreet look



Baffled for low glare and visual comfort



CRI 90 providing true colour appearance

## Guarantee

7 Years

## Features & benefits

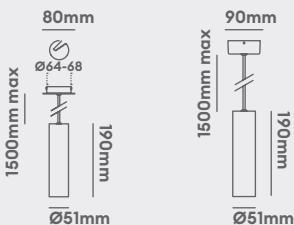
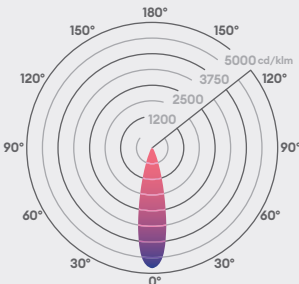
Available with a choice of a matt black or matt white finish

A sleek cylindrical style with hidden fixings

Complete with 1.5m adjustable fabric cable

7 year warranty: Collingwood's signature quality you can trust

Beam angle: 24°



## 1901 Pendant

Sleek, low glare, pendant

### Features

IP rating	IP44
CSP switchable	Fixed colour / Dim to warm
Tiltable	No
UGR	0
Dimmable option	Yes (Mains)
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3
Emergency option	Yes

### Installation information

Install connector type	Loop in / Loop out
Insulation coverable	No
Cut out size (mm)	65-68
Bathroom zone	1
Inrush current	2.6A/33µs
Construction material	Aluminium
Maximum ceiling thickness	40 mm
Weight	450g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part P, L, C & E
Electric class (1, 2, 3)	2

### Photometrics @ 25°C

See page 63

### Wiring information

Cable required for connector	2 x twin & earth (6242Y 3x1.5mm) or 3-core cable (R02V 3x1.5mm)
Type of wiring required	Parallel

### Accessories

LEDEP10	3hr non-maintained emergency pack (plug & play)	Sold Separately
BDLFH2	Fire Hood	Sold Separately

68





# 1901 Spot

Sleek, low glare, rotatable spot light

## Features

IP rating	IP44
CSP switchable	Fixed colour / Dim to warm
Tilttable	90°
Rotatable	355°
UGR	0
Dimmable option	Mains / DALI-2 / 1-10V (Surface mount mains only)
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3
Emergency option	Yes

## Installation information

Install connector type	Loop in / Loop out
Insulation coverable	No
Cut out size (mm)	65-68
Bathroom zone	1
Inrush current	DALI: 20A 17µs Mains: 2.6A/0.3ms 1-10V: 10A/22µs
Construction material	Aluminium
Maximum ceiling thickness	40 mm
Weight	350g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part P, L, C & E
Electric class (1, 2, 3)	2

## Photometrics @ 25°C

See page 63

## Wiring information

Cable required for connector	2 x twin & earth (6242Y 3x1.5mm) or 3-core cable (R02V 3x1.5mm)
Type of wiring required	Parallel

## Accessories

LEDEP10	3hr non-maintained, self-test emergency pack (plug play)	Sold Separately
BDLFH2	Fire Hood	Sold Separately

68

## Architectural Lighting



Semi-recessed for discreet look



360° rotation for total flexibility



CRI 90 providing true colour appearance

## Guarantee

7 Years

## Features & benefits

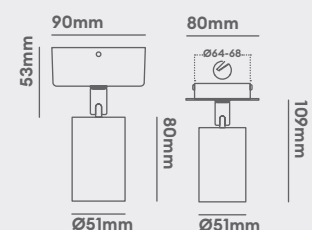
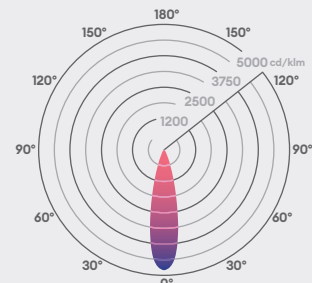
Available with a choice of a matt black or matt white finish

A sleek cylindrical style with hidden fixings

Maximum flexibility with tilt and rotate function to direct light exactly where it is needed

7 year warranty: Collingwood's signature quality you can trust

Beam angle: 24°



# 1901 accessories

## Do you need a fire-rated hood?

Use a fire-rated hood to make your 1901 recessed pendant or rotatable spot light fire-rated.

### Choose the ideal protection

BDLFH2

Accessory on its own



### Product codes

Product Code	Description	Guarantee
BDLFH2	Fire-rated hood for recessed pendant or spot fittings	7 year extended warranty

### Compatible with

	1901 Downlight	1901 Pendant Semi-recessed	1901 Pendant Surface mount	1901 Rotatable Spot Semi-recessed	1901 Rotatable Spot Surface mount
BDLFH2		●		●	



# Decorative Lighting











## Lustre Pendant

A circular decorative pendant light

### Features

IP rating	IP20
CSP switchable	Single CCT
Tiltable	No
Rotatable	No
Dimmable option	Yes (TRIAC)
Input	220-240V AC
LED lifetime	L70 54,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6

### Installation information

Install connector type	Loop in / Loop out
Bathroom zone	N/A
Inrush current	2.32A
Construction material	Aluminium
Weight	1.12Kg
Maximum ambient temperature	-20°C - 40°C
SELV	No
Building regulations	Part P, L
Mounting options	Suspended
Electric class (1, 2, 3)	1

### Photometrics @ 25°C

Product code	Finish	Reflector	W	CCT	Beam angle	lm	lm/W	Energy
AIN3KPLBKGD	Black	Gold Reflector	15W	3000K	120°	700	46	
AIN3KPLBKWH	Black	White Reflector	15W	3000K	120°	1120	76	
AIN3KPLWHGD	White	Gold Reflector	15W	3000K	120°	700	46	
AIN3KPLWHWH	White	White Reflector	15W	3000K	120°	1120	76	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm?) or 3-core cable (R02V 3x1.5mm?)
Type of wiring required	Parallel

### Accessories

N/A (No Accessories required)
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## Decorative Lighting



IP20 perfect for internal applications



CRI 80 providing true colour appearance



TRIAC Dimmable

### Guarantee

5 years

### Features & benefits

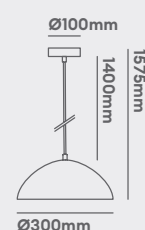
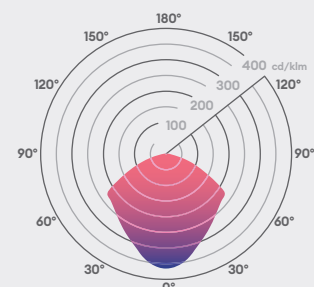
Suspended mounting only

120° beam angle for wide illumination

Concentric circles create a striking decorative light effect

Available in both white and black

Beam angle: 120°



## Decorative Lighting

- IP54** perfect for internal applications
- >80Ra** CRI 80 providing true colour appearance
- Dim** TRIAC Dimmable

### Guarantee

5 years

### Features & benefits

Ceiling or suspended mounting option's

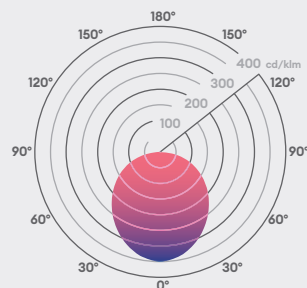
120° beam angle for wide illumination

IK06 for impact protection

Concentric circles create a striking decorative light effect

Available in both white and black

Beam angle: 120°



## Lustre Ceiling Light

A circular decorative ceiling pendant light

### Features

IP rating	IP54
CSP switchable	Single CCT
Tiltable	No
Rotatable	No
Dimmable option	Yes (TRIAC)
Input	220-240V AC
LED lifetime	L70 54,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6

### Installation information

Install connector type	Loop in / Loop out
Bathroom zone	N/A
Inrush current	4.52A
Construction material	Polycarbonate
Weight	1.06Kg
Maximum ambient temperature	-20°C - 45°C
SELV	No
Building regulations	Part P, L
Mounting options	Ceiling
Electric class (1, 2, 3)	2

### Photometrics @ 25°C

Product code	Finish	Reflector	W	CCT	Beam angle	lm	lm/W	Energy
AIN3KCLBKGD	Black	Gold Reflector	18W	3000K	120°	1000	56	
AIN3KCLBKWH	Black	White Reflector	18W	3000K	120°	1000	56	
AIN3KCLWHGD	White	Gold Reflector	18W	3000K	120°	1000	56	
AIN3KCLWHWH	White	White Reflector	18W	3000K	120°	1000	56	

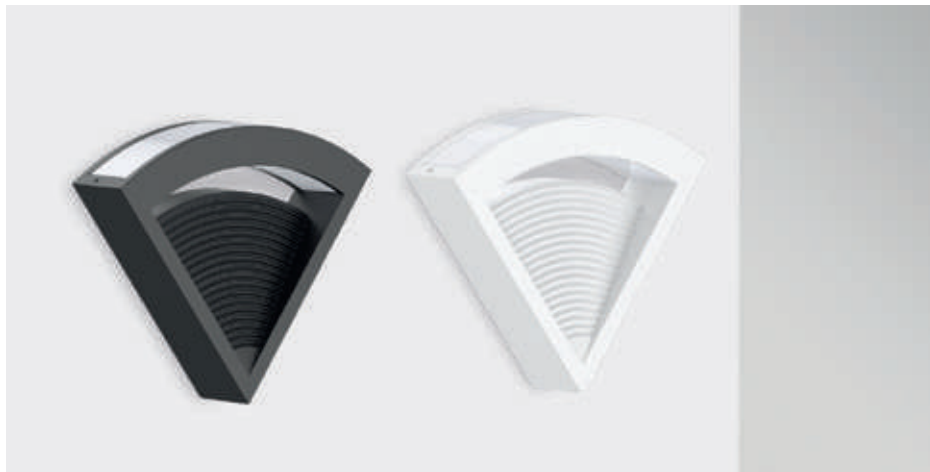
Energy rating is a reflection of the LED light source.

### Wiring information

Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

### Accessories

N/A (No Accessories required)
-------------------------------



# Lustre Wall Light

A triangular decorative wall light

## Features

IP rating	IP20
CSP switchable	Single CCT
Tilttable	No
Rotatable	No
Dimmable option	Yes (TRIAC)
Input	220-240V AC
LED lifetime	L70 60,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6

## Installation information

Install connector type	Loop in / Loop out
Bathroom zone	N/A
Inrush current	3.44A
Construction material	Aluminium Die-casting
Weight	0.48Kg
Maximum ambient temperature	-20°C - 45°C
SELV	No
Building regulations	Part P, L
Mounting options	Wall
Electric class (1, 2, 3)	1

## Photometrics @ 25°C

Product code	Finish	W	CCT	Beam angle	lm	lm/W	Energy
AIN3KWL BK	Black	8W	3000K	120°	355	49	
AIN3KWL WH	White	8W	3000K	120°	480	63	

Energy rating is a reflection of the LED light source.

## Wiring information

Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm?) or 3-core cable (R02V 3x1.5mm?)
Type of wiring required	Parallel

## Accessories

N/A (No Accessories required)
-------------------------------

## Decorative Lighting



IP20 perfect for internal applications



CRI 80 providing true colour appearance



TRIAC Dimmable

## Guarantee

5 years

## Features & benefits

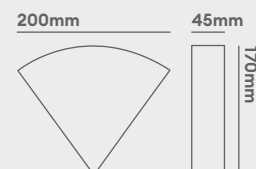
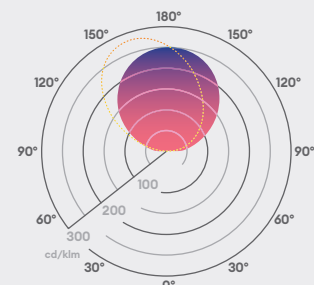
Wall mounting only

120° beam angle for wide illumination

Able to through wire to create your own decorative wall installations. Combine 5 luminaires for a full circle or alternate orientation for a striking luminaire design

Available in both white and black

Beam angle: 120°



# Decorative Lighting

- IP20 perfect for internal applications
- DALI dimmable option available
- CRI 80 providing true colour appearance

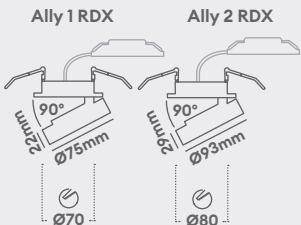
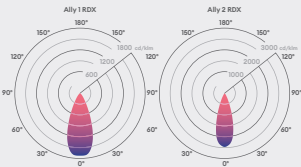
## Guarantee

5 years

## Features & benefits

Recessed ceiling mounting only  
Quick and easy installation with springs

Beam angle: 38°



## Ally 1 RDX | Ally 2 RDX

Adjustable round semi-recessed spotlight

### Features

IP rating	IP20
CSP switchable	Single CCT
Tiltable	90°
Rotatable	355°
Dimmable option	Yes
Input	220-240V AC
LED lifetime	L80 50,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	DO527 70 DO528 80
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium
Weight	0,354
Maximum ambient temperature	-30°C - 50°C
Electric class (1, 2, 3)	2

### Photometrics @ 25°C

Product code	Finish	W	CCT	Beam angle	lm	lm/W	Energy
DO527WW05	Black	10W	3000K	38°	1025	72	A E
DO527WW30	White	10W	3000K	38°	1025	72	A E
DO528WW05	Black	14W	3000K	38°	1270	66	A F
DO528WW30	White	14W	3000K	38°	1270	66	A F

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	0.5-1.5mm <sup>2</sup>
Type of wiring required	Parallel

### Accessories

CD123	Dimmable DALI constant current converter	Sold Separately
-------	--	-----------------





## Ally 3 RDX | Ally 4 RDX

Adjustable round recessed spotlight

### Features

IP rating	IP20
CSP switchable	Single CCT
Tiltable	45°
Rotatable	355°
Dimmable option	Yes
Input	220-240V AC
LED lifetime	L80 50,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	DO529 105 DO530 128
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium
Weight	0,354
Maximum ambient temperature	-30°C - 50°C
Electric class (1, 2, 3)	2

### Photometrics @ 25°C

Product code	Finish	W	CCT	Beam angle	lm	lm/W	Energy
DO529WW05	Black	10W	3000K	38°	1025	72	A E
DO529WW30	White	10W	3000K	38°	1025	72	A E
DO530WW05	Black	14W	3000K	38°	1270	66	A E
DO530WW30	White	14W	3000K	38°	1270	66	A E

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	0.5-1.5mm <sup>2</sup>
Type of wiring required	Parallel

### Accessories

CD123	Dimmable DALI constant current converter	Sold Separately
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## Decorative Lighting



IP20 perfect for internal applications



DALI dimmable option available



CRI 80 providing true colour appearance

### Guarantee

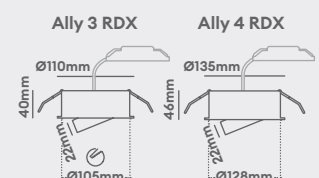
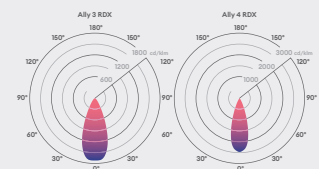
5 years

### Features & benefits

Recessed ceiling mounting only

Quick and easy installation with springs

Beam angle: 38°



# Decorative Lighting

- IP20** perfect for internal applications
- Dim** DALI dimmable option available
- >80Ra** CRI 80 providing true colour appearance

## Guarantee

5 years

## Features & benefits

Remote dimmable converter supplied



# DOTS 3W

3W Recessed spotlight

## Features

IP rating	IP20
CSP switchable	Single CCT
Tilttable	No
Rotatable	No
Dimmable option	Yes
Input	220-240V AC
LED lifetime	L80 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

## Installation information

Cut out size (mm)	39x35
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium
Weight	0.140
Maximum ambient temperature	-20°C - 45°C
Electric class (1, 2, 3)	2

## Photometrics @ 25°C

Product code	Finish	W	CCT	∠	lm	lm/W	Energy
DO500WW05	Black	3W	3000K	45°	320	58	
DO500WW05DA	Black	3W	3000K	45°	320	58	
DO500WW30	White	3W	3000K	45°	320	58	
DO500WW30DA	White	3W	3000K	45°	320	58	

Energy rating is a reflection of the LED light source.

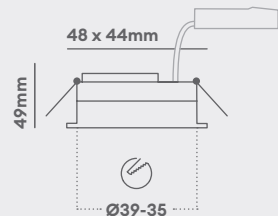
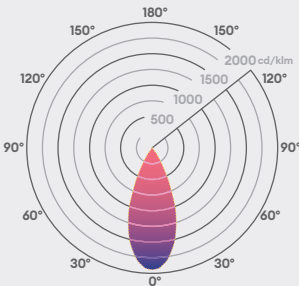
## Wiring information

Cable / flying lead	0.75-2.5 mm <sup>2</sup>
Type of wiring required	Parallel

## Accessories

N/A (No Accessories required)
-------------------------------

Beam angle: 45°





## DOTS 6W

6W Recessed spotlight

### Features

IP rating	IP20
CSP switchable	Single CCT
Tilttable	No
Rotatable	No
Dimmable option	Yes
Input	220-240V AC
LED lifetime	L80 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	93x35
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium
Weight	0.250
Maximum ambient temperature	-20°C - 45°C
Electric class (1, 2, 3)	2

### Photometrics @ 25°C

Product code	Finish	W	CCT	Beam angle	lm	lm/W	Energy
DO496WW05	Black	6W	3000K	45°	470	58	
DO496WW05DA	Black	6W	3000K	45°	470	58	
DO496WW30	White	6W	3000K	45°	470	58	
DO496WW30DA	White	6W	3000K	45°	470	58	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	0.75-2.5 mm <sup>2</sup>
Type of wiring required	Parallel

### Accessories

N/A (No Accessories required)
-------------------------------

## Decorative Lighting



IP20 perfect for internal applications



DALI dimmable option available



CRI 80 providing true colour appearance

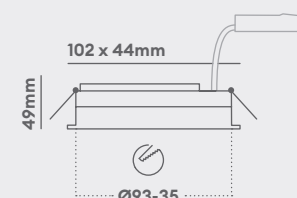
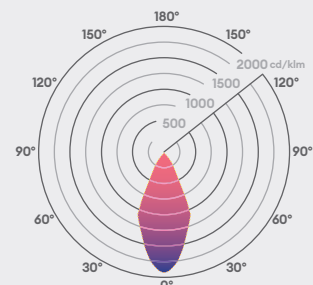
### Guarantee

5 years

### Features & benefits

Remote dimmable converter supplied

Beam angle: 45°









## OKTO 2 GU10

Up/down wall light

### Features

IP rating	IP20
Tilttable	No
Rotatable	No
Input	220-240V AC

### Installation information

Cut out size (mm)	N/A
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium
Weight	0.360kg
Maximum ambient temperature	-20°C - 60°C
Electric class (1, 2, 3)	1

### Photometrics @ 25°C

Product code	Finish	W
WA23405	Matt black	2x13W
WA23406	Matt Black - Rose Gold	2x13W
WA23408	Matt Black - Champagne	2x13W
WA23430	Matt white	2x13W
WA23483	Matt Black - Rose	2x13W

### Wiring information

Cable / flying lead	0.75-1.0 mm <sup>2</sup>
Type of wiring required	Parallel

### Accessories

N/A (No Accessories required)
-------------------------------

## Decorative Lighting

13W

2 x 13W MAX

IP20

Ideal for indoor use with IP20 rating

IK02

IK02 perfect for internal use

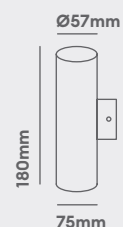
### Guarantee

3 years

### Features & benefits

Replaceable light source for flexibility and choice of a range of temperatures

Available in a range of colours, perfect for any setting









# OKTO C GU10

13W Adjustable round wall lamp

## Features

IP rating	IP20
Tilttable	85°
Rotatable	355°
Input	220-240V AC

## Installation information

Cut out size (mm)	N/A
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium
Weight	0.240kg
Maximum ambient temperature	-20°C - 60°C
Electric class (1, 2, 3)	1

## Photometrics @ 25°C

Product code	Finish	W
WA23002	Matt White - Rose Gold	13W
WA23005	Matt black	13W
WA23006	Matt Black - Rose Gold	13W
WA23008	Matt Black - Champagne	13W
WA23030	Matt white	13W
WA23049	Matt White - Champagne	13W
WA23082	Matt White - Rose	13W
WA23083	Matt Black - Rose	13W

## Wiring information

Cable / flying lead	0.75-1.0 mm <sup>2</sup>
Type of wiring required	Parallel

## Accessories

N/A (No Accessories required)
-------------------------------

## Decorative Lighting

**13W** 13W MAX

**IP20** Ideal for indoor use with IP20 rating

**355°** Adjustable with a 355° rotation

## Guarantee

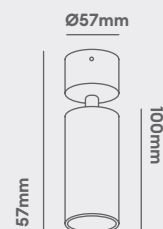
3 years

## Features & benefits

85° beam angle for wide illumination

Available in a range of colours, perfect for any setting

Replaceable light source for flexibility and choice of a range of temperatures



# Decorative Lighting

- 13W

2 x 13W MAX
- IP20

Ideal for indoor use with IP20 rating
- 355°

Adjustable with a 355° rotation

## Guarantee

3 years

## Features & benefits

- 85° beam angle for wide illumination
- Available in a range of colours, perfect for any setting
- Replaceable light source for flexibility and choice of a range of temperatures



# OKTO 2 C GU10

Adjustable wall lighting

## Features

IP rating	IP20
Tilttable	85°
Rotatable	355°
Input	220-240V AC

## Installation information

Cut out size (mm)	N/A
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium
Weight	0.680kg
Maximum ambient temperature	-20°C - 60°C
Electric class (1, 2, 3)	1

## Photometrics @ 25°C

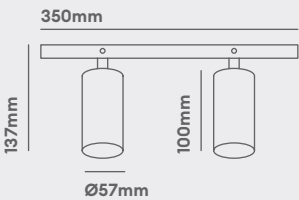
Product code	Finish	W
WA23202	Matt White - Rose Gold	2 x13W
WA23205	Matt black	2 x13W
WA23206	Matt Black - Rose Gold	2 x13W
WA23208	Matt Black - Champagne	2 x13W
WA23230	Matt white	2 x13W
WA23249	Matt White - Champagne	2 x13W
WA23282	Matt White - Rose	2 x13W
WA23283	Matt Black - Rose	2 x13W

## Wiring information

Cable / flying lead	0.75-1.0 mm <sup>2</sup>
Type of wiring required	Parallel

## Accessories

N/A (No Accessories required)
-------------------------------





# OKTO 4 C GU10

Adjustable wall or ceiling lamp

## Features

IP rating	IP20
Tilttable	85°
Rotatable	355°
Input	220-240V AC

## Installation information

Cut out size (mm)	N/A
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium
Weight	1.480
Maximum ambient temperature	-20°C - 60°C
Electric class (1, 2, 3)	1

## Photometrics @ 25°C

Product code	Finish	W
WA23302	Matt White - Rose Gold	4x13W
WA23305	Matt black	4x13W
WA23306	Matt Black - Rose Gold	4x13W
WA23308	Matt Black - Champagne	4x13W
WA23330	Matt white	4x13W
WA23349	Matt White - Champagne	4x13W
WA23382	Matt White - Rose	4x13W
WA23383	Matt Black - Rose	4x13W

## Wiring information

Cable / flying lead	0.75-1.0 mm <sup>2</sup>
Type of wiring required	Parallel

## Accessories

N/A (No Accessories required)
-------------------------------

## Decorative Lighting

**13W** 4 x 13W MAX

**IP20** Perfect for internal applications

**355°** Adjustable with a 355° rotation

## Guarantee

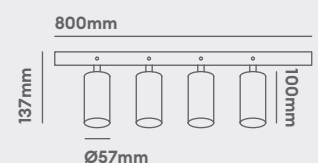
3 years

## Features & benefits

Available in a range of colours, perfect for any setting

85° beam angle for wide illumination

Replaceable light source for flexibility and choice of a range of temperatures











# OKTO P GU10

Decorative pendant light

## Features

IP rating	IP20
Tiltable	No
Rotatable	No
Input	220-240V AC

## Installation information

Cut out size (mm)	N/A
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium
Weight	0.400
Maximum ambient temperature	-20°C - 60°C
Electric class (1, 2, 3)	1

## Photometrics @ 25°C

Product code	Finish	W
SU16002	Matt White - Rose Gold	13W
SU16005	Matt black	13W
SU16006	Matt Black - Rose Gold	13W
SU16008	Matt Black - Champagne	13W
SU16030	Matt white	13W
SU16049	Matt White - Champagne	13W
SU16082	Matt White - Rose	13W
SU16083	Matt Black - Rose	13W

## Wiring information

Cable / flying lead	0.75-1.0 mm <sup>2</sup>
Type of wiring required	Parallel

## Accessories

N/A (No Accessories required)
-------------------------------

## Decorative Lighting

13W

13W MAX

IP20

IP20 perfect for internal applications

IK02

IK02 perfect for indoors

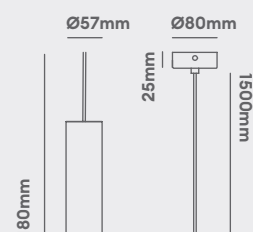
## Guarantee

3 years

## Features & benefits

Replaceable light source for flexibility and choice of a range of temperatures

Available in a range of colours, perfect for any setting



## Decorative Lighting

- IP20** Perfect for internal applications
- >90Ra** CRI 90 providing true colour appearance
-  Straight to mains for easy installation

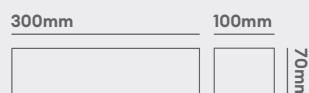
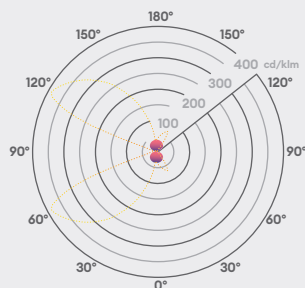
### Guarantee

3 years

### Features & benefits

Dimmable option available

Beam angle: **NA**



## FULLA

Decorative LED wall light

### Features

IP rating	IP20
CSP switchable	Single CCT
Tilttable	No
Rotatable	No
Dimmable option	Yes
Input	220-240V AC
LED lifetime	L80 50,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	N/A
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium
Weight	1.300kg
Maximum ambient temperature	-20°C - 50°C
Electric class (1, 2, 3)	1

### Photometrics @ 25°C

Product code	Finish	W	CCT	△	lm	lm/W	Energy
WA169WW30	White	2x7W	3000K	NA	1900	95	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	0.75-2.5mm <sup>2</sup> , AWG18-14
Type of wiring required	Parallel

### Accessories

N/A (No Accessories required)



# PLANK 1

Decorative wall light providing uplight

## Features

IP rating	IP20
CSP switchable	Single CCT
Dimmable option	Yes
Input	220-240V AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

## Installation information

Bathroom zone	N/A
Inrush current	10A
Construction material	Aluminium
Weight	0.779kg
Maximum ambient temperature	-10°C - 30°C
Electric class (1, 2, 3)	1

## Photometrics @ 25°C

Product code	Finish	Type	W	CCT	∠	lm	lm/W	Energy
PK30/1A/3K/W	Matt white	300mm	20W	3000K	110°	1760	91	
PK30/1A/4K/W	Matt white	300mm	20W	4000K	110°	1910	97	
PK60/1A/3K/W	Matt white	600mm	40W	3000K	110°	3775	92	
PK60/1A/4K/W	Matt white	600mm	40W	4000K	110°	4090	100	

Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	0.75-1.5mm <sup>2</sup>
Type of wiring required	Parallel

## Accessories

N/A (No Accessories required)
-------------------------------

## Decorative Lighting

- IK10** IK10 for robust protection
- IP20** Perfect for internal applications
- >90Ra** CRI 90 providing true colour appearance

## Guarantee

5 years

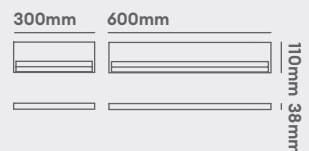
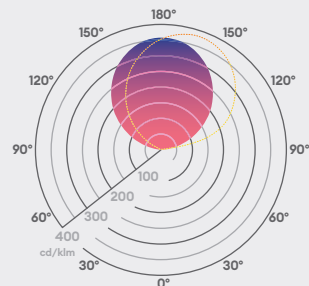
## Features & benefits

Suitable for use in sport centres, gyms or halls

Integral emergency option available for 600mm variant on request

Also available in Black on request

Beam angle: 110°







# Bulkheads & Wall lights

- IK10** IK10 for robust protection
- IP20** Perfect for internal applications
- >90Ra** CRI 90 providing true colour appearance

## Guarantee

5 years

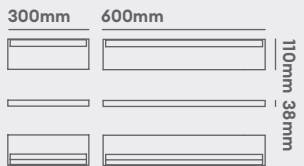
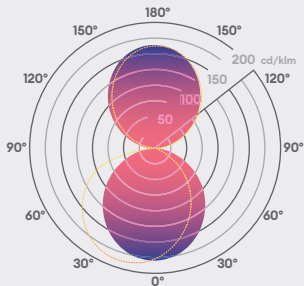
## Features & benefits

Suitable for use in sport centres, gyms or halls

Intergal emergency option available for 600mm variant on request

Also available in Black on request

Beam angle: 110°



# PLANK 2

Decorative wall light providing up and downlight

## Features

IP rating	IP20
CSP switchable	Single CCT
Dimmable option	Yes
Input	220-240V AC
LED lifetime	L70 50,000h
CRI	CRI>90
SDCM	SDCM3

## Installation information

Bathroom zone	N/A
Inrush current	10A
Construction material	Aluminium
Weight	0.846kg
Maximum ambient temperature	-10°C - 30°C
Electric class (1, 2, 3)	1

## Photometrics @ 25°C

Product code	Finish	Type	W	CCT	∠	lm	lm/W	Energy
PK30/2A/3K/W	Matt white	300mm	2x16W	3000K	110°	2x1105	93	A E
PK30/2A/4K/W	Matt white	300mm	2x16W	4000K	110°	2x1200	98	A D
PK60/2A/3K/W	Matt white	600mm	2x32W	3000K	110°	2x2820	99	A E
PK60/2A/4K/W	Matt white	600mm	2x32W	4000K	110°	2x3055	101	A D

Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	0.75-1.5mm <sup>2</sup>
Type of wiring required	Parallel

## Accessories

N/A (No Accessories required)
-------------------------------



## Decorative Lighting

**2.7W** 2.7W

**Quick and easy installation**

**IP54** IP54 rated for interior use

### Guarantee

5 years

### Features & benefits

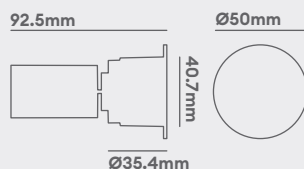
Interchangeable faceplate with magnetic design

High quality powder coating finish from AkzoNobel

Colour choice of white, black or satin chrome

Shape choice of square or round

Compatible with leading and trailing edge phase cut dimmers



## Stepbeam

Asymmetrical Wall Light

### Features

IP rating	IP54
CSP switchable	Single CCT
Tilttable	No
Rotatable	No
Dimmable option	Yes (Mains)
Input	220-240V AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	45
Bathroom zone	N/A
Inrush current	1.05A 0.05ms
Construction material	Die-cast aluminum
Weight	25kg
Maximum ambient temperature	-10°C - 40°C
Electric class (1, 2, 3)	1

### Photometrics @ 25°C

Product code	Finish	W	CCT	Beam angle	lm	lm/W	Energy
STEPBEAM30	Bezel sold separately	2.7W	3000K	30° to 45°	See Bezel Accessories	See Bezel Accessories	

Energy rating is a reflection of the LED light source.

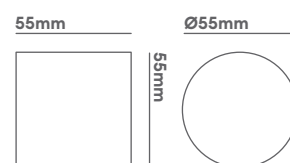
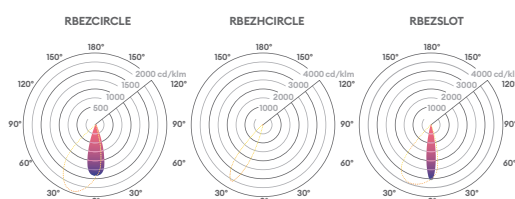
### Wiring information

Cable / flying lead	170mm, 2x 0.75mm Live & Neutral
Type of wiring required	Parallel

### Accessories

Stepbeam Bezels	Round or Square, Circle, Half circle or slot bezels	Sold Separately	<b>93</b>
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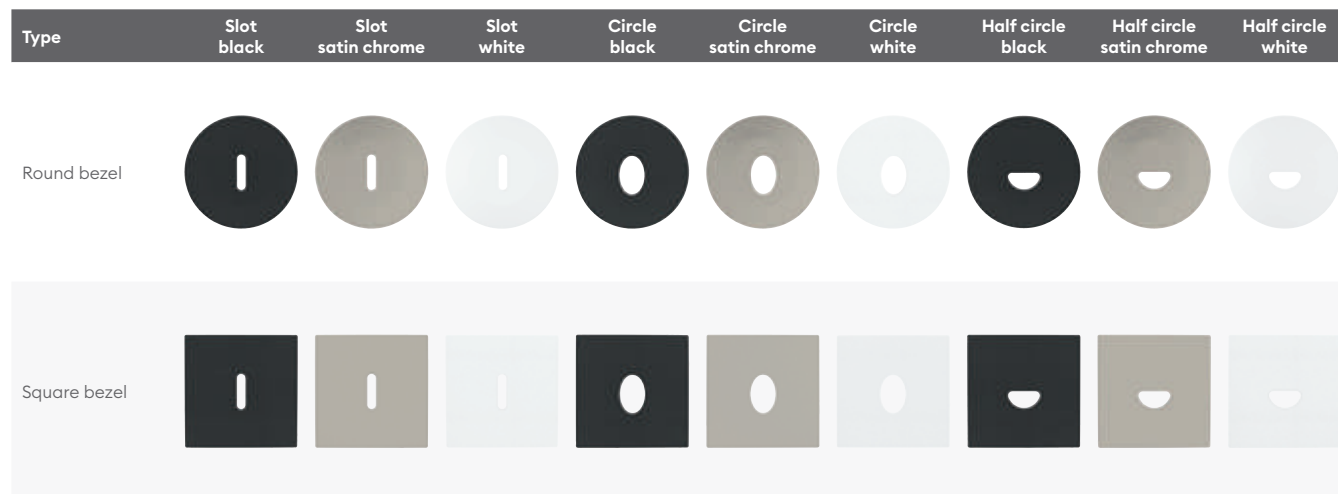
Beam angle: 30° to 45°



# Stepbeam bezel accessories

Choose the ideal bezel for your Stepbeam

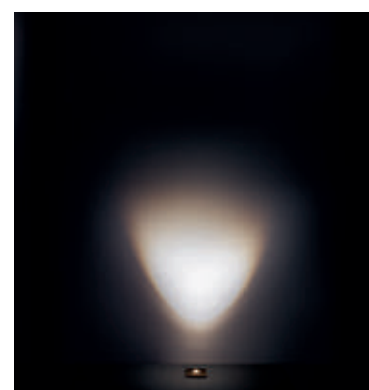
Perfect for any installation with our magnetic bezels to choose from.



Slot 30°



Circle 45°



Half circle 45°

## Photometrics @ 25°C

Product code	Finish	Type	CCT	∠°	lm	lm/W
RBEZCIRCLEB	Black	Round circle	3000K	45°	65	24
RBEZCIRCLES	Satin Chrome	Round circle	3000K	45°	65	24
RBEZCIRCLEW	White	Round circle	3000K	45°	65	24
RBEZHCIRCLEB	Black	Round half circle	3000K	45°	28	10
RBEZHCIRCLES	Satin Chrome	Round half circle	3000K	45°	28	10
RBEZHCIRCLEW	White	Round half circle	3000K	45°	28	10
RBEZSLOTB	Black	Round slot	3000K	30°	28	10
RBEZSLOTW	White	Round slot	3000K	30°	28	10
RBEZSLOTWS	Satin Chrome	Round slot	3000K	30°	28	10
SBEZCIRCLEB	Black	Square circle	3000K	45°	65	24
SBEZCIRCLES	Satin Chrome	Square circle	3000K	45°	65	24
SBEZCIRCLEW	White	Square circle	3000K	45°	65	24
SBEZHCIRCLEB	Black	Square half circle	3000K	45°	28	10
SBEZHCIRCLES	Satin Chrome	Square half circle	3000K	45°	28	10
SBEZHCIRCLEW	White	Square half circle	3000K	45°	28	10
SBEZSLOTB	Black	Square slot	3000K	30°	28	10
SBEZSLOTW	White	Square slot	3000K	30°	28	10
SBEZSLOTWS	Satin Chrome	Square slot	3000K	30°	28	10





# WL041IP

Straight to mains, fan effect LED wall light

## Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	No
Rotatable	No
Dimmable option	No
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

## Installation information

Cut out size (mm)	N/A
Bathroom zone	2
Inrush current	9A 0.8ms
Construction material	Anodised aluminium
Weight	0.3kg
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	1

## Photometrics @ 25°C

Product code	Finish	W	CCT	lm	lm/W	Energy
WL041 IP WW	Silver	1.6W	3000K	33	21	

Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	0.3m
Type of wiring required	Parallel

## Accessories

N/A (No Accessories required)
-------------------------------

## Decorative Lighting



1.6W



Coastal protected



IP65 ideal for outdoor environments

## Guarantee

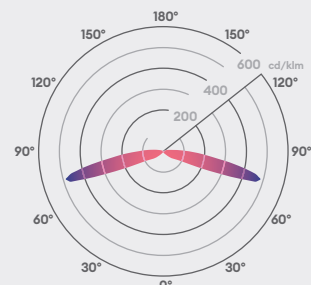
7 years

## Features & benefits

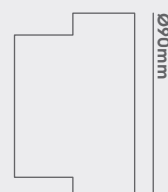
Unique radial appearance creates a decorative lit effect on surrounding surfaces

Straight to mains for easy installation

Complete with bracket and waterproof crimp connectors



60mm



## Decorative Lighting



Coastal protected



1W at 350mA



IP68 ideal for outdoor areas and extreme weather

### Guarantee

7 years

### Features & benefits

Small & discreet decorative recessed LED light

Perfect for discreet decorative light in interior and exterior applications



## ML01

Decorative LED mini light

### Features

IP rating	IP68
CSP switchable	Single CCT
Tilttable	No
Rotatable	No
Dimmable option	Driver dependent
Input	350mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	26
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	50g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Finish	W	CCT	lm	lm/W	Energy
ML01 27	Silver	1W	2700K	3.5	3.5	
ML01 WW	Silver	1W	3000K	3.6	3	
ML01 NW	Silver	1W	4000K	4	4	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m (0.205mm <sup>2</sup> red & black PTFE)
Type of wiring required	Series

### Recommended LED drivers

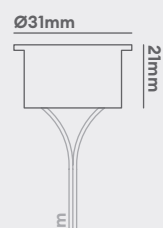
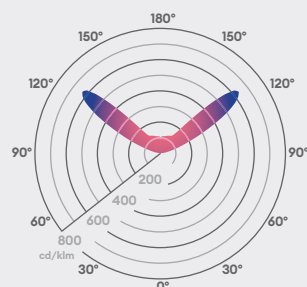
See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	4-14
PSIP3509W	220-240V	Yes	No	0	1-8

### Accessories

CR135	PTFE cable	Sold Separately
UY2 CONNECTOR	Quick waterproof connector	Sold Separately

323







## LED LYTE IP

IP rated mini LED light

### Features

IP rating	IP65
CSP switchable	Single CCT
Tilttable	No
Rotatable	No
Dimmable option	Driver dependent
Input	350mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	26
Bathroom zone	1
Inrush current	N/A
Construction material	Anodised aluminium
Weight	44g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Finish	W	CCT	Beam angle	lm	lm/W	Energy
LED LYTE IP 27	Silver	1W	2700K	110°	58	58	A F
LED LYTE IP NW	Silver	1W	4000K	110°	82	82	A F
LED LYTE IP WW	Silver	1W	3000K	110°	63	63	A F

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m (0.205mm <sup>2</sup> red & black PTFE)
Type of wiring required	Series

### Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	4-14
PSIP3509W	220-240V	Yes	No	1	1-8

### Accessories

LED LYTE 1M EXT	1m Plug & Play extension lead	Sold Separately	99
LED LYTE 6 WAY EXT	6-way 1m Plug & Play extension lead	Sold Separately	99

## Decorative Lighting



Quick and easy installation with plug and play connector



Coastal protected



IP65 ideal for outdoor areas

### Guarantee

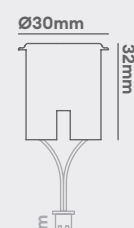
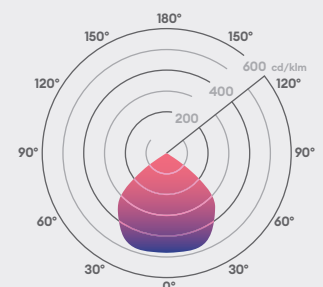
7 years

### Features & benefits

Small & discreet

Ideal for decorative lighting

### Beam angle: 110°



## Decorative Lighting



Quick and easy installation with plug and play connector



Coastal protected



IP65 ideal for outdoor areas

### Guarantee

7 years

### Features & benefits

Small & discreet

Thread and nut for secure fitting



## LED LYTE IP T

IP rated threaded mini LED light

### Features

IP rating	IP65
CSP switchable	Single CCT
Tilttable	No
Rotatable	No
Dimmable option	Driver dependent
Input	350mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	26
Bathroom zone	1
Inrush current	N/A
Construction material	Anodised aluminium
Weight	44g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Finish	W	CCT	Beam angle	lm	lm/W	Energy
LED LYTE IP T NW	Silver	1W	4000K	110°	82	82	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m (0.205mm <sup>2</sup> red & black PTFE)
Type of wiring required	Series

### Recommended LED drivers

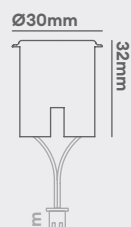
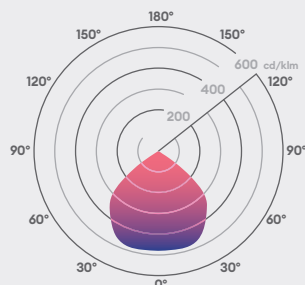
See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	4-14
PSIP3509W	220-240V	Yes	No	1	1-8

### Accessories

LED LYTE 1M EXT	1m Plug & Play extension lead	Sold Separately	<b>99</b>
LED LYTE 6 WAY EXT	6-way 1m Plug & Play extension lead	Sold Separately	<b>99</b>

Beam angle: 110°



# LED Lyte accessories

## Choose the ideal cable for LED Lyte

Connect your LED Lyte to a PLU/PP/350 1-9 driver.

### Choose the ideal cable

	LED LYTE 1M EXT	LED LYTE 6 WAY EXT
Accessory on its own		

### Product codes

Product Code	Description	Cable / flying lead	Guarantee
LED LYTE 1M EXT	1m extension lead (plug & play)	1m (0.205mm² red & black PTFE)	1 year extended warranty
LED LYTE 6 WAY EXT	6-way 1m extension lead lead (plug & play)	1m (0.205mm² red & black PTFE)	1 year extended warranty

### Compatible with

	LED Lyte IP Page 97	LED Lyte IPT Page 98
LED LYTE 1M EXT	<div></div>	<div></div>
LED LYTE 6 WAY EXT	<div></div>	<div></div>

# Track Lighting





# Choosing the ideal track & components

## For your installation

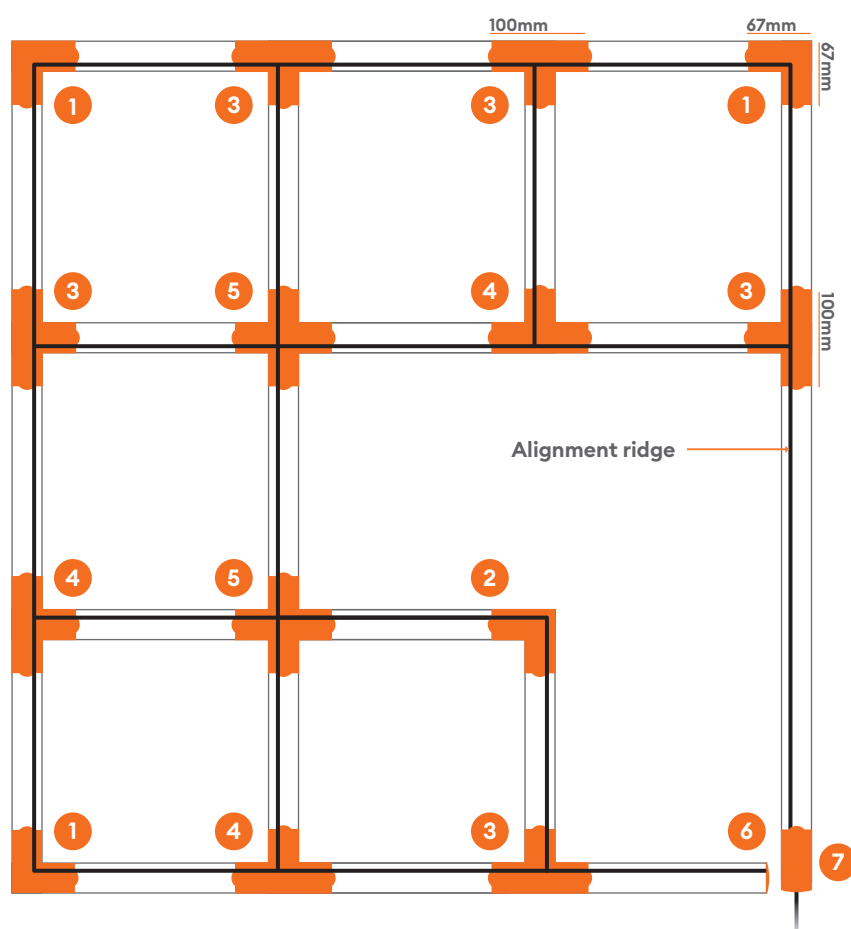
Using the below information, create the ideal grid for your track lighting.

Home interiors are constantly evolving. The flexible nature of track lighting ensures that the area within the home will remain beautifully lit wherever the fitting are positioned. The lighting can be moved along a purpose-built grid with the ability to rotate and tilt, ensuring ultimate flexibility.

### Grid - example

When building a grid, it's important to consider where the majority of your area will be lit.

All of our track spot lighting rotates 350°, and tiltable by 90°.



#### 1 L 90° - Inside connector

Use for corners.  
See next page



#### 2 L 90° - outside connector

Use for corners.  
See next page



#### 3 T - connector left

Use to create a  
T-junction.  
See next page



#### 4 T - connector right

Use to create a  
T-junction.  
See next page



#### 5 X - connector

Use to join a  
cross section.  
See next page



#### 6 End cap

Completes the  
track.  
See next page



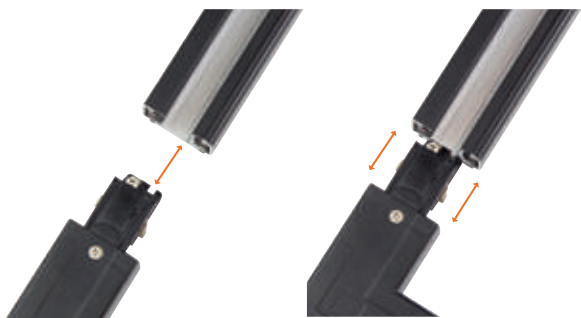
#### Power connector right

Connects the  
grid to the  
mains.  
See next page



## Alignment ridge

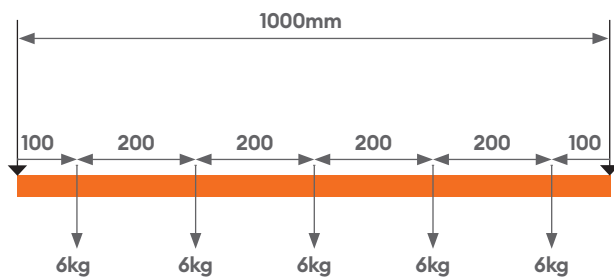
It is important when selecting your connectors for your track, that you ensure the alignment ridge lines up from connector to track.



## Surface track load

The three-circuit connection allows a total current of 16A.

A rail can support a load of 6kg/200mm with a max distance of 1.00m between fixing points, or a load of 3kg/200mm with a max distance of 2.00m between fixing points.



## Track extensions

Track fixtures are available in 1m and 2m lengths. These can be cut shorter or increased using extensions, such as:

### Joint connector

Extend sections of track using a joint connector. It sits concealed within the track, without adding extra length, for a neat and tidy finish.



### Power connector central

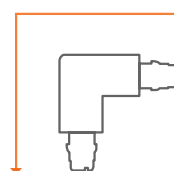
The power connector central feed adds 99mm length to the track. Allows the mains to be fed from the middle of a straight track.



## Corner components

To increase the flexibility of the grid, use 90° corner connectors, available as inside or outside options

### Fixed 90° corner



## CCT switchable

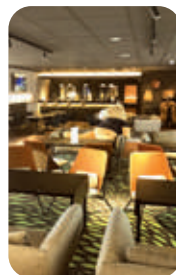
### One light, three CCT temperatures

Our range of colour switchable track light allows you to stock 3 colour temperatures in 1 product; 2700K, 3000K & 4000K).

#### Advantages

- Simpler product range.
- Products can be adjusted after they are installed.

#### 2700K



#### 3000K



#### 4000K



## 5 year warranty

Offering a five-year warranty, you can be assured of our commitment to quality.



## IP20 rating





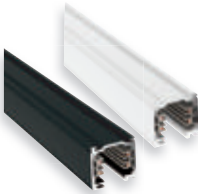



IP20 rated suitable for indoor applications.



# Choosing the ideal track & components

## For your installation

Using the table below, determine which components you'll require for your installation.

Mounting options	Choose your Track	Choose your power connectors and end caps At least one power connector feed and an end cap are essential
<b>Ceiling mount kit</b> Black: TR23530 White: TR23531 	<b>1m Surface track</b> Black: TR22030 White: TR22031 	<b>Power connector left</b> Black: TR22430 White: TR22431 
<b>Suspension mount kit 500cm</b> Black: TR23630 White: TR23631 	<b>2m Surface track</b> Black: TR22130 White: TR22131 	<b>Power connector right</b> Black: TR22330 White: TR22331 
		<b>Power connector central</b> Black: TR22530 White: TR22531 
		<b>End cap</b> Black: TR23730 White: TR23731 

### Choose the appropriate connectors for your grid

It is important when selecting your connectors for your track, that you ensure the alignment ridge lines up from connector to track.

#### 90° Connector inside

Black: TR22830  
White: TR22831



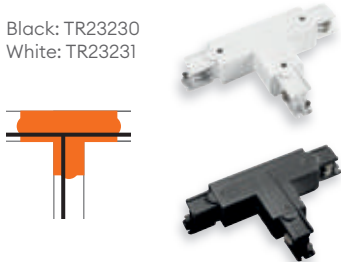
#### 90° Connector outside

Black: TR22930  
White: TR22931



#### T Connector left

Black: TR23230  
White: TR23231



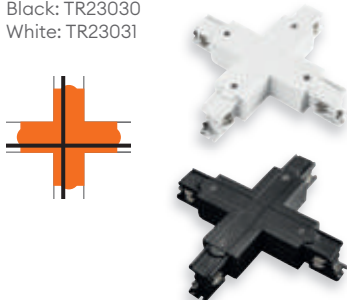
#### T Connector right

Black: TR23130  
White: TR23131



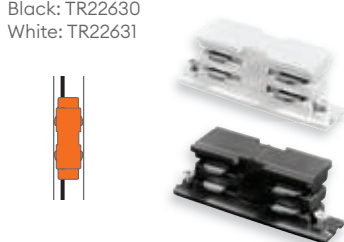
#### X Connector

Black: TR23030  
White: TR23031



#### Joint connector

Black: TR22630  
White: TR22631



### Cover plates for concealing components

#### 90° Cover plate

Black: TR23830  
White: TR23831











# AUREA 3 T

Spotlight for accent lighting

## Features

IP rating	IP20
CSP switchable	Switchable CCT
Tiltable	90°
Rotation angle	350°
Dimmable option	Yes
Input	220-240V AC
LED lifetime	L80 50,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

## Installation information

Inrush current	1.6A 37μs
Construction material	Aluminium
Weight	410g
Maximum ambient temperature	-20°C - 45°C
Building regulations	Part P & L
Electric class (1, 2, 3)	1
Mounting options	On Track

## Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	lm	lm/W	Energy
TR43305	Black	6W	2700K	38°	500	83	
			3000K	38°	520	87	
			4000K	38°	550	92	
TR43330	White	6W	2700K	38°	500	83	
			3000K	38°	520	87	
			4000K	38°	550	92	

Energy rating is a reflection of the LED light source.

## Wiring information

Cable required for connector	N/A
Type of wiring required	Parallel

## Accessories

C051710	3-Circuit Aurea Spot Champagne Sleeve Cover	Sold Separately
C051777	3-Circuit Aurea Spot Rose Sleeve Cover	Sold Separately
	Track range and accessories	Sold Separately

## Track Lights

Colour switchable between 2700K 3000K and 4000K

IP20 for use internally

CRI 90 providing true colour appearance

## Guarantee

5 years

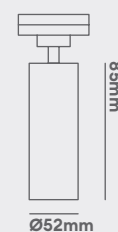
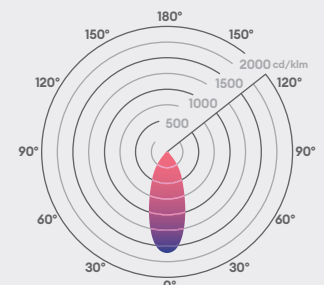
## Features & benefits

A medium beam angle of 38° for a more focused light

Long lifetime of 50,000hrs

For use with 3 Circuit Track

Beam angle: 38°







## AUREA 3 TP

Pendant light for accent lighting

### Features

IP rating	IP20
CSP switchable	Switchable CCT
Tiltable	No
Rotation angle	No
Dimmable option	Yes
Input	220-240V AC
LED lifetime	L80 50,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

### Installation information

Inrush current	1.6A 37μs
Construction material	Aluminium
Weight	620g
Maximum ambient temperature	-20°C - 45°C
Building regulations	Part P & L
Electric class (1, 2, 3)	1
Mounting options	On Track

### Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	lm	lm/W	Energy
TR43405	White	6W	2700K	38°	500	83	
			3000K	38°	520	87	
			4000K	38°	550	92	
TR43430	Black	6W	2700K	38°	500	83	
			3000K	38°	520	87	
			4000K	38°	550	92	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable required for connector	N/A
Type of wiring required	Parallel

### Accessories

C051710	3-Circuit Aurea Pendant Champagne Sleeve Cover	Sold Separately
C051777	3-Circuit Aurea Pendant Rose Sleeve Cover	Sold Separately
	Track range and accessories	Sold Separately

## Track Lights

Colour switchable between 2700K 3000K and 4000K

IP20 for use internally

CRI 90 providing true colour appearance

### Guarantee

5 years

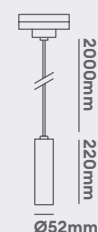
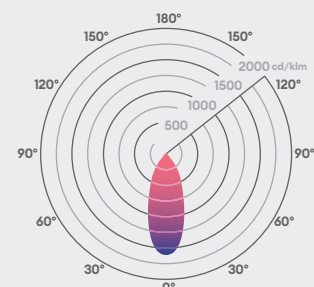
### Features & benefits

A medium beam angle of 38° for a more focused light

Long lifetime of 50,000hrs

For use with 3 Circuit Track

Beam angle: 38°














# Components

## Find the perfect components for your track

Using the table below, determine which components you'll require for your installation.

	TR23630	TR23631	TR23630	TR23630	TR22030	TR22031	TR22130
Component information							
Type	Ceiling mount kit 	Ceiling mount kit 	Suspension mount kit 	Suspension mount kit 	1m Surface track 	1m Surface track 	2m Surface track 
Product							
TR43305		•		•		•	
TR43330	•		•		•		•
TR43405		•		•		•	
TR43430	•		•		•		•
	TR22830	TR22831	TR22930	TR22931	TR23230	TR23231	TR23130
Connector information							
Type	90° Connector inside 	90° Connector inside 	90° Connector outside 	90° Connector outside 	T Connector left 	T Connector left 	T Connector right 
Product							
TR43305		•		•		•	
TR43330	•		•		•		•
TR43405		•		•		•	
TR43430	•		•		•		•

TR22131	TR22430	TR22431	TR22330	TR22331	TR22530	TR22531	TR23730	TR23731
---------	---------	---------	---------	---------	---------	---------	---------	---------

2m Surface track	Power connector left	Power connector left	Power connector right	Power connector right	Power connector central	Power connector central	End cap	End cap
								


TR23131	TR23030	TR23031	TR22630	TR22631	TR23830	TR23831
---------	---------	---------	---------	---------	---------	---------

T Connector right	X Connector	X Connector	Joint connector	Joint connector	90° Cover plate	90° Cover plate
						




# Strip Lights



# Comparing strip types

## Choosing between standard, premium, COF & neon

Our extensive range of decorative and under shelf lighting has a multitude of attractive options which are suitable for any installation.

### Flexible tape - Constant voltage

Options for indoor use.  
Flexible tape for runs up to 5m.



### Flexible tape - Current regulated

CRI 90 LED chips allow a high quality option for indoor and outdoor use.  
Flexible tape for runs up to 20m.



### Dotless strip

COF LED strip is ideal for creating long linear light patterns in indoor applications. In contrast to other types of LED strip, this “chip on flex” design creates a pure dotless appearance, where the individual chips are not visible. Flexible tape for runs up to 5m.



### Neon strip

Neon strip provides low glare with a soft and uniform light, ideal for indoor and outdoor use. Flexible profile for bending in the wall.





# Choosing LED strip

## Find the ideal strip for your installation

Take into consideration the below questions when choosing your LED strip.

### What effect strip do you need?

Strip type

#### Flexible tape

Ideal for when your strip will not be visible after installation.



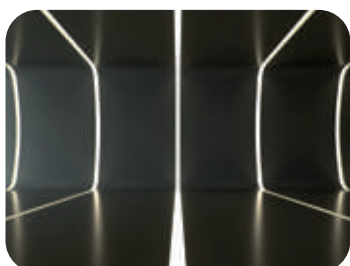
#### Dottless flexible tape

Ideal for when your strip may be visible after installation.



#### Neon bending

Ideal for creating shapes and curves in your installation.

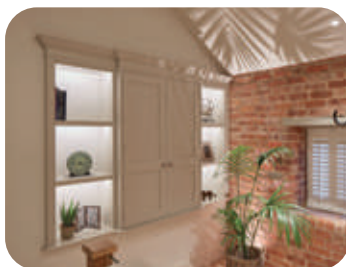


### Where are you using your LED strip?

IP rating

#### IP20 dry environments

For spaces such as living rooms and other living spaces.



#### IP44 damp environments

For indoor spaces such as kitchens, or bathrooms.



#### IP67 outdoor environments

For outdoor spaces such as gardens, façades, and under water.



### Primary or accent lighting?

Wattage

#### 4.8W accent lighting

Ideal for lighting under cabinets and kickboards.



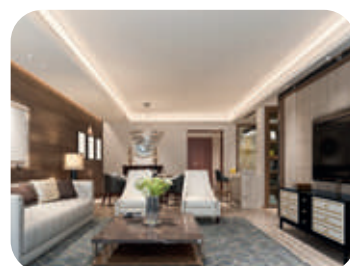
#### 9.6W atmospheric lighting

Ideal for lighting in coves to create atmosphere.



#### 14.4W/17W primary lighting

Ideal for lighting up a room using coves or exposed beams.





## Warm or cool atmosphere?

CCT

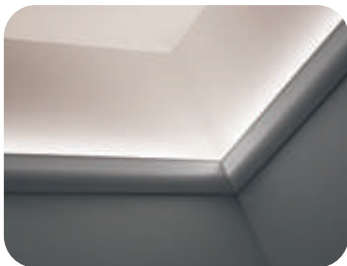
### 2700K warmest

For a warm and intimate feel, use 2700K.



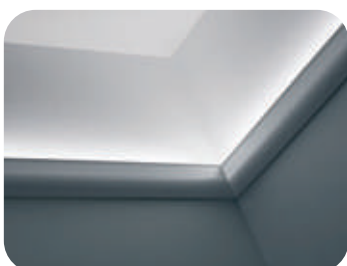
### 3000K warm

For the warmth of a halogen, use 3000K.



### 4000K neutral white

To replicate the look of daylight, use 2700K.



## What length strip do you need?

Length

### Up to 5m lengths

Constant voltage strip is ideal for lengths under 5m.



### Over 5m lengths

Current regulated strip is ideal for lengths between 5m and 20m.



## Will you need an accessories?

Accessories

### Profile

Diffuse your light and create a stylish finish with profile.



### Connectors

Connectors can be used to extend your strip and go around corners.



### Drivers

The driver will depend on the wattage and length of the strip.



# Choosing LED strip

## Find the ideal LED strip for your installation

Use the tables below to find the ideal LED strip for your installation.

### Flexible tape

(Current regulated - Up to 20m lengths)

Current regulated technology to ensure there is no loss in light output, regardless of how long the strip is or how far away the driver is.

IP rating	Wattage	Colour temperature	Length	Product code	IP rating	Wattage	Colour temperature	Length	Product code
IP20	4.8W/m	2700K	20m	<b>LSC0227200</b>	IP68	4.8W/m	2700K	20m	<b>LSC8227200</b>
			Bespoke	<b>LSC0227...</b> ▶				Bespoke	<b>LSC8227...</b> ▶
		3000K	20m	<b>LSC0230200</b>			3000K	20m	<b>LSC8230200</b>
			Bespoke	<b>LSC0230...</b> ▶				Bespoke	<b>LSC8230...</b> ▶
		4000K	20m	<b>LSC0240200</b>			4000K	20m	<b>LSC8240200</b>
			Bespoke	<b>LSC0240...</b> ▶				Bespoke	<b>LSC8240...</b> ▶
	9.6W/m	2700K	20m	<b>LSC0527200</b>		9.6W/m	2700K	20m	<b>LSC8527200</b>
			Bespoke	<b>LSC0527...</b> ▶				Bespoke	<b>LSC8527...</b> ▶
		3000K	20m	<b>LSC0530200</b>			3000K	20m	<b>LSC8530200</b>
			Bespoke	<b>LSC0530...</b> ▶				Bespoke	<b>LSC8530...</b> ▶
		4000K	20m	<b>LSC0540200</b>			4000K	20m	<b>LSC8540200</b>
			Bespoke	<b>LSC0540...</b> ▶				Bespoke	<b>LSC8540...</b> ▶
	14.4W/m	2700K	10m	<b>LSC0427100</b>		14.4W/m	2700K	10m	<b>LSC8427100</b>
			Bespoke	<b>LSC0427...</b> ▶				Bespoke	<b>LSC8427...</b> ▶
		3000K	10m	<b>LSC0430100</b>			3000K	10m	<b>LSC8430100</b>
			Bespoke	<b>LSC0430...</b> ▶				Bespoke	<b>LSC8430...</b> ▶
		4000K	10m	<b>LSC0440100</b>			4000K	10m	<b>LSC8440100</b>
			Bespoke	<b>LSC0440...</b> ▶				Bespoke	<b>LSC8440...</b> ▶
	17W/m	2700K	10m	<b>LSC0627100</b>		17W/m	2700K	10m	<b>LSC8627100</b>
			Bespoke	<b>LSC0627...</b> ▶				Bespoke	<b>LSC8627...</b> ▶
		3000K	10m	<b>LSC0630100</b>			3000K	10m	<b>LSC8630100</b>
			Bespoke	<b>LSC0630...</b> ▶				Bespoke	<b>LSC8630...</b> ▶
		4000K	10m	<b>LSC0640100</b>			4000K	10m	<b>LSC8640100</b>
			Bespoke	<b>LSC0640...</b> ▶				Bespoke	<b>LSC8640...</b> ▶

To finish your bespoke code, see bespoke lengths table.

## Flexible tape

(Constant voltage - Up to 5m lengths)

Constant voltage, making it the perfect solution for shorter distances as there will be no loss of light output up to 5m.

IP rating	Wattage	Colour temperature	Length	Product code
IP20	4.8W/m	2700K	5m	LSV0227050
			50m	LSV0227500
			Bespoke	LSV0227... ▶
		3000K	5m	LSV0230050
			50m	LSV0230500
			Bespoke	LSV0230... ▶
		4000K	5m	LSV0240050
			50m	LSV0240500
			Bespoke	LSV0240... ▶
	9.6W/m	2700K	5m	LSV0527050
			50m	LSV0527500
			Bespoke	LSV0527... ▶
		3000K	5m	LSV0530050
			50m	LSV0530500
			Bespoke	LSV0530... ▶
		4000K	5m	LSV0540050
			50m	LSV0540500
			Bespoke	LSV0540... ▶
IP44	4.8W/m	2700K	5m	LSV4227050
			Bespoke	LSV4227... ▶
		3000K	5m	LSV4230050
			Bespoke	LSV4230... ▶
		4000K	5m	LSV4240050
			Bespoke	LSV4240... ▶
	9.6W/m	2700K	5m	LSV4527050
			Bespoke	LSV4527... ▶
		3000K	5m	LSV4530050
			Bespoke	LSV4530... ▶
		4000K	5m	LSV4540050
			Bespoke	LSV4540... ▶

## Bespoke lengths

Add the below 3 digits to the end of your bespoke product code to get the exact length you need

### Constant voltage:

Constant voltage strip is available in bespoke lengths up to 5m.

### Current regulated:

Current regulated strip is available in bespoke lengths up to 20m.

Product code	Length (m)	Product code	Length (m)	Product code	Length (m)	Product code	Length (m)
001	0.1	051	5.1	101	10.1	151	15.1
002	0.2	052	5.2	102	10.2	152	15.2
003	0.3	053	5.3	103	10.3	153	15.3
004	0.4	054	5.4	104	10.4	154	15.4
005	0.5	055	5.5	105	10.5	155	15.5
006	0.6	056	5.6	106	10.6	156	15.6
007	0.7	057	5.7	107	10.7	157	15.7
008	0.8	058	5.8	108	10.8	158	15.8
009	0.9	059	5.9	109	10.9	159	15.9
010	1	060	6	110	11	160	16
011	1.1	061	6.1	111	11.1	161	16.1
012	1.2	062	6.2	112	11.2	162	16.2
013	1.3	063	6.3	113	11.3	163	16.3
014	1.4	064	6.4	114	11.4	164	16.4
015	1.5	065	6.5	115	11.5	165	16.5
016	1.6	066	6.6	116	11.6	166	16.6
017	1.7	067	6.7	117	11.7	167	16.7
018	1.8	068	6.8	118	11.8	168	16.8
019	1.9	069	6.9	119	11.9	169	16.9
020	2.0	070	7	120	12.0	170	17
021	2.1	071	7.1	121	12.1	171	17.1
022	2.2	072	7.2	122	12.2	172	17.2
023	2.3	073	7.3	123	12.3	173	17.3
024	2.4	074	7.4	124	12.4	174	17.4
025	2.5	075	7.5	125	12.5	175	17.5
026	2.6	076	7.6	126	12.6	176	17.6
027	2.7	077	7.7	127	12.7	177	17.7
028	2.8	078	7.8	128	12.8	178	17.8
029	2.9	079	7.9	129	12.9	179	17.9
030	3	080	8	130	13	180	18
031	3.1	081	8.1	131	13.1	181	18.1
032	3.2	082	8.2	132	13.2	182	18.2
033	3.3	083	8.3	133	13.3	183	18.3
034	3.4	084	8.4	134	13.4	184	18.4
035	3.5	085	8.5	135	13.5	185	18.5
036	3.6	086	8.6	136	13.6	186	18.6
037	3.7	087	8.7	137	13.7	187	18.7
038	3.8	088	8.8	138	13.8	188	18.8
039	3.9	089	8.9	139	13.9	189	18.9
040	4	090	9	140	14	190	19
041	4.1	091	9.1	141	14.1	191	19.1
042	4.2	092	9.2	142	14.2	192	19.2
043	4.3	093	9.3	143	14.3	193	19.3
044	4.4	094	9.4	144	14.4	194	19.4
045	4.5	095	9.5	145	14.5	195	19.5
046	4.6	096	9.6	146	14.6	196	19.6
047	4.7	097	9.7	147	14.7	197	19.7
048	4.8	098	9.8	148	14.8	198	19.8
049	4.9	099	9.9	149	14.9	199	19.9
050	5	100	10	150	15	200	20.0

# Choosing Dotless & Neon strip

## Find the ideal LED strip for your installation

Most LED strip will have visible dots of light where the chips are, but our dotless and neon strip shows a clean smooth line of light for a premium look.

### Dotless (COF)

Flexible and adaptable. Ideal for various applications.

IP rating	Wattage	Colour temperature	Length	Product code
IP20	8W/m	2700K	5m	LSFA27050
		3000K	5m	LSFA30050
		4000K	5m	LSFA40050

### Dotless (LSP)

Flexible and adaptable. Ideal for various applications.

IP rating	Wattage	Colour temperature	Length	Product code
IP20	14W/m	2700K	5m	LSP195027
		3000K	5m	LSP205030
		4000K	5m	LSP225040

### Neon (side bending)

Ideal for flat surfaces with a curved line of light.

Bend direction	IP rating	Wattage	Colour temperature	Length	Product code
Side	IP67	6.5W/m	2700K	3m	LSNS7327030
				5m	LSNS7327050
				10m	LSNS7327100
			3000K	3m	LSNS7330030
				5m	LSNS7330050
				10m	LSNS7330100
			4000K	3m	LSNS7340030
				5m	LSNS7340050
				10m	LSNS7340100
		9.6W/m	2700K	3m	LSNS7327030
				5m	LSNS7327050
				10m	LSNS7327100
			3000K	3m	LSNS7330030
				5m	LSNS7330050
				10m	LSNS7330100
			4000K	3m	LSNS7340030
				5m	LSNS7340050
				10m	LSNS7340100

### Neon (top bending)

Ideal for flat surfaces with a curved line of light.

Bend direction	IP rating	Wattage	Colour temperature	Length	Product code
Top	IP67	6.5W/m	2700K	3m	LSNT7327030
				5m	LSNT7327050
				10m	LSNT7327100
			3000K	3m	LSNT7330030
				5m	LSNT7330050
				10m	LSNT7330100
			4000K	3m	LSNT7340030
				5m	LSNT7340050
				10m	LSNT7340100
		9.6W/m	2700K	3m	LSNT7327030
				5m	LSNT7327050
				10m	LSNT7327100
			3000K	3m	LSNT7330030
				5m	LSNT7330050
				10m	LSNT7330100
			4000K	3m	LSNT7340030
				5m	LSNT7340050
				10m	LSNT7340100

# Choosing LED strip profile

Find the ideal profile for your installation

Use the matrix to find the perfect profile for your LED strip

	RP7	RP28	SM7	SM28	C07	LSPLA21314	LSNS1217MPC	LSNS1217MAL	LSNS1217PPC	LSNS1217PAL	LSNS1217PFL	LSNTT1312MPC	LSNTT1312MAL	LSNTT1312PPC	LSNTT1312PAL	LSNTT1312PFL
Profile information																
Mount	Recessed	Recessed	Surface mount	Surface mount	Corner	Plaster-in	Surface mount	Surface mount	Surface mount	Surface mount	Surface mount	Surface mount	Surface mount	Surface mount	Surface mount	Surface mount
Type	Straight	Straight	Straight	Straight	Straight	Straight	Clip	Clip	Straight	Straight	Side bending	Clip	Clip	Straight	Straight	Top bending
Depth	7mm	28mm	7mm	28mm	7mm	10mm	19mm	28mm	19mm	28mm	12mm	15mm	19mm	15mm	19mm	14mm
Length	1m / 2m	1m / 2m	1m / 2m	1m / 2m	1m / 2m	2m	-	-	1m	1m	-	-	-	1m	1m	-
Flexible tape - Constant voltage																
LSV02	•	•	•	•	•											
LSV05	•	•	•	•	•											
LSV42	•	•	•	•	•											
LSV45	•	•	•	•	•											
SP50	•	•	•	•	•											
SP54	•	•	•	•	•											
Flexible tape - Current regulated																
LSC02	•	•	•	•	•											
LSC04	•	•	•	•	•											
LSC05	•	•	•	•	•											
LSC06	•	•	•	•	•											
LSC82		•		•												
LSC84		•		•												
LSC85		•		•												
LSC86		•		•												
Dotless																
LSFA	•	•	•	•	•											
LSP	•	•	•	•		•										
Neon strip																
LSNS73							•	•	•	•	•					
LSNS75							•	•	•	•	•					
LSNT73												•	•	•	•	•
LSNT75												•	•	•	•	•



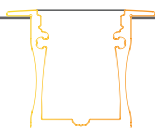
# Choosing profile for LED strip

## Find the ideal profile for your installation

We recommend housing your LED strip in a profile to provide a clean, flat surface and professional finish.

### Recessed profile


Ideal for recessing into walled material to blend seamlessly and create flat surfaces.



#### RP7

7mm deep recessed anodised aluminium profile and translucent diffuser (not compatible with IP68 LED Strip)

Product code	2m: RP7020
Construction material	Anodised aluminium & plastic diffuser
Guarantee	1 year


Accessories (supplied with profile)	
RP7ECA / RP7ECB End cap	



#### RP28

28mm deep recessed anodised aluminium profile and translucent diffuser

Product code	1m: RP28010   2m: RP28020
Construction material	Anodised aluminium & plastic diffuser
Guarantee	1 year

Accessories (supplied with profile)	
End cap	

### Surface-mount




Perfect for use in ceiling voids, shelves and under cabinets to create a clean and effective installation.



#### SM7

7mm slim surface-mount anodised aluminium profile and translucent diffuser (not compatible with IP68 LED Strip)

Product code	1m: SM7010   2m: SM7020
Construction material	Anodised aluminium & plastic diffuser
Guarantee	1 year



Accessories (supplied with profile)		Accessories (sold separately)
RP7ECA / RP7ECB End cap	SM7MA Mounting bracket	SM7LC Linear connector
		



#### SM28

28mm deep surface-mount anodised aluminium profile and translucent diffuser

Product code	1m: SM28010   2m: SM28020
Construction material	Anodised aluminium & plastic diffuser
Guarantee	1 year

Accessories (supplied with profile)	
SM28ECA End cap	SM28MB Mounting bracket
	

## 7mm deep profile

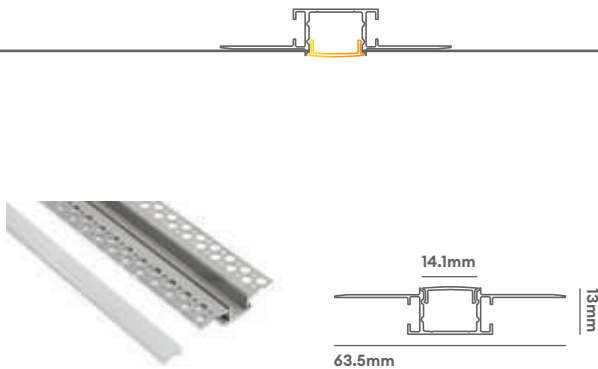
A thinner, recessed profile will fit into thinner materials. Using a slimmer, surface-mount profile allows for a more discreet output when surface mounted.

## 28mm deep profile

Using a deeper profile will result in a diffused light, creating a softer ambiance.

## Plaster in profile

These are perfect for plastered surfaces, fix in place before the plastering has been done, leaving a seamless flat surface.



### LSPLA21314

2m, 10mm deep Plaster in profile & opal diffuser for LSP strip

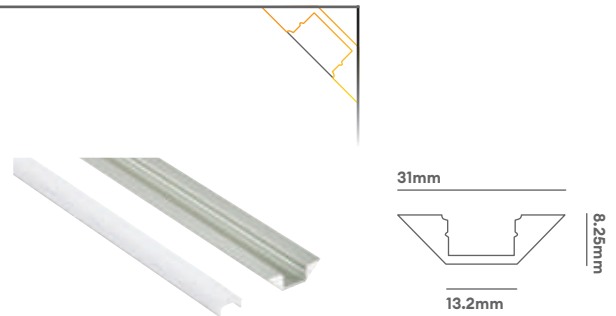
Product code	LSPLA21314
Construction material	Anodised aluminium & plastic diffuser
Guarantee	1 year

#### Accessories (supplied with profile)

4 x End caps

## Surface-mount corner profile

Ideal for installing into a 90° corner, which is ideal for use under shelving and cabinets for a seamless installation.



### CO7

45° slim surface-mount corner anodised aluminium profile and translucent diffuser (not compatible with IP68 LED Strip)

Product code	1m: CO7010   2m: CO7020
Construction material	Anodised aluminium & plastic diffuser
Guarantee	1 year

#### Accessories (sold separately)

CO7ECA / CO7ECB  
End cap



CO7MB  
Mounting bracket



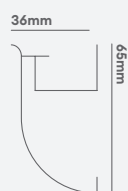
## LED cove packs

Cove packs are a great way to illuminate a room by reflecting light off of a ceiling.

Product code	LED COVE PACK
Construction material	Plastic
Guarantee	1 year

#### Accessories (supplied with profile)

LED cove clip  
Fixing clip



### Why choose a cove pack?

Using a cove pack helps to create a sleek and contemporary finish when directing light from LED strip on to the ceiling. Creates a striking wash of light up the wall as well as light hitting the ceiling.

This paintable, plastic coving is a complete housing for the quickest installation of an illuminated LED coving. An upper channel holds a flexible lighting strip and a lower, concealed channel directs all the cabling. Available in 1m lengths.

# Profile for neon side bending strip

Find the perfect profile for your neon strip

Use a profile to mount your neon strip to a surface.

## Fixed straight

Ideal for surface mounting and creating straight lines



### LSNS1217PPC

Side bending Neon strip polycarbonate profile

Product code	1m: LSNS1217PPC
Construction material	Polycarbonate
Dimensions	15 x 19 x 1000mm
Guarantee	3 year



### LSNS1217PAL

Side bend Neon strip aluminum profile, with cove for cable underneath the strip

Product code	1m: LSNS1217PAL
Construction material	Aluminium
Dimensions	15 x 25 x 1000mm
Guarantee	3 year

## Side bending

Ideal for surface mounting and creating curved shapes



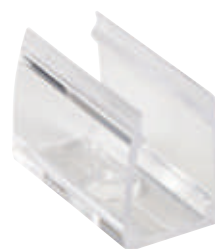
### LSNS1217PFL

Side bending Neon strip flexible profile

Product code	0.5m: LSNS1217PFL
Construction material	Aluminium
Dimensions	28 x 12 x 500mm
Guarantee	3 year

## Clips

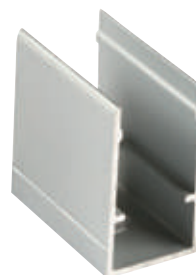
All purpose surface mounting clips



### LSNS1217MPC

Side bending Neon strip polycarbonate clip  
**Install every 33cm**

Product code	1m: LSNS1217MPC
Construction material	Polycarbonate
Dimensions	15 x 19 x 1000mm
Guarantee	3 year



### LSNS1217MAL

Side bending Neon strip aluminum clip, with cove for cable underneath strip  
**Install every 33cm**

Product code	1m: LSNS1217MAL
Construction material	Aluminium
Dimensions	15 x 19 x 1000mm
Guarantee	3 year

# Profile for neon top bending strip

Find the perfect profile for your neon strip

Use a profile to mount your neon strip to a surface.

## Fixed straight

Ideal for surface mounting and creating straight lines



### LSNT1312PPC

Top bending Neon strip polycarbonate profile

Product code	1m: LSNT1312PPC
Construction material	Polycarbonate
Dimensions	15 x 15 x 1000mm
Guarantee	3 years



### LSNT1312PAL

Top bend Neon strip aluminum profile, with cove for cable underneath the strip

Product code	1m: LSNT1312PAL
Construction material	Aluminium
Dimensions	15 x 19 x 1000mm
Guarantee	3 year

## Top bending

Ideal for surface mounting and creating curved shapes



### LSNT1312PFL

Top bending Neon strip flexible profile

Product code	50cm: LSNT1312PFL
Construction material	Aluminium
Dimensions	14 x 14 x 500mm
Guarantee	3 year

## Clips

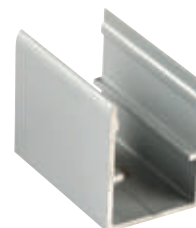
All purpose surface mounting clips



### LSNT1312MPC

Top bending Neon strip polycarbonate clip  
**Install every 33cm**

Product code	1m: LSNT1312MPC
Construction material	Polycarbonate
Dimensions	15 x 15 x 25mm
Guarantee	3 year



### LSNT1312MAL

Top bending Neon strip aluminum clip, with cove for cable underneath strip  
**Install every 33cm**

Product code	1m: LSNT1312MAL
Construction material	Aluminium
Dimensions	15 x 19 x 25mm
Guarantee	3 year

# Choosing LED strip connectors

## Find the ideal connectors for your strip

Use the matrix to find the perfect connectors for your LED strip

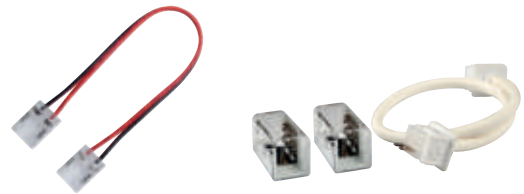
### Strip to strip

Strip to strip connectors connect one end of the strip directly to another end of strip creating an almost seamless transition from one piece of strip to the next.



### Strip to strip with fly-leads

Connect one piece of strip to another with the flexibility of having fly-leads between them.



	LSK2208SS	LSK2208SD	LSK2208FB	LSK2208LB	LSK2210SS	LSK2210SD	LSK2210FB	LSK2210LB	LSAFC122	LSAFC5122	LSAFD82	LSAFD82 with LSAD82F
Connector information												
Type	Strip to strip	Strip to driver	Flex bend	L bend	Strip to strip	Strip to driver	Flex bend	L bend	Strip to strip	150mm fly-lead	Strip to strip	Strip to strip 150mm fly-lead
Flexible tape - Constant voltage												
LSV02	●	●	●	●								
LSV05	●	●	●	●								
LSV42												
LSV45												
Flexible tape - Current regulated												
LSC02					●	●	●	●				
LSC04									●	●		
LSC05									●	●		
LSC06									●	●		
LSC82												
LSC84												
LSC85												
LSC86												
Dotless												
LSFA											●	●
LSP					●	●	●	●				
Neon strip												
LSNS73												
LSNS75												
LSNT73												
LSNT75												





## Fly-leads

Use a connector that adds fly-leads to your strip to connect your strip to a power supply.



## End cap

This is needed at the end of neon strip to complete the circuit.



## L bend

Perfect for connecting strip directly to strip on a corner.



LSNS1217B2P

LSNS1217E2P

LSNS1217L2P

LSNS1217R2P

LSNS1217SSF

LSNS1217SS

LSNS1217EC

LSNT1312B2P

LSNT1312E2P

LSNT1312L2P

LSNT1312R2P

LSNT1312SSF

LSNT1312SS

LSNT1312EC

150mm fly-lead at bottom	150mm fly-lead at end	150mm fly-lead at left	150mm fly-lead at right	Strip to strip 150mm fly-lead	Strip to strip	End cap	150mm fly-lead at bottom	150mm fly-lead at end	150mm fly-lead at left	150mm fly-lead at right	Strip to strip 150mm fly-lead	Strip to strip	End cap





# Choosing drivers for LED strip

## Find the ideal driver for your strip

Use the matrix to find the perfect driver for your LED strip

	PS1524	PS3024B	PSMD3024	LSD6024
Driver information				
Constant current or Constant voltage	CV	CV	CV	CV
Output classification	24V	24V	24V	24V
IP rating	IP20	IP20	IP20	IP20
Dimmable	1-10V*	1-10V*	Mains	1-10V*
DIN rail mount	No	No	No	No
Plug & Play	No	No	No	No
*Requires a PDCINT1-10V interface to make it 1 - 10V dimmable				
Flexible tape - Constant voltage				
LSV02	3.1m	6.2m	3.8-6.2m	12.5m
LSV05	1.5m	3.1m	1.9-3.1m	6.2m
LSV42	3.1m	6.2m	3.8-6.2m	12.5m
LSV45	1.5m	3.1m	1.9-3.1m	6.2m
Flexible tape - Current regulated				
LSC02	3.1m	6.2m	3.8-6.2m	12.5m
LSC04	1m	2m	1.3-2m	4.1m
LSC05	1.5m	3.1m	1.9-3.1m	6.2m
LSC06	0.8m	1.7m	1.1-1.7m	3.5m
LSC82	3.1m	6.2m	3.8-6.2m	12.5m
LSC84	1m	2m	1.3-2m	4.1m
LSC85	1.5m	3.1m	1.9-3.1m	6.2m
LSC86	0.8m	1.7m	1.1-1.7m	3.5m
Dotless				
LSFA	1.8m	3.7m	2.3-3.7m	7.5m
LSP	1m	2.1m	1.3-2.1m	4.2m
Neon strip				
LSNS73	2.3m	4.6m	2.8-4.6m	9.2m
LSNS75	1.5m	3.1m	1.9-3.1m	6.2m
LSNT73	2.3m	4.6m	2.8-4.6m	9.2m
LSNT75	1.5m	3.1m	1.9-3.1m	6.2m

PSDIP6024	PS7524	PSDIP10024	PSMDIP10024	LSD12024	PSIP15024	PSDAL20024	PSIP25024
CV	CV	CV	CV	CV	CV	CV	CV
24V	24V	24V	24V	24V	24V	24V	24V
IP66	IP20	IP66	IP66	IP20	IP67	IP66	IP67
1-10V	No	1-10V*	Mains	1-10V*	1-10V*	DALI	1-10V*
No	No	No	No	No	No	No	No
No	No	No	No	No	No	No	No
12.5m	15.6m	20.8m	20.8m	25m	31.2m	41.6m	52m
6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m
12.5m	15.6m	20.8m	20.8m	25m	31.2m	41.6m	52m
6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m
12.5m	15.6m	20.8m	20.8m	25m	31.2m	41.6m	52m
4.1m	5.2m	6.9m	6.9m	8.3m	10.4m	13.8m	17.3m
6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m
3.5m	4.4m	5.8m	5.8m	7m	8.8m	11.7m	14.7m
12.5m	15.6m	20.8m	20.8m	25m	31.2m	41.6m	52m
4.1m	5.2m	6.9m	6.9m	8.3m	10.4m	13.8m	17.3m
6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m
3.5m	4.4m	5.8m	5.8m	7m	8.8m	11.7m	14.7m
7.5m	9.3m	12.5m	12.5m	15m	18.7m	25m	31.2m
4.2m	5.3m	7.1m	7.1m	8.5m	10.7m	14.2m	17.8m
9.2m	11.5m	15.3m	15.3m	18.4m	23m	30.7m	38.4m
6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m
9.2m	11.5m	15.3m	15.3m	18.4m	23m	30.7m	38.4m
6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m







## LSV02

Constant voltage, self-adhesive, flexible IP20 strip

### Features

Strip type	Flexible tape
IP rating	IP20
CSP switchable	Single CCT
Bespoke lengths	Yes
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	60
Input	24V DC
LED lifetime	L70 30,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5

### Installation information

Bathroom zone	2
Construction material	Flexible tape
Maximum running length	5 m
Weight	15g per meter
Maximum ambient temperature	-20°C - 45°C
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Reel length	W	CCT	∠	lm	lm/W	Energy
LSV0227050	5 m	4.8W/m	2700K	120°	450	94	
LSV0227500	50 m	4.8W/m	2700K	120°	450	94	
LSV0230050	5 m	4.8W/m	3000K	120°	460	96	
LSV0230500	50 m	4.8W/m	3000K	120°	460	96	
LSV0240050	5 m	4.8W/m	4000K	120°	520	108	
LSV0240500	50 m	4.8W/m	4000K	120°	520	108	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm <sup>2</sup> flying lead from one end
Type of wiring required	Parallel

### Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS3024B	220-240V	Yes	Yes (with PDCINT1-10V)	Outside zones	6m Max
PS7524	220-240V	Yes	Yes (with PDCINT1-10V)	Outside zones	15m Max
PSIP15024	220-240V	Yes	Yes (with PDCINT1-10V)	Outside zones	31m Max

### Accessories

LSK2208SS / LSK2208SD / LSK2208FB / LSK2208LB	Range of fast fix connectors for use with LSV02	Sold Separately	126
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	121
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	314

## Strip Lights



Ideal for accent lighting with 4.8W/m



Ideal for living room and hallways with IP20 rating



Bespoke lengths available

### Guarantee

3 years

### Features & benefits

Excellent for accent lighting

Cut points every 100mm

Quick and easy installation with 3M self-adhesive backing

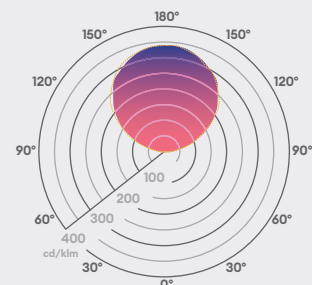
High efficacy of 108lm/W

Enlarged connection points for ease of installation

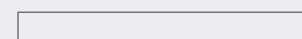
A cost-effective 50m reel box

Can be concealed in a whole range of situations offering a sleek solution to lighting features

Beam angle: 120°



5m/100mm



8mm



## Strip Lights

9.6W/m

Ideal for atmospheric lighting with 9.6W/m

IP20

Ideal for living room and hallways with IP20 rating

BESPOKE

Bespoke lengths available

### Guarantee

3 years

### Features & benefits

Excellent for accent lighting

Cut points every 50mm

Quick and easy installation with 3M self-adhesive backing

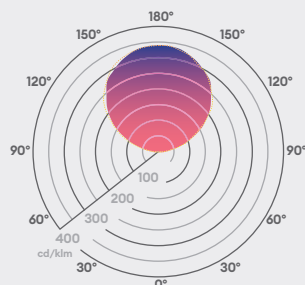
High efficacy of 108lm/W

Enlarged connection points for ease of installation

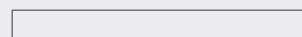
A cost-effective 50m reel box

Can be concealed in a whole range of situations offering a sleek solution to lighting features

Beam angle: 120°



5m/50mm



8mm



## LSV05

Constant voltage, self-adhesive, flexible IP20 strip

### Features

Strip type	Flexible tape
IP rating	IP20
CSP switchable	Single CCT
Bespoke lengths	Yes
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	120
Input	24V DC
LED lifetime	L70 30,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5

### Installation information

Bathroom zone	2
Construction material	Flexible tape
Maximum running length	5 m
Weight	16g per meter
Maximum ambient temperature	-20°C - 45°C
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Reel length	W	CCT	△	lm	lm/W	Energy
LSV0527050	5 m	9.6W/m	2700K	120°	900	94	
LSV0527500	50 m	9.6W/m	2700K	120°	900	94	
LSV0530050	5 m	9.6W/m	3000K	120°	930	97	
LSV0530500	50 m	9.6W/m	3000K	120°	930	97	
LSV0540050	5 m	9.6W/m	4000K	120°	1040	108	
LSV0540500	50 m	9.6W/m	4000K	120°	1040	108	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm <sup>2</sup> flying lead from one end
Type of wiring required	Parallel

### Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
LSD6024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	6m Max
LSD12024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	12m Max
PSIP25024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	26m Max

### Accessories

LSK2208SS / LSK2208SD / LSK2208FB / LSK2208LB	Range of fast fix connectors for use with LSV05	Sold Separately	126
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	121
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	314



# Strip Lights

4.8W/m

Ideal for accent lighting with 4.8W/m

IP44

Ideal for kitchen and bathroom with IP44 rating

BESPOKE

Bespoke lengths available

## Guarantee

3 years

## Features & benefits

Excellent for accent lighting

Cut points every 100mm

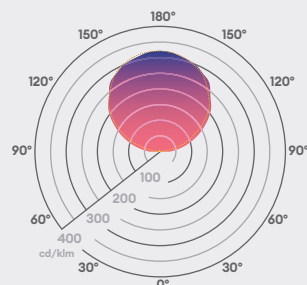
Quick and easy installation with 3M self-adhesive backing

High efficacy of 100lm/W

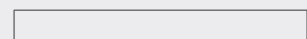
Enlarged connection points for ease of installation

Has a UV resistant, silicone coating to enable cleaning

Beam angle: 120°



5m/100mm



8mm



## LSV42

Constant voltage, self-adhesive, flexible IP44 strip

## Features

Strip type	Flexible tape
IP rating	IP44
CSP switchable	Single CCT
Bespoke lengths	Yes
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	120
Input	24V DC
LED lifetime	L70 30,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5

## Installation information

Bathroom zone	1
Construction material	Flexible tape with Silicone coating
Maximum running length	5 m
Weight	30g per meter
Maximum ambient temperature	-20°C - 45°C
Electric class (1, 2, 3)	3

## Photometrics @ 25°C

Product code	Reel length	W	CCT	△	lm	lm/W	Energy
LSV4227050	5 m	4.8W/m	2700K	120°	410	86	
LSV4230050	5 m	4.8W/m	3000K	120°	425	89	
LSV4240050	5 m	4.8W/m	4000K	120°	480	100	

Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

## Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS3024B	220-240V	Yes	Yes (with PDCINT 1-10V)	1 (If no water jets)	6m Max
PS7524	220-240V	Yes	Yes (with PDCINT 1-10V)	1 (If no water jets)	15m Max
PSIP15024	220-240V	Yes	Yes (with PDCINT 1-10V)	1 (If no water jets)	31m Max

## Accessories

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	121
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	314



## LSV45

Constant voltage, self-adhesive, flexible IP44 strip

### Features

Strip type	Flexible tape
IP rating	IP44
CSP switchable	Single CCT
Bespoke lengths	Yes
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	120
Input	24V DC
LED lifetime	L70 30,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5

### Installation information

Bathroom zone	1
Construction material	Flexible tape with Silicone coating
Maximum running length	5 m
Weight	32g per meter
Maximum ambient temperature	-20°C - 45°C
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Reel length	W	CCT	∠	lm	lm/W	Energy
LSV4527050	5 m	9.6W/m	2700K	120°	830	87	
LSV4530050	5 m	9.6W/m	3000K	120°	860	90	
LSV4540050	5 m	9.6W/m	4000K	120°	950	99	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm <sup>2</sup> flying lead from one end
Type of wiring required	Parallel

### Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
LSD6024	220-240V	Yes	Yes (with PDCINT 1-10V)	1 (If no water jets)	6m Max
LSD12024	220-240V	Yes	Yes (with PDCINT 1-10V)	1 (If no water jets)	12m Max
PSIP25024	220-240V	Yes	Yes (with PDCINT 1-10V)	1 (If no water jets)	26m Max

### Accessories

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	121
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	314

## Strip Lights

- 9.6W/m** Ideal for atmospheric light with 9.6W/m
- IP44** Ideal for kitchen and bathroom with IP44 rating
- BESPOKE** Bespoke lengths available

### Guarantee

3 years

### Features & benefits

Excellent for accent lighting

Cut points every 50mm

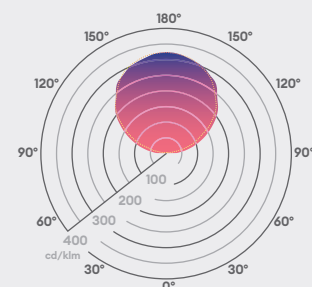
Quick and easy installation with 3M self-adhesive backing

High efficacy of 99lm/W

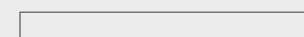
Enlarged connection points for ease of installation

Has a UV resistant, silicone coating to enable cleaning

Beam angle: 120°



5m/50mm



8mm









## LSC02

4.8 W/m, IP20, 24V current regulated, high CRI, self-adhesive, flexible strip

### Features

Strip type	Flexible tape
IP rating	IP20
CSP switchable	Single CCT
Bespoke lengths	Yes
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	60
Input	24V DC
LED lifetime	L70 60,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

### Installation information

Bathroom zone	N/A
Construction material	Flexible tape
Maximum running length	20 m
Weight	28g per meter
Maximum ambient temperature	-20°C - 45°C
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Reel length	W	CCT	Beam angle	lm	lm/W	Energy
LSC0227200	20 m	4.8W/m	2700K	120°	420	88	
LSC0230200	20 m	4.8W/m	3000K	120°	440	92	
LSC0240200	20 m	4.8W/m	4000K	120°	490	102	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm <sup>2</sup> flying lead from one end
Type of wiring required	Parallel

### Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS3024B	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	6m Max
PS7524	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	15m Max
PSIP15024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	31m Max

### Accessories

LSK2210SS / LSK2210SD / LSK2210FB / LSK2210LB	Range of fast fix connectors for use with LSC02	Sold Separately	126
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	121
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	314

## Strip Lights



Ideal for accent lighting with 4.8W/m



Ideal for living room and hallways with IP20 rating



Bespoke lengths available

### Guarantee

5 years Cutting to required length will render this product non-returnable

### Features & benefits

Cut points are every 100mm

500mm flying leads attached

Has high quality LED strip using current regulation without experiencing any light drop off

Long lengths (up to 20m) suffer no light loss

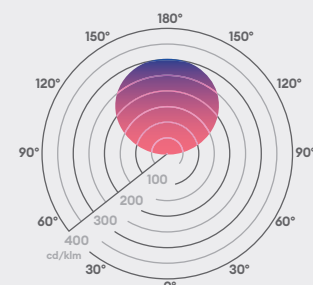
A foil backed flexible PCB, which dissipates heat (improves LED life and colour stability)

Quick and easy installation with 3M self-adhesive backing

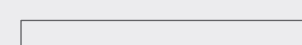
High efficacy of 102lm/W

CRI 90 providing true colour appearance

Beam angle: 120°



20m/100mm



10mm

# Strip Lights

9.6W

Ideal for atmospheric light with 9.6W/m

IP20

Ideal for living room and hallways with IP20 rating

BESPOKE

Bespoke lengths available

## Guarantee

5 years Cutting to required length will render this product non-returnable

## Features & benefits

Cut points are every 50mm

500mm flying leads attached

Has high quality LED strip using current regulation without experiencing any light drop off

Long lengths (up to 20m) suffer no light loss

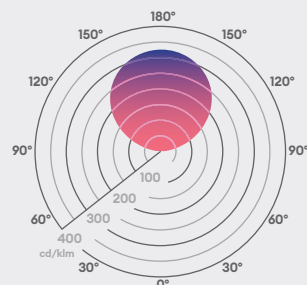
A foil backed flexible PCB, which dissipates heat (improves LED life and colour stability)

Quick and easy installation with 3M self-adhesive backing

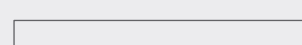
High efficacy of 99lm/W

CRI 90 providing true colour appearance

Beam angle: 120°



20m/50mm



12mm



## LSC05

9.6 W/m, IP20, 24V current regulated, high CRI, self-adhesive, flexible strip

## Features

Strip type	Flexible tape
IP rating	IP20
CSP switchable	Single CCT
Bespoke lengths	Yes
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	120
Input	24V DC
LED lifetime	L70 60,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

## Installation information

Bathroom zone	N/A
Construction material	Flexible tape
Maximum running length	20 m
Weight	28g per meter
Maximum ambient temperature	-20°C - 45°C
Electric class (1, 2, 3)	3

## Photometrics @ 25°C

Product code	Reel length	W	CCT	△	lm	lm/W	Energy
LSC0527200	20 m	9.6W/m	2700K	120°	860	90	
LSC0530200	20 m	9.6W/m	3000K	120°	900	94	
LSC0540200	20 m	9.6W/m	4000K	120°	950	99	

Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm <sup>2</sup> flying lead from one end
Type of wiring required	Parallel

## Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
LSD6024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	6m Max
LSD12024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	12m Max
PSIP25024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	26m Max

## Accessories

LSAFC122 / LSAFCS122	Range of fast fix connectors for use with LSC04/05/06	Sold Separately	126
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	121
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	314



## LSC04

14.4 W/m, IP20, 24V current regulated, high CRI, self-adhesive, flexible strip

### Features

Strip type	Flexible tape
IP rating	IP20
CSP switchable	Single CCT
Bespoke lengths	Yes
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	120
Input	24V DC
LED lifetime	L70 60,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

### Installation information

Bathroom zone	N/A
Construction material	Flexible tape
Maximum running length	20 m
Weight	28g per meter
Maximum ambient temperature	-20°C - 40°C
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Reel length	W	CCT	Beam angle	lm	lm/W	Energy
LSC0427100	10 m	14.4W/m	2700K	120°	1200	83	
LSC0430100	10 m	14.4W/m	3000K	120°	1280	89	
LSC0440100	10 m	14.4W/m	4000K	120°	1350	94	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

### Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
LSD6024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	4m Max
LSD12024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	8m Max
PSIP25024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	17m Max

### Accessories

LSAFC122 / LSAFCS122	Range of fast fix connectors for use with LSC04/05/06	Sold Separately	126
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	121
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	314

## Strip Lights

- 14.4W** Ideal for primary light with 14.4W/m
- IP20** Ideal for living room and hallways with IP20 rating
- BESPOKE** Bespoke lengths available

### Guarantee

5 years Cutting to required length will render this product non-returnable

### Features & benefits

Cut points are every 50mm

500mm flying leads attached

Has high quality LED strip using current regulation without experiencing any light drop off

Long lengths (up to 10m) suffer no light loss

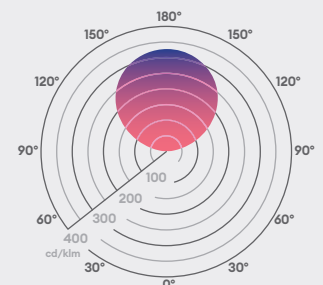
A foil backed flexible PCB, which dissipates heat (improves LED life and colour stability)

Quick and easy installation with 3M self-adhesive backing

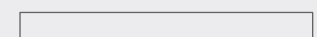
High efficacy of 94lm/W

CRI 90 providing true colour appearance

### Beam angle: 120°



10m/50mm



12mm

# Strip Lights

- 17W

Ideal for primary light with 17W/m
- IP20

Ideal for living room and hallways with IP20 rating
- BESPOKE

Bespoke lengths available

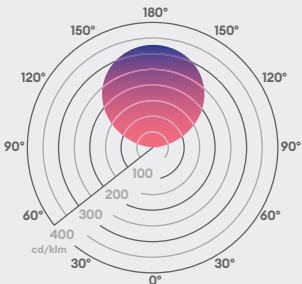
### Guarantee

5 years Cutting to required length will render this product non-returnable

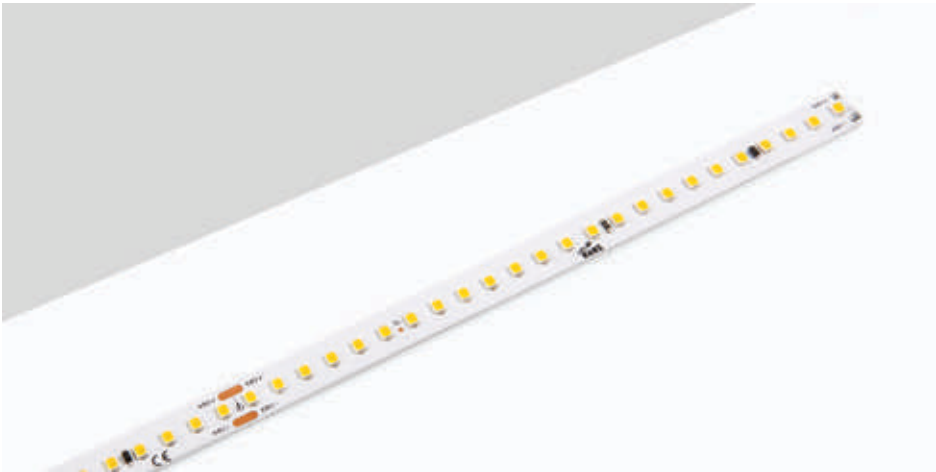
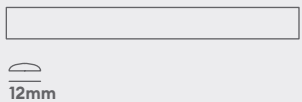
### Features & benefits

- Cut points are every 41.6mm
- 500mm flying leads attached
- Has high quality LED strip using current regulation without experiencing any light drop off
- Long lengths (up to 10m) suffer no light loss
- A foil backed flexible PCB, which dissipates heat (improves LED life and colour stability)
- Quick and easy installation with 3M self-adhesive backing
- High efficacy of 94lm/W
- CRI 90 providing true colour appearance

Beam angle: 120°



10m/41.6mm



## LSC06

17.0 W/m, IP20, 24V current regulated, high CRI, self-adhesive, flexible strip

### Features

Strip type	Flexible tape
IP rating	IP20
CSP switchable	Single CCT
Bespoke lengths	Yes
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	120
Input	24V DC
LED lifetime	L70 60,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

### Installation information

Bathroom zone	N/A
Construction material	Flexible tape
Maximum running length	20 m
Weight	30g per meter
Maximum ambient temperature	-20°C - 40°C
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Reel length	W	CCT	∠	lm	lm/W	Energy
LSC0627100	10 m	17.0W/m	2700K	120°	1400	82	
LSC0630100	10 m	17.0W/m	3000K	120°	1450	85	
LSC0640100	10 m	17.0W/m	4000K	120°	1600	94	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

### Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS7524	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	3m Max
PSIP15024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	8m Max
PSIP25024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	14m Max

### Accessories

LSAFC122 / LSAFCS122	Range of fast fix connectors for use with LSC04/05/06	Sold Separately	126
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	121
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	314



## LSC82

4.8 W/m, IP68, 24V current regulated, high CRI, self-adhesive, waterproof flexible strip

### Features

Strip type	Flexible tape
IP rating	IP68
CSP switchable	Single CCT
Bespoke lengths	Yes
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	60
Input	24V DC
LED lifetime	L70 60,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

### Installation information

Bathroom zone	0
Construction material	Flexible tape with Silicone coating
Maximum running length	20 m
Weight	110g per meter
Maximum ambient temperature	-20°C - 45°C
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Reel length	W	CCT	∠	lm	lm/W	Energy
LSC8227200	20 m	4.8W/m	2700K	120°	360	75	
LSC8230200	20 m	4.8W/m	3000K	120°	380	79	
LSC8240200	20 m	4.8W/m	4000K	120°	420	88	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

### Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PSMDIP10024	220-240V	Yes	Yes (with PDCINT1-10V)	N/A	6m Max
PS7524	220-240V	Yes	Yes (with PDCINT1-10V)	0 (l when dimming)	15m Max
PSIP15024	220-240V	Yes	Yes (with PDCINT1-10V)	0 (l when dimming)	31m Max

### Accessories

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	121
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	314

## Strip Lights



Ideal for accent lighting with 4.8W/m



Ideal for wet environments with IP68



Bespoke lengths available

### Guarantee

5 years Cutting to required length will render this product non-returnable

### Features & benefits

1, 2, 3, 4 or 5m flying leads available at bespoke request

Has high quality LED strip using current regulation without experiencing any light drop off

Long lengths (up to 20m) suffer no light loss

Cut points are every 100mm

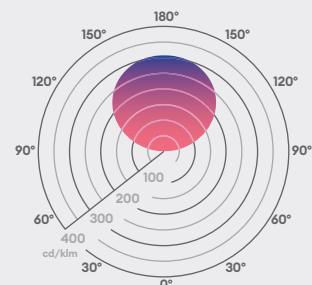
Quick and easy installation with 3M self-adhesive backing

High efficacy of 88lm/W

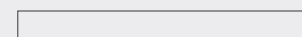
High-grade silicone extruded coating, UV resistant

CRI 90 providing true colour appearance

Beam angle: 120°



20m/100mm



12x5mm







## LSC85

9.6 W/m, IP68, 24V current regulated, high CRI, self-adhesive, waterproof flexible strip

### Features

Strip type	Flexible tape
IP rating	IP68
CSP switchable	Single CCT
Bespoke lengths	Yes
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	120
Input	24V DC
LED lifetime	L70 60,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

### Installation information

Bathroom zone	0
Construction material	Flexible tape with Silicone coating
Maximum running length	20 m
Weight	147g per meter
Maximum ambient temperature	-20°C - 45°C
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Reel length	W	CCT	Beam angle	lm	lm/W	Energy
LSC8527400	40 m	9.6W/m	2700K	120°	760	79	
LSC8530400	40 m	9.6W/m	3000K	120°	800	83	
LSC8540400	40 m	9.6W/m	4000K	120°	850	89	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

### Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
LSD6024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (l when dimming)	6m Max
LSD12024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (l when dimming)	12m Max
PSIP25024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (l when dimming)	26m Max

### Accessories

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	121
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	314

## Strip Lights



Ideal for atmospheric light with 9.6W/m



Ideal for wet environments with IP68



Bespoke lengths available

### Guarantee

5 years Cutting to required length will render this product non-returnable

### Features & benefits

500mm flying leads soldered

Has high quality LED strip using current regulation without experiencing any light drop off

Long lengths (up to 20m) suffer no light loss

Cut points are every 50mm

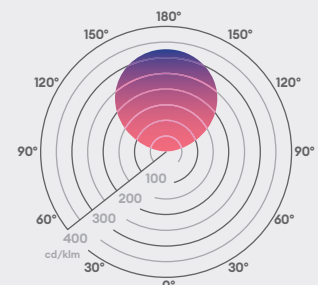
Quick and easy installation with 3M self-adhesive backing

High efficacy of 89lm/W

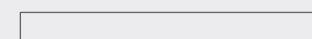
High-grade silicone extruded coating, UV resistant

CRI 90 providing true colour appearance

Beam angle: 120°



20m/50mm



14x5mm

# Strip Lights

**14.4W** Ideal for primary light with 14.4W/m

**IP68** Ideal for wet environments with IP68

**BESPOKE** Bespoke lengths available

## Guarantee

5 years Cutting to required length will render this product non-returnable

## Features & benefits

500mm flying leads soldered

Has high quality LED strip using current regulation without experiencing any light drop off

Long lengths (up to 10m) suffer no light loss

Cut points are every 50mm

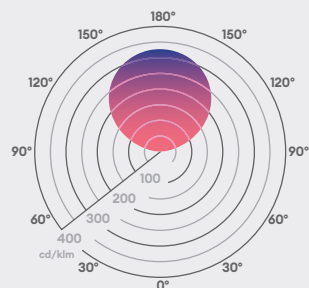
Quick and easy installation with 3M self-adhesive backing

High efficacy of 87lm/W

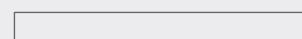
High-grade silicone extruded coating, UV resistant

CRI 90 providing true colour appearance

Beam angle: 120°



10m/50mm



14x5mm



## LSC84

14.4 W/m, IP68, 24V current regulated, high CRI, self-adhesive, waterproof flexible strip

## Features

Strip type	Flexible tape
IP rating	IP68
CSP switchable	Single CCT
Bespoke lengths	Yes
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	120
Input	24V DC
LED lifetime	L70 60,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

## Installation information

Bathroom zone	0
Construction material	Flexible tape with Silicone coating
Maximum running length	10 m
Weight	147g per meter
Maximum ambient temperature	-20°C - 40°C
Electric class (1, 2, 3)	3

## Photometrics @ 25°C

Product code	Reel length	W	CCT	△	lm	lm/W	Energy
LSC8427400	40 m	14.4W/m	2700K	120°	1050	73	
LSC8430400	40 m	14.4W/m	3000K	120°	1150	80	
LSC8440400	40 m	14.4W/m	4000K	120°	1250	87	

Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm <sup>2</sup> flying lead from one end
Type of wiring required	Parallel

## Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
LSD6024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	4m Max
LSD12024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	8m Max
PSIP25024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	17m Max

## Accessories

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	121
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	314





## LSC86

17.0 W/m, IP68, 24V current regulated, high CRI, self-adhesive, waterproof flexible strip

### Features

Strip type	Flexible tape
IP rating	IP68
CSP switchable	Single CCT
Bespoke lengths	Yes
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	144
Input	24V DC
LED lifetime	L70 60,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

### Installation information

Bathroom zone	0
Construction material	Flexible tape with Silicone coating
Maximum running length	10 m
Weight	126g per meter
Maximum ambient temperature	-20°C - 40°C
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Reel length	W	CCT	Beam angle	lm	lm/W	Energy
LSC8627400	40 m	17.0W/m	2700K	120°	1250	74	
LSC8630400	40 m	17.0W/m	3000K	120°	1350	79	
LSC8640400	40 m	17.0W/m	4000K	120°	1400	82	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm <sup>2</sup> flying lead from one end
Type of wiring required	Parallel

### Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS7524	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (l when dimming)	3m Max
PSIP15024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (l when dimming)	8m Max
PSIP25024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (l when dimming)	14m Max

### Accessories

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	121
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	314

## Strip Lights

17W/m

Ideal for primary light with 17W/m

IP68

Ideal for wet environments with IP68

BESPOKE

Bespoke lengths available

### Guarantee

5 years Cutting to required length will render this product non-returnable

### Features & benefits

500mm flying leads soldered

Has high quality LED strip using current regulation without experiencing any light drop off

Long lengths (up to 10m) suffer no light loss

Cut points are every 41.6mm

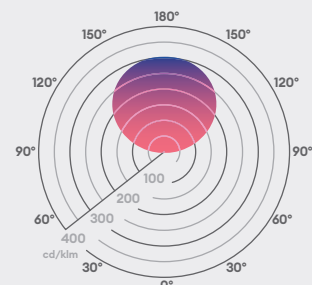
Quick and easy installation with 3M self-adhesive backing

High efficacy of 82lm/W

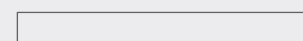
High-grade silicone extruded coating, UV resistant

CRI 90 providing true colour appearance

Beam angle: 120°



10m/41.6mm



14x5mm

# Strip Lights



Bright enough to be the main, or primary, source of light



High efficiency up to 160 lumens per watt



Dotless light in profile

## Guarantee

5 years

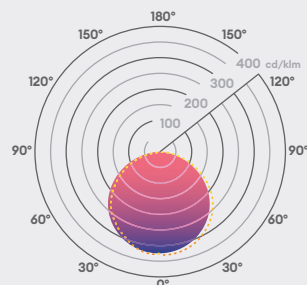
## Features & benefits

238 Led chips per metre

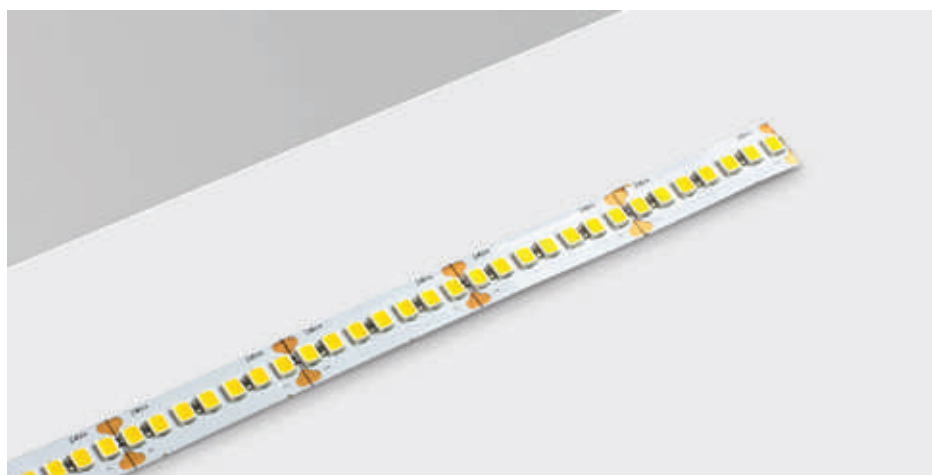
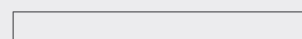
High lumen output at approx 2000 lm/m

Cut points every 29.4mm

Beam angle: 120°



5m/29.4mm



## LSP

LED Strip Primary, 14W/m, IP20, 5m

## Features

Strip type	Flexible tape
IP rating	IP20
CSP switchable	Single CCT
Bespoke lengths	Yes
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	238
Input	24V DC
LED lifetime	L70 54,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM4

## Installation information

Bathroom zone	N/A
Construction material	Copper
Maximum running length	5 m
Weight	170g
Maximum ambient temperature	40°C
Electric class (1, 2, 3)	1

## Photometrics @ 25°C

Product code	Reel length	W	CCT	△x	lm	lm/W	Energy
LSP195027	5 m	14W/m	2700K	120°	1960	140	
LSP205030	5 m	14W/m	3000K	120°	2000	143	
LSP225040	5 m	14W/m	4000K	120°	2240	160	

Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	300mm Flying Lead
Type of wiring required	Parallel

## Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
LSD6024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	4m Max
LSD12024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	8m Max
PSIP25024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	17m Max

## Accessories

LSPLA21314	2m, 10mm deep Plaster in profile & opal diffuser	Sold Separately	123
LSK2210SS	10mm Strip to Strip Fast Fix Connector	Sold Separately	126
LSK2210SD	10mm Strip to Driver Fast Fix Connector	Sold Separately	126
LSK2210FB	10mm Strip to Strip Fast Fix Flexible Bend	Sold Separately	126
LSK2210LB	10mm Strip to Strip Fast Fix 'L' Bend	Sold Separately	126
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	314





## COF Strip

COF Dotless LED Strip, 8W/m, 5m reel with self adhesive backing

### Features

Strip type	Dotless flexible tape
IP rating	IP20
CSP switchable	Single CCT
Bespoke lengths	No
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	280
Input	24V DC
LED lifetime	L90 36,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM4

### Installation information

Bathroom zone	N/A
Construction material	Flexible tape
Maximum running length	2.5 m
Weight	20g/m
Maximum ambient temperature	-20°C - 40°C
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Reel length	W	CCT	∠	lm	lm/W	Energy
LSFA0727050	5 m	8W/m	2700K	140°	680	85	
LSFA0730050	5 m	8W/m	3000K	140°	690	86	
LSFA0740050	5 m	8W/m	4000K	140°	730	91	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	Supplied with 500mm, 2x0.5mm <sup>2</sup> flying lead from one end
Type of wiring required	Parallel

### Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS3024B	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	3m Max
PS7524	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	9m Max
PSIP15024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	18m Max

### Accessories

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	121
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	314

## Strip Lights

- Ideal for accent lighting with 8W/m
- Ideal for living room and hallways with IP20 rating
- Dotless LED strip

### Guarantee

3 years

### Features & benefits

High quality LED strip maintaining light quality and consistency

Available in 5m reels

CRI 90 providing true colour appearance

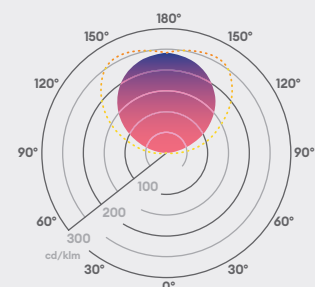
Flexible strip to allow installation in a variety of applications and uneven surfaces

Quick and easy installation with 3M self-adhesive backing

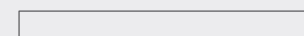
Cut points at every 29.4mm

500mm flying leads attached

Beam angle: 140°



5m/29.4mm



8mm

# Strip Lights

6.5W/m

Ideal for accent light (6.5W/m)

IP67

Ideal for wet environments with IP67 rating

Side bend

Side bending strip

## Guarantee

5 years

## Features & benefits

500mm flying leads soldered

High quality LED strip maintaining light quality and consistency

Long lengths (LSNS73 up to 10m / LSNS75 up to 5m) suffer no light loss

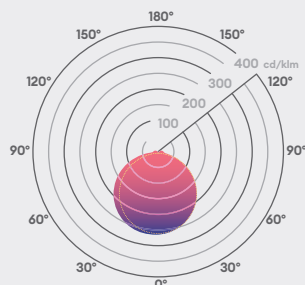
Cut points are every 50mm

A range of fixing accessories, both rigid and flexible, allowing various installations. Fixing accessories need to be acquired to allow install the neon strip

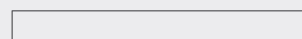
Has a high-grade silicone extruded coating, UV and Chemicals resistant

CRI 80 providing true colour appearance

Beam angle: 120°



3m,5m,10m/50mm



17mm  
12mm



## LSNS73

6.5 W/m, IP67, 24V constant voltage, side bend, waterproof flexible neon strip

## Features

Strip type	Flexible tape
IP rating	IP67
CSP switchable	Single CCT
Bespoke lengths	No
Self-adhesive backing	No
Dimmable option	Driver dependent
LED/m	140
Input	24V DC
LED lifetime	L70 60,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

## Installation information

Bathroom zone	0, 1 (with dimming)
Construction material	Flexible tape with Silicone coating
Maximum running length	10 m
Weight	234g per meter
Maximum ambient temperature	-20°C - 40°C
Electric class (1, 2, 3)	3

## Photometrics @ 25°C

Product code	Reel length	W	CCT	Beam angle	lm	lm/W	Energy
LSNS7327030	3 m	6.5W/m	2700K	120°	290	45	127
LSNS7327050	5 m	6.5W/m	2700K	120°	290	45	127
LSNS7327100	10 m	6.5W/m	2700K	120°	290	45	127
LSNS7330030	3 m	6.5W/m	3000K	120°	310	47	127
LSNS7330050	5 m	6.5W/m	3000K	120°	310	47	127
LSNS7330100	10 m	6.5W/m	3000K	120°	310	47	127
LSNS7340030	3 m	6.5W/m	4000K	120°	315	48	127
LSNS7340050	5 m	6.5W/m	4000K	120°	315	48	127
LSNS7340100	10 m	6.5W/m	4000K	120°	315	48	127

Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm <sup>2</sup> flying lead from one end
Type of wiring required	Parallel

## Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
LSD6024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	9m Max
PS7524	220-240V 50/60Hz	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	11m Max
PSIP15024	220-240V 50/60Hz	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	23m Max

## Accessories

LSNS12	Range of connection and fixing accessories	Sold Separately	127
LED STRIP PROFILE RANGE	Profile range to house neon strip	Sold Separately	121



## LSNS75

9.6 W/m, IP67, 24V constant voltage, side bend, waterproof flexible neon strip

### Features

Strip type	Side bending
IP rating	IP67
CSP switchable	Single CCT
Bespoke lengths	No
Self-adhesive backing	No
Dimmable option	Driver dependent
LED/m	140
Input	24V DC
LED lifetime	L70 60,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Bathroom zone	0, 1 (with dimming)
Construction material	Flexible tape with Silicone coating
Maximum running length	5 m
Weight	234g per meter
Maximum ambient temperature	-20°C - 40°C
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Reel length	W	CCT	∠	lm	lm/W	Energy
LSNS7527030	3 m	9.6W/m	2700K	120°	450	47	
LSNS7527050	5 m	9.6W/m	2700K	120°	450	47	
LSNS7530030	3 m	9.6W/m	3000K	120°	460	48	
LSNS7530050	5 m	9.6W/m	3000K	120°	460	48	
LSNS7540030	3 m	9.6W/m	4000K	120°	470	49	
LSNS7540050	5 m	9.6W/m	4000K	120°	470	49	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

### Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
LSD6024	220-240V	Yes	Yes (with PDCINT1-10V)	0 (l when dimming)	6m Max
LSD12024	220-240V	Yes	Yes (with PDCINT1-10V)	0 (l when dimming)	12m Max
PSIP25024	220-240V	Yes	Yes (with PDCINT1-10V)	0 (l when dimming)	26m Max

### Accessories

LSNS12	Range of connection and fixing accessories	Sold Separately	127
LED STRIP PROFILE RANGE	Profile range to house neon strip	Sold Separately	121

## Strip Lights

- Ideal for atmospheric light with 9.6W/m
- Ideal for wet environments with IP67 rating
- Side bending strip

### Guarantee

5 years

### Features & benefits

500mm flying leads soldered

High quality LED strip maintaining light quality and consistency

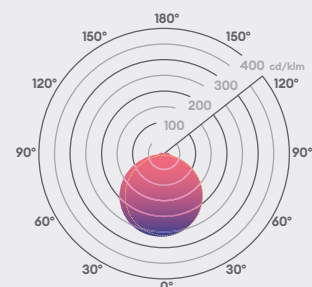
Long lengths (LSNS73 up to 10m / LSNS75 up to 5m) suffer no light loss

Cut points are every 50mm

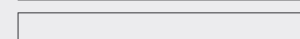
A range of fixing accessories, both rigid and flexible, allowing various installations. Fixing accessories need to be acquired to allow install the neon strip

Has a high-grade silicone extruded coating, UV and Chemicals resistant

Beam angle: 120°



3m,5m/50mm



17mm  
12mm

# Strip Lights

6.5W/m

Ideal for accent lighting with 6.5W/m

IP67

Ideal for wet environments with IP67 rating

Top bend

Top bending strip

## Guarantee

5 years

## Features & benefits

500mm flying leads soldered

High quality LED strip maintaining light quality and consistency

Long lengths (LSNS73 up to 10m / LSNS75 up to 5m) suffer no light loss

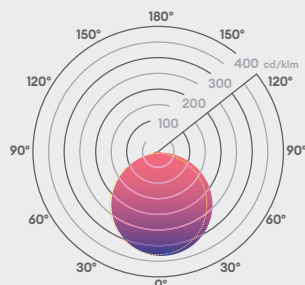
Cut points are every 50mm

A range of fixing accessories, both rigid and flexible, allowing various installations. Fixing accessories need to be acquired to allow install the neon strip

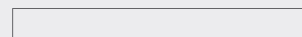
Has a high-grade silicone extruded coating, UV and Chemicals resistant

CRI 80 providing true colour appearance

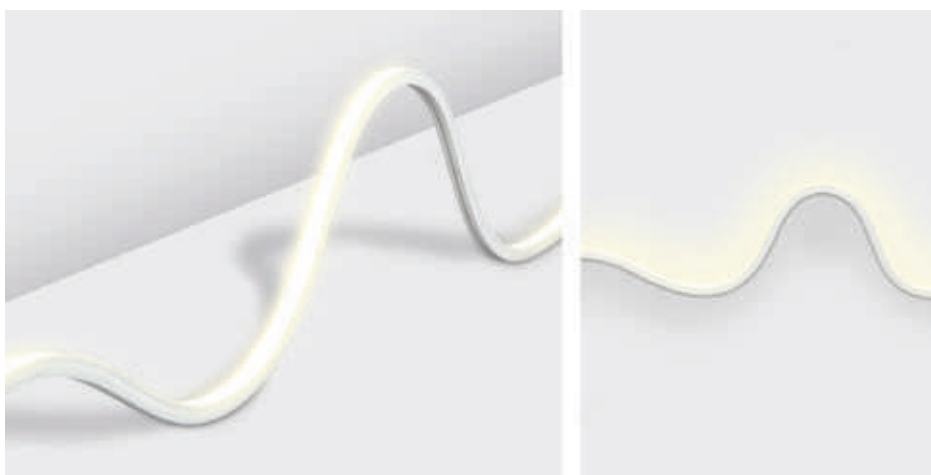
Beam angle: 120°



3m, 5m, 10m / 50mm



12mm  
13mm



## LSNT73

6.5 W/m, IP67, 24V constant voltage, top bend, waterproof flexible neon strip

## Features

Strip type	Top bending
IP rating	IP67
CSP switchable	Single CCT
Bespoke lengths	No
Self-adhesive backing	No
Dimmable option	Driver dependent
LED/m	140
Input	24V DC
LED lifetime	L70 60,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

## Installation information

Bathroom zone	0, 1 (with dimming)
Construction material	Flexible tape with Silicone coating
Maximum running length	10 m
Weight	172g per meter
Maximum ambient temperature	-20°C - 40°C
Electric class (1, 2, 3)	3

## Photometrics @ 25°C

Product code	Reel length	W	CCT	Beam angle	lm	lm/W	Energy
LSNT7327030	3 m	6.5W/m	2700K	120°	510	78	127
LSNT7327050	5 m	6.5W/m	2700K	120°	510	78	127
LSNT7327100	10 m	6.5W/m	2700K	120°	510	78	127
LSNT7330030	3 m	6.5W/m	3000K	120°	520	80	127
LSNT7330050	5 m	6.5W/m	3000K	120°	520	80	127
LSNT7330100	10 m	6.5W/m	3000K	120°	520	80	127
LSNT7340030	3 m	6.5W/m	4000K	120°	530	81	127
LSNT7340050	5 m	6.5W/m	4000K	120°	530	81	127
LSNT7340100	10 m	6.5W/m	4000K	120°	530	81	127

Energy rating is a reflection of the LED light source.

## Wiring information

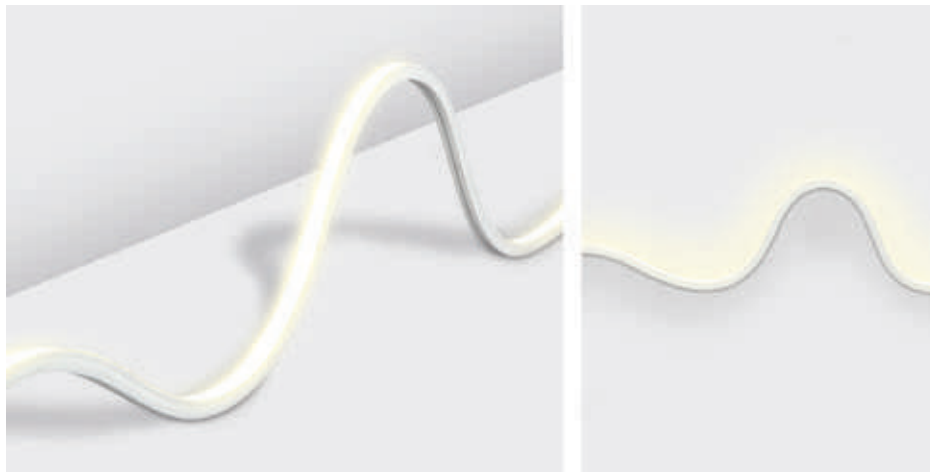
Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

## Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
LSD6024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	9m Max
PS7524	220-240V 50/60Hz	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	11m Max
PSIP15024	220-240V 50/60Hz	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	23m Max

## Accessories

LSNTI3	Range of connection and fixing accessories	Sold Separately	127
LED STRIP PROFILE RANGE	Profile range to house neon strip	Sold Separately	121



## LSNT75

9.6 W/m, IP67, 24V constant voltage, top bend, waterproof flexible neon strip

### Features

Strip type	Top bending
IP rating	IP67
CSP switchable	Single CCT
Bespoke lengths	No
Self-adhesive backing	No
Dimmable option	Driver dependent
LED/m	140
Input	24V DC
LED lifetime	L70 60,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Bathroom zone	0, 1 (with dimming)
Construction material	Flexible tape with Silicone coating
Maximum running length	5 m
Weight	172g per meter
Maximum ambient temperature	-20°C - 40°C
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Reel length	W	CCT	∠	lm	lm/W	Energy
LSNT7527030	3 m	9.6W/m	2700K	120°	770	80	
LSNT7527050	5 m	9.6W/m	2700K	120°	770	80	
LSNT7530030	3 m	9.6W/m	3000K	120°	780	81	
LSNT7530050	5 m	9.6W/m	3000K	120°	780	81	
LSNT7540030	3 m	9.6W/m	4000K	120°	792	82	
LSNT7540050	5 m	9.6W/m	4000K	120°	792	82	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

### Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
LSD6024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (l when dimming)	6m Max
LSD12024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (l when dimming)	12m Max
PSIP25024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (l when dimming)	26m Max

### Accessories

LSNT13	Range of connection and fixing accessories	Sold Separately	127
LED STRIP PROFILE RANGE	Profile range to house neon strip	Sold Separately	121

## Strip Lights



Ideal for atmospheric light with 9.6W/m



Ideal for wet environments with IP67 rating



Top bending strip

### Guarantee

5 years

### Features & benefits

500mm flying leads soldered

High quality LED strip maintaining light quality and consistency

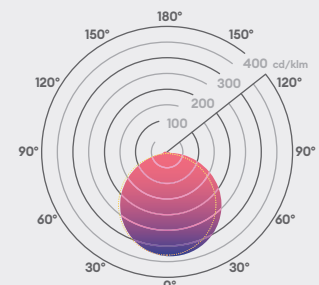
Long lengths (LSNS73 up to 10m / LSNS75 up to 5m) suffer no light loss

Cut points are every 50mm

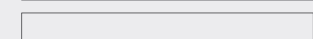
A range of fixing accessories, both rigid and flexible, allowing various installations. Fixing accessories need to be acquired to allow install the neon strip

Has a high-grade silicone extruded coating, UV and Chemicals resistant

Beam angle: 120°



3m, 5m/50mm









## SP50

IP20 LED strip pack and driver

### Features

Strip type	Flexible tape
IP rating	IP20
CSP switchable	Single CCT
Bespoke lengths	No
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	120
Input	220-240V AC
LED lifetime	L70 30,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5

### Installation information

Bathroom zone	2
Construction material	Flexible tape
Maximum running length	5 m
Weight	53g per meter
Maximum ambient temperature	40°C
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Reel length	W	CCT	Beam angle	lm	lm/W	Energy
SP5027	5 m	4.8W/m	2700K	120°	430	90	
SP5030	5 m	4.8W/m	3000K	120°	450	94	
SP5040	5 m	4.8W/m	4000K	120°	490	102	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	Supplied with a minimum of 200mm flying lead from one end
Type of wiring required	Parallel

### Accessories

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	121
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	314

## Strip Lights



Ideal for accent lighting with 4.8W/m



Ideal for living room and hallways with IP20 rating



Quick and easy installation with 3M self-adhesive backing

### Guarantee

3 years

### Features & benefits

Driver included

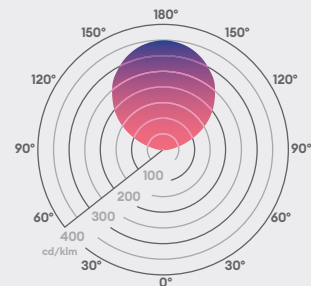
Excellent for accent lighting

Cut points every 100mm

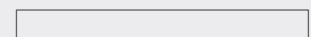
3M self-adhesive backing for secure and easy installation

Supplied in a resealable, antistatic bag to protect during transit

Beam angle: 120°



5m/100mm



# Landscape







# Landscape lighting

## Adding depth to landscapes

Transforming any landscape with lighting design is as important as interior lighting. It can invigorate the environment and bring the space to life.

### Incorporating lighting into landscape design

To amplify the quality of a landscape, lighting should be incorporated into the design. When it comes to landscape lighting, three key areas should be considered; functional areas, feature areas and entertainment areas. If consideration is taken for these, landscapes will have added depth and can really be brought to life.

#### Low-level decorative lighting

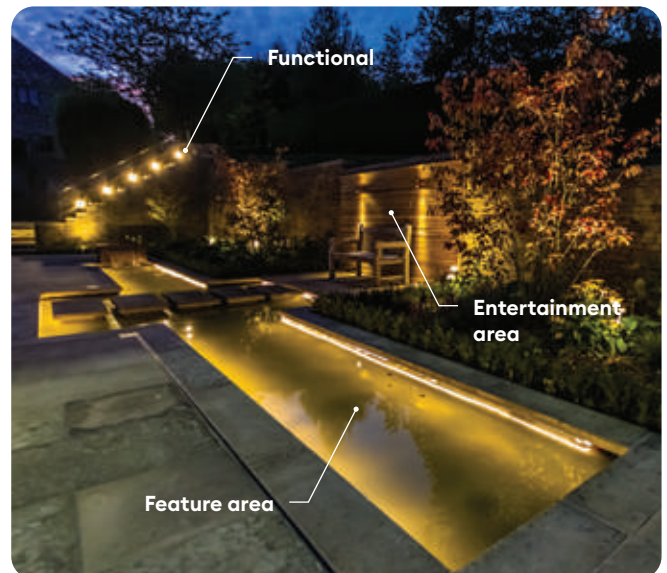
The correct lighting should be considered when illumination is required for a certain task, such as visibility or circulation. Pathways and storage areas usually require functional lighting but can be used as a layer of light that contributes to the overall landscape.

#### Feature areas

Sculptures, ponds and interesting plant life can form distinct features in a landscape design, but may be lost at night. Consider the most appropriate way to light them to ensure they become the focal point in a landscape.

#### Entertainment areas

Lighting in this area should be used to create ambience as it often becomes the most used area in a landscape. As such, it is a good idea to consider lighting at the start of the design. This can be further enhanced through the use of controls.



## Maximising materials

### Importance of colour temperature

Accentuating the materials in a landscape can be achieved by selecting a colour temperature that enhances the colour of the material being highlighted.

#### Wood / sand

Warmer tones found in materials such as these would be complimented by a colour temperature of 2200K - 3000K.

#### Stone

For featuring the natural components of stone, a colour temperature of 2700K - 3000K will be most suitable.

#### Whites

For white materials, such as painted brick or furniture, choose 4000K to emphasise the tones.





## Finishes

The use of black, antique brass and bronze finishes are a popular trend with landscape lighting designers, and to accommodate this development we have just extended our offering to include even more varieties.

Black ground lights tap into the latest monochrome interior design trends. These ground lights are for decorative lit effects and ideal for placement on perimeters because they're not suitable for being walked or driven over.

Another design trend is for the use of warmer materials and body colours, such as antique brass and bronze. These finishes are particularly used in exterior spaces, alongside red, orange and brown hues, which are commonly found in wood, brick and stone.

## Switchable drivers

Drivers designed for the ultimate flexibility. Turn any landscape product into a lumen switchable product via on-board dip switches, giving you the freedom during installation to achieve the perfect output for your garden design.

**Non dimmable output:**  
150mA - 250mA - 350mA  
500mA - 700mA

**DRV150700**



**Triac dimmable output:**  
350mA - 500mA - 700mA

**DRV350700TD**



## Atmosphere

The correct colour temperature is paramount for the choice of material you wish to highlight and the atmosphere you wish to create. Landscape designs are easily transformed by the correct colour temperature.

**2200K**



**2700K**



**3000K**



**4000K**



## Flood Vs Spot

Choose the ideal beam angle to achieve the effect that you need.

**Flood**

Wash light over an area with a wider beam angle.



**Spot**

Concentrated beam of light with a narrower beam angle.



### Textured surfaces vs. flat surfaces

When choosing a light fitting, it is imperative to consider the surface that the light will be used on. At this stage, it is a great opportunity to bring the materials to life and compliment the landscape design.

#### Textured surface

Use a spot, close to the surface, to graze light over the surface, highlighting the texture and adding depth to the surface.



#### Flat surfaces

Use a flood to wash light over the surface, highlighting the clean nature of the surface/design.



# Landscape lighting

## Environment Considerations

There are many considerations when designing an exterior lighting scheme, and they should always include the natural environment. Careful planning will ensure a lighting scheme which is both durable and impactful, whilst also remaining sympathetic to the environment.

### Incorporating lighting into landscape design

#### Considerate lighting schemes reduce impacts on nocturnal animals

It is important to minimise any effects lighting has on nocturnal animals and insects such as bats, owls and moths. It is very important that bats specifically are taken into account when considering the need to light an area if they are known or suspected to use the area.

The amount of upwards light, and in particular blue light content, can impact them for many reasons, like survival and growth rates. Bats in the UK feed on insects and this missed opportunity can have a serious impact on them if they are missing the peak time of insect abundance (just after dusk). Other effects it can have is bats/wildlife being abandoned or becoming entombed in the roost, so when the entrance is lit up to the roost, they will be less inclined to leave their roosts in these conditions.

A range of low glare products as such as bollards, ground lights, spike lights and lighting controls to help support with illuminating areas.

Products available in 2200K keep blue light content to a minimum. Bollards, such as the black coated range are available in various sizes and with the low glare it has minimum up spill of lighting, making it suitable for areas where nocturnal animals such as bats, and any other wildlife that are affected by lighting.

The mini domed ground lights, GL100 and GL200 give out concentrated light sideways, so you can still illuminate a path for easy navigation and safety, whilst still protecting the environment from light pollution.

Control systems can offer various functions such as putting the lights on a timer or a sensor, so it is only used when needed.



### Patented underwater technology

IP68 rated lights are completely air tight and can be used underwater. Patented technology, unique to Collingwood, prevents water ingress from the back of the light, where the cable enters the product.

When designing a pond area, ensure that you are using IP68 rated products.

Our IP68 rated ground lights can withstand 1 bar pressure, meaning it can be installed up to a depth of 10 metres.



## Coastal and pool areas

### Material choice

Our landscape products are trusted by lighting specifiers and installers alike. This is thanks to superior product engineering and the use of durable and high-quality materials, including marine-grade stainless steel 316 and anodised aluminium.

### Stainless steel 316

Unlike stainless steel 304, the 316 version has a higher resistance to corrosion meaning it is an excellent choice for coastal areas where the water and air contain high concentration levels of salt, and for around swimming pools where there is exposure to chlorine. Not only this, but the material is very durable against wear and tear, particularly important for products recessed in walkways and driveways. Our products go through vigorous salt mist testing to ensure they are corrosion resistant.

### Anodised Aluminium

This electrochemical process increases the thickness of the natural oxide layer on the surface of the aluminium, so the colour becomes part of the material itself. This has benefits over the more commonly seen powder coated alternative because it will not fade, peel or flake, and maintains some of its metallic appearance. Anodised aluminium is also resistant to corrosion and scratches, but it is a softer metal compared to stainless steel 316 so should be considered based on the light fitting's intended install location. Anodising is one of the most durable surface finishes available, as well as beautiful.

As with all light fittings, both the light and the product will maintain a high-quality appearance if they are installed correctly and are regularly wiped clean with a soft, damp cloth.

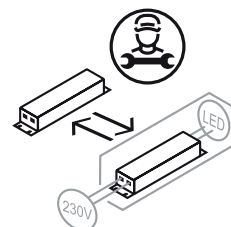
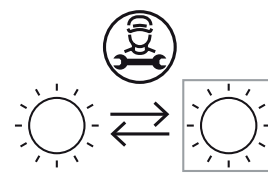


# Sustainable Lighting Solutions

## What is Eco-Design?

Eco-design principles in lighting focus on creating sustainable, energy-efficient, and environmentally friendly lighting solutions. These principles aim to reduce the environmental impact of lighting systems throughout their lifecycle, from production and operation to disposal.

The European Community (EC) has taken a significant step towards environmentally friendly design of products with the Ecodesign Directive (EU Directive 2009/125/EC). In the lighting industry in particular, this guideline plays a crucial role in developing ever more efficient and sustainable LED products and thus making an important contribution to climate protection



## Eco-Design Principles

Here are some key aspects of Eco-design principles in lighting:

### 1. Energy Efficiency

**Use of Efficient Light Sources:** Prioritize LEDs and other high-efficiency lighting technologies that consume less power and produce more lumens per watt. **Adaptive Controls:** Incorporate technologies like dimmers, motion sensors, and daylight harvesting to adjust lighting based on occupancy and ambient light levels, reducing unnecessary energy consumption.

### 2. Durability and Longevity

**Long Lifespan:** Design lighting systems with components that last longer, reducing the frequency of replacements and associated waste. **Quality Materials:** Use durable, high-quality materials that can withstand wear and tear without compromising performance.

### 3. Minimizing Environmental Impact

**Eco-Friendly Materials:** Opt for non-toxic, recyclable, and sustainably sourced materials to reduce harm to the environment. **Reduced Emissions:** Select low-carbon manufacturing processes and design for reduced greenhouse gas emissions during production and use.

### 4. Optimal Light Quality

**Human-Centric Design:** Provide lighting that supports visual comfort, productivity, and well-being, reducing strain and fostering healthier environments. **Reduced Light Pollution:** Design fixtures to minimize glare, light trespass, and skyglow to protect ecosystems and improve visibility.

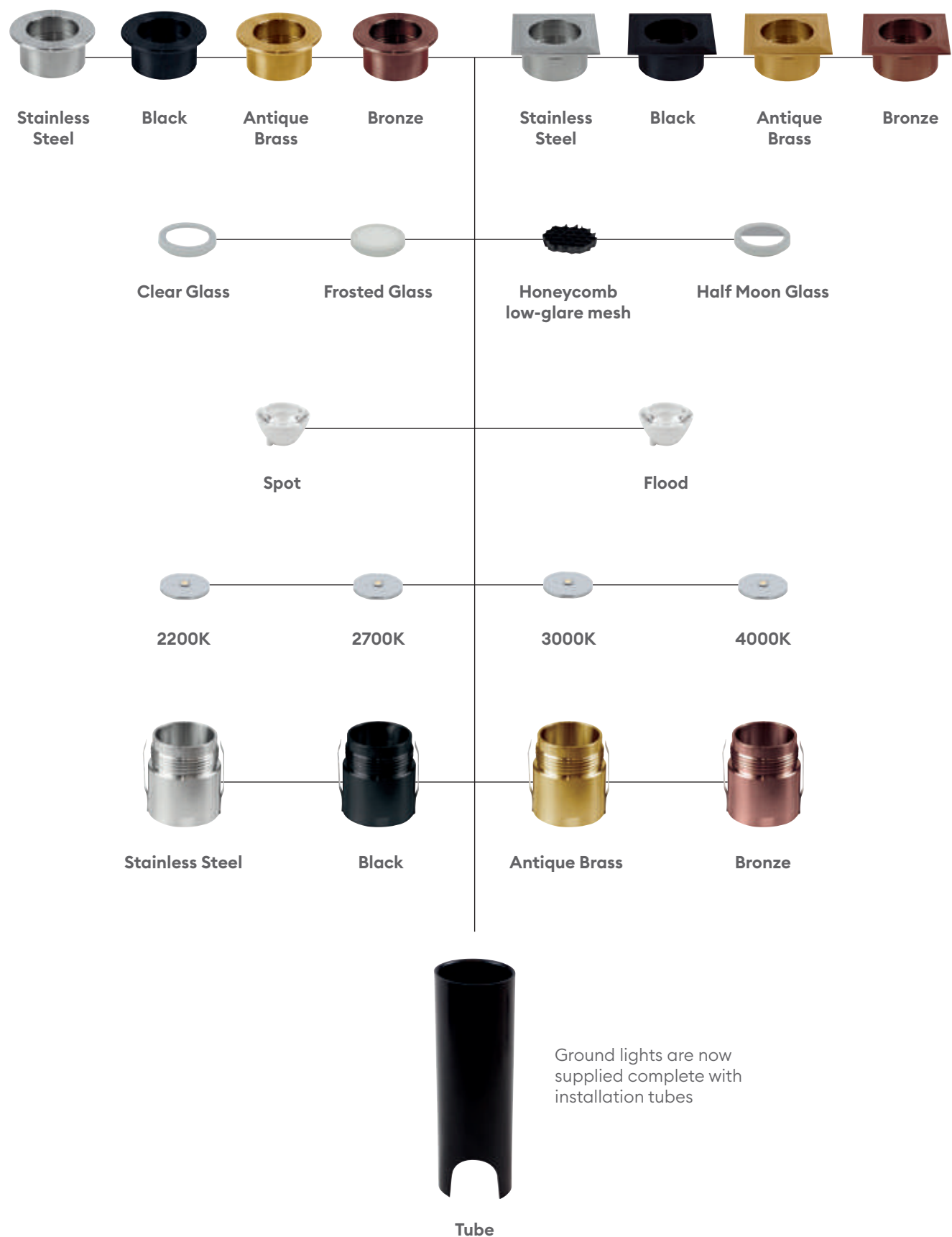
### 5. Innovation and Circularity

**Modularity:** Create systems with replaceable parts to extend overall product life. **Circular Economy Practices:** Design with a focus on reuse and recycling, ensuring that old fixtures and components can feed back into the production cycle.





# A Modular Approach



# Ground Lights



# Ground lights

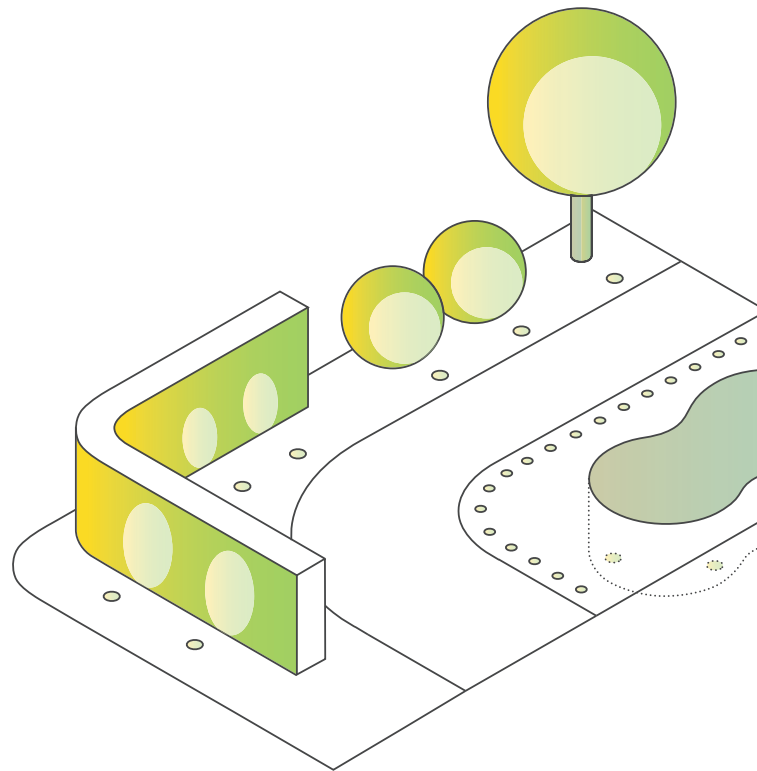
## Highlighting features inside and out

Using ground lights in any light design can transform your space from dark and uninspiring to a perfectly illuminated space to suit any requirement.

### What type of ground light?

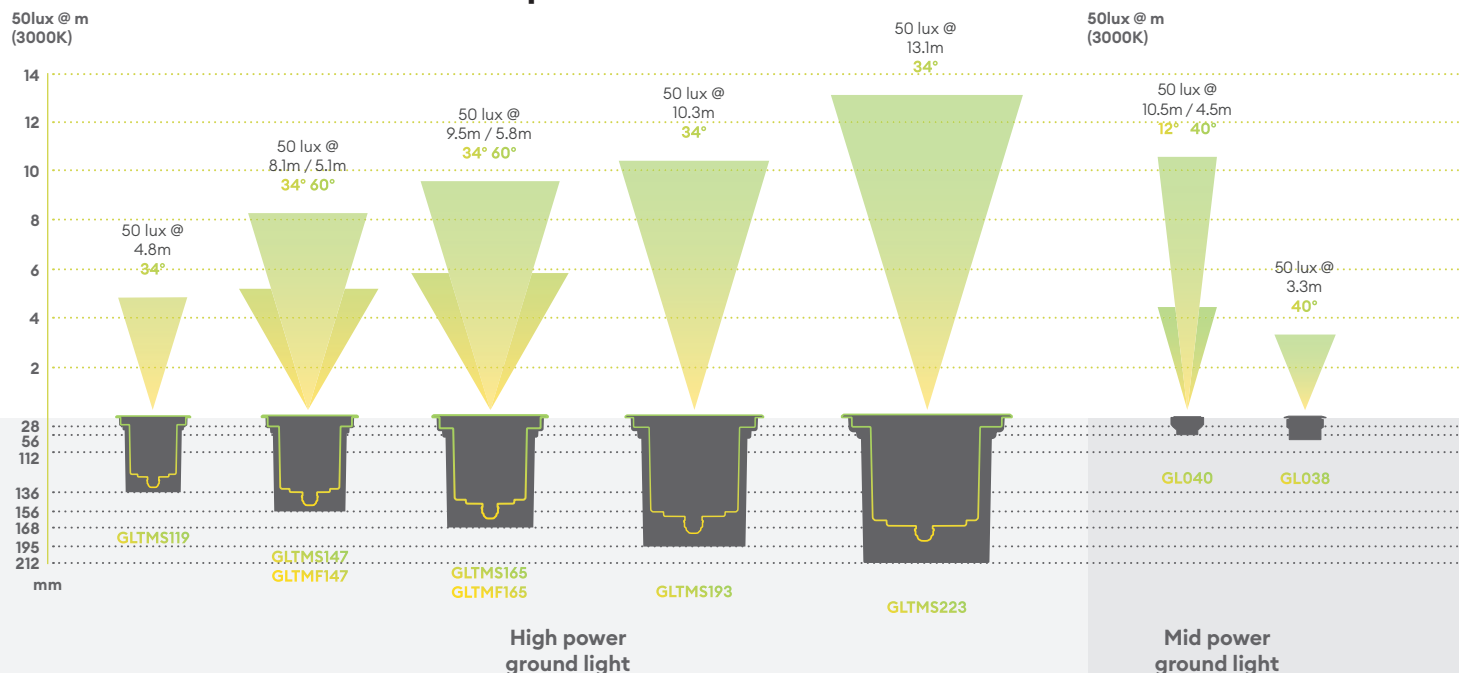
We offer the ideal ground light for every installation

- 1 High power ground light**  
Powerful in output and large in scale, these fittings are ideal for illuminating tall trees and the façades of taller buildings.
- 2 Mid power ground light**  
Choose these to light smaller façades, trees, shrubs and garden walls. These fittings can also be used inside large scale buildings to highlight architectural features.
- 3 Low power ground light**  
Ideal for uplighting domestic façades and for use on wide steps and terraces with low level planting, these fittings can also be used inside to highlight architectural features. They can also be recessed into ceilings to provide small downlight options in display cases, alcoves or in showers.
- 4 Low glare ground light**  
These fittings are ideal for use indoors or near terraces, seating areas and along pathways where people pass nearby.
- 5 Marker light**  
Providing a subtle, diffused glow of light, these fittings are ideal for steps, pathways, driveways and car parks.
- 6 Underwater lighting**  
IP68 and tested to 9m submersion.



### Choose the ideal size and output

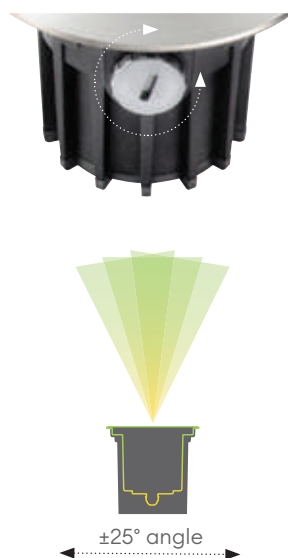
50lux @ m  
(3000K)





## Tilt ground light adjustable light module

Our Tilt ground light has the flexibility to turn the dial to adjust beam angle direction by  $\pm 25^\circ$



## Patented underwater technology

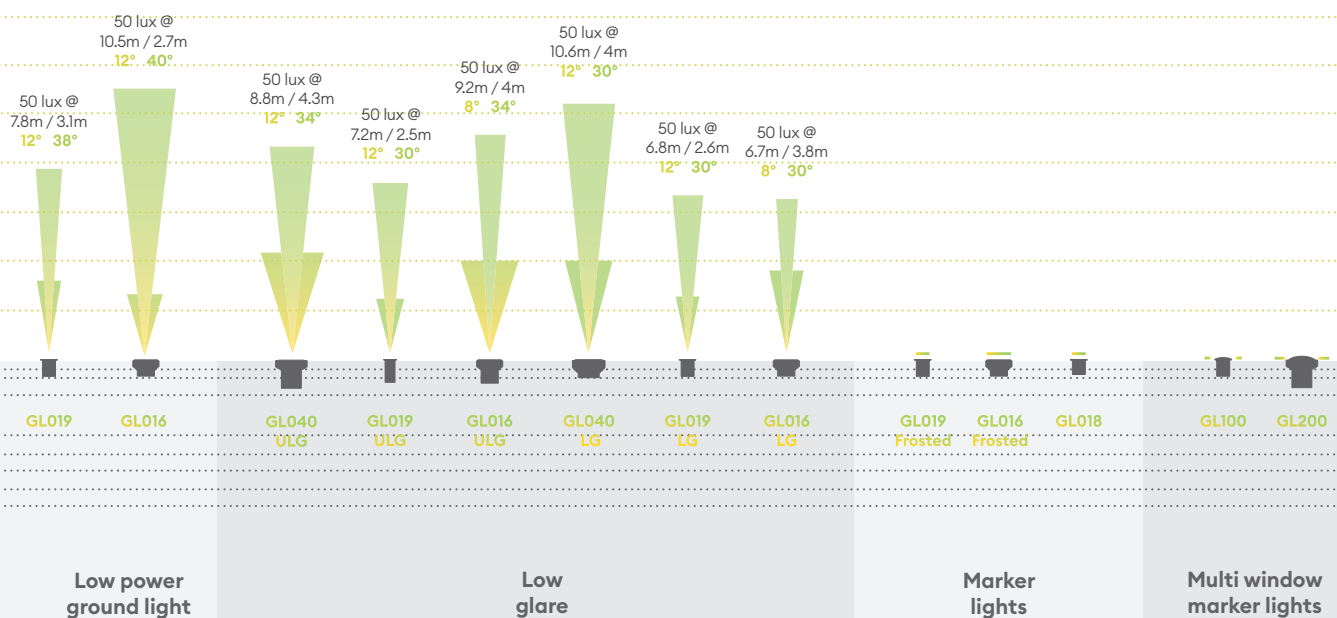
IP68 rated ground lights are completely air tight and can be used under water.

Our low voltage ground lights utilise patented technology, unique to Collingwood, the anti syphon bung prevents water ingress when submerged, from where the cable enters the product.



## Fitting guide

Product Code	Cut-out	Depth	Depth with tube
GLTMS119	119mm	129mm	136mm
GLTMF147 GLTMS147	147mm	156mm	168mm
GLTMF165 GLTMS165	165mm	250mm	278mm
GLTMS193	193mm	175mm	195mm
GLTMS223	223mm	183mm	212mm
GL016 Range	50mm	60mm	102mm
GL016 ULG	28mm	78mm	132mm
GL018 Range	28mm	50mm	N/A
GL019 Range	33mm	60mm	102mm
GL019 ULG	33mm	90mm	132mm
GL038	80-85mm	60mm	190mm
GL040	65mm	60mm	102mm
GL040 ULG	65mm	110mm	132mm
GL100	33mm	60mm	109mm
GL200	65mm	80mm	150mm



## Ground Lights

**0.5W** 0.5W at 24V DC

**Frosted effect** for low glare and soft lighting

**DC** Low voltage ground light

### Guarantee

7 years

### Features & benefits

Robust cable for outdoor use

Shallow depth for easy installation

Coastal protected

Easy and quick installation with parallel wiring



## GL018 C

0.4W, 4lm mini round marker ground light

### Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	24V DC
LED lifetime	L70 30,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	28
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	300g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

### Photometrics @ 25°C

Product code	Finish	W	CCT	∠	lm	lm/W	Energy
GL018 C 27	Stainless steel	0.4W	2700K	120°	4	10	Exempt
GL018 C WW	Stainless steel	0.4W	3000K	120°	4	10	Exempt
GL018 C NW	Stainless steel	0.4W	4000K	120°	4	10	Exempt
GL018 C AB WW	Antique brass	0.4W	3000K	120°	4	10	Exempt

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Parallel

### Recommended LED drivers

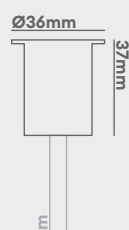
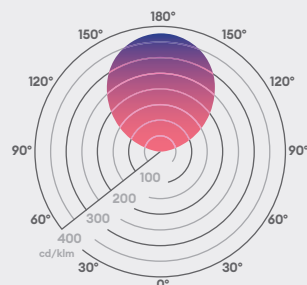
See pages 310-311 for complete LED driver offer

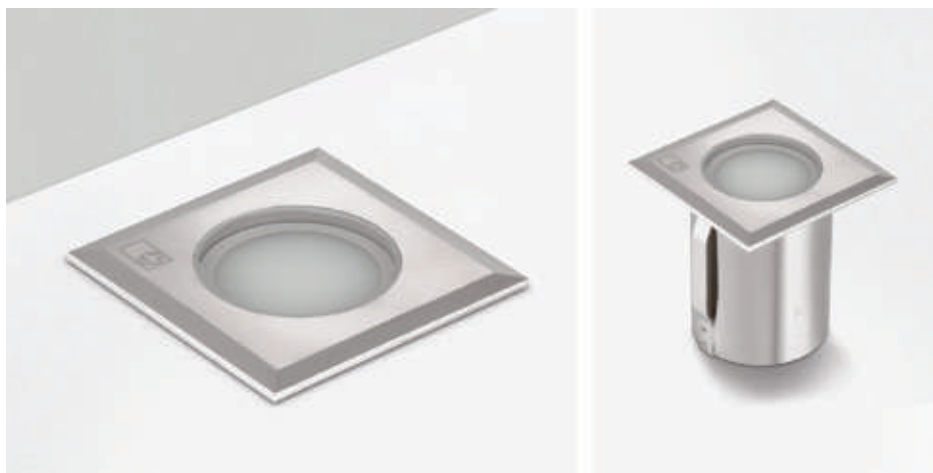
Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PSI524	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	1-30
PS3024B	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	1-60
LSD6024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	1-120

### Accessories

JB1 / JB5 / JB6	IP68 waterproof connectors	Sold Separately	<b>322</b>
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	<b>314</b>

Beam angle: 120°





## GL018 SQ

0.5W, 3lm square mini marker ground light

### Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	24V DC
LED lifetime	L70 30,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	28
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	300g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

### Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	lm	lm/W	Energy
GL018 SQ WW	Stainless steel	0.5W	3000K	120°	3	6	Exempt

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Parallel

### Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS1524	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	1-30
PS3024B	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	1-60
LSD6024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	1-120

### Accessories

JB1 / JB5 / JB6	IP68 waterproof connectors	Sold Separately	322
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	314

## Ground Lights



0.5W at 24V DC



Frosted effect for low glare and soft lighting



Low voltage ground light

### Guarantee

3 years

### Features & benefits

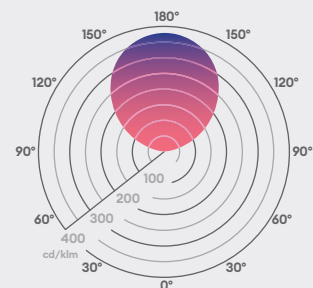
Square bezel for a different decorative effect

Robust cable for outdoor use

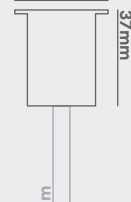
Shallow depth for easy installation

Easy and quick installation with parallel wiring

Beam angle: 120°



36x36mm











## GL019 Round

Low Voltage Ground Light

### Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	150mA / 250mA / 350mA / 500mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	33mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless Steel
Suitable for coastal areas	Yes
Weight	204g
Maximum ambient temperature	55°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

### Photometrics @ 25°C

Product code	Finish	CCT	Beam angle	150mA			700mA			Energy
				W	lm	lm/W	W	lm	lm/W	
GL019RSS22F	Stainless steel 316	2200K	38°	0.4W	51	120	2.2W	196	89	100lm/W
GL019RSS22S	Stainless steel 316	2200K	12°	0.4W	51	120	2.2W	196	89	100lm/W
GL019RSS27F	Stainless steel 316	2700K	38°	0.4W	51	120	2.2W	169	89	100lm/W
GL019RSS27S	Stainless steel 316	2700K	12°	0.4W	51	120	2.2W	169	89	100lm/W
GL019RSS30F	Stainless steel 316	3000K	38°	0.4W	54	129	2.2W	210	95	100lm/W
GL019RSS30S	Stainless steel 316	3000K	12°	0.4W	54	129	2.2W	210	95	100lm/W
GL019RSS40F	Stainless steel 316	4000K	38°	0.4W	60	143	2.2W	234	106	100lm/W
GL019RSS40S	Stainless steel 316	4000K	12°	0.4W	60	143	2.2W	234	106	100lm/W

In the part code to replace your colour, change SS (Stainless Steel) to AB (Antique Brass) or BK (Black).  
Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-13
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	3-12
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	3-8

### Accessories

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold Separately	322
WCR 275 BLACK	2-core rubber cable	Sold Separately	323

## Ground Lights

**IP68** IP68 perfect for internal or external applications

**Coastal protected**

**IK07** IK07 impact protection - walk over (Stainless Steel only)

### Guarantee

7 years

### Features & benefits

Supplied complete with installation tube

Low voltage ground light

SDCM3 ensuring uniform light appearance and consistency

CRI 80 providing true colour appearance

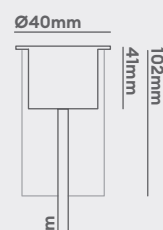
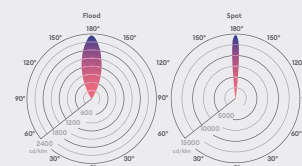
Available in a new 2200K setting to create a warm and cosy environment with minimal disruption to natural habitat

Compact yet powerful fitting

Robust cable for outdoor use

Available in an array of colours

Beam angle: 38° 12°



## Ground Lights

**IP68** perfect for internal or external applications

**Coastal protected**

**IK07** impact protection - walk over (Stainless Steel only)

### Guarantee

7 years

### Features & benefits

Supplied complete with installation tube

Low voltage ground light

SDCM3 ensuring uniform light appearance and consistency

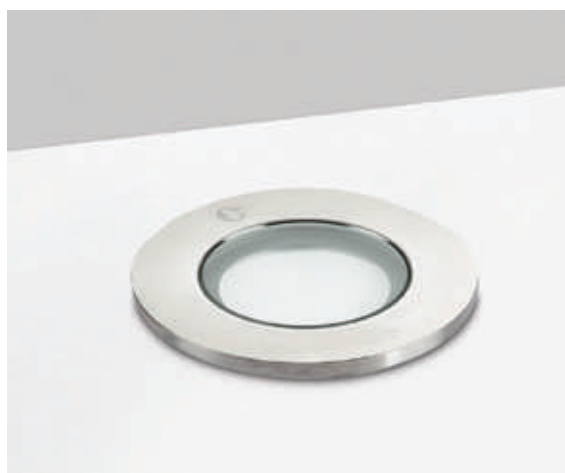
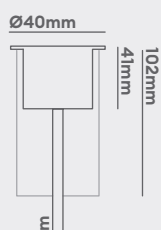
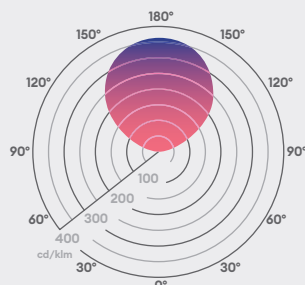
CRI 80 providing true colour appearance

Available in a new 2200K setting to create a warm and cosy environment with minimal disruption to natural habitat

Compact yet powerful fitting

Robust cable for outdoor use

Beam angle: **100°**



## GL019 Frosted

Low Voltage Ground Light

### Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	150mA / 250mA / 350mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	33mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless Steel
Suitable for coastal areas	Yes
Weight	196g
Maximum ambient temperature	55°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

### Photometrics @ 25°C

Product code	Finish	CCT	Beam angle	150mA			350mA			Energy
				W	lm	lm/W	W	lm	lm/W	
GL019SSFD22	Stainless steel 316	2200K	100°	0.4W	11	27	1W	27	27	A C
GL019SSFD27	Stainless steel 316	2700K	100°	0.4W	13	33	1W	32	32	A C
GL019SSFD30	Stainless steel 316	3000K	100°	0.4W	13	33	1W	32	32	A C
GL019SSFD40	Stainless steel 316	4000K	100°	0.4W	13	33	1W	32	32	A C

In the part code to replace your colour change SS (Stainless Steel) to AB (Antique Brass) or BK (Black). **Important:** AB finish is made to order. Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (150-350mA)	220-240V	Yes	No	N/A	1-13
DRV350700TD (350mA)	220-240V	Yes	Yes	N/A	3-12
PSIP35018W	220-240V	Yes	No	1	8-15

### Accessories

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold Separately	322
WCR 275 BLACK	2-core rubber cable	Sold Separately	323





# Ground Lights

**IP68** perfect for internal or external applications

**Coastal protected**

**IK07** impact protection - walk over (Stainless Steel only)

## Guarantee

7 years

## Features & benefits

Supplied complete with installation tube

Low voltage ground light

SDCM3 ensuring uniform light appearance and consistency

CRI 80 providing true colour appearance

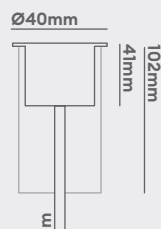
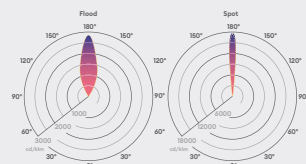
Available in a new 2200K setting to create a warm and cosy environment with minimal disruption to natural habitat

Compact yet powerful fitting

Robust cable for outdoor use

Available in an array of colours

Beam angle: 30° 12°



## GL019 Low Glare

Low Voltage Ground Light

## Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	150mA / 250mA / 350mA / 500mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

## Installation information

Cut out size (mm)	33mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless Steel
Suitable for coastal areas	Yes
Weight	204g
Maximum ambient temperature	55°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

## Photometrics @ 25°C

Product code	Finish	CCT	Beam angle	150mA			700mA			Energy
				W	lm	lm/W	W	lm	lm/W	
GL019SSLG22F	Stainless steel 316	2200K	30°	0.4W	31	74	2.2W	120	55	100lm/W
GL019SSLG22S	Stainless steel 316	2200K	12°	0.4W	31	74	2.2W	120	55	100lm/W
GL019SSLG27F	Stainless steel 316	2700K	30°	0.4W	31	74	2.2W	120	55	100lm/W
GL019SSLG27S	Stainless steel 316	2700K	12°	0.4W	31	74	2.2W	120	55	100lm/W
GL019SSLG30F	Stainless steel 316	3000K	30°	0.4W	33	79	2.2W	128	58	100lm/W
GL019SSLG30S	Stainless steel 316	3000K	12°	0.4W	33	79	2.2W	128	58	100lm/W
GL019SSLG40F	Stainless steel 316	4000K	30°	0.4W	37	87	2.2W	143	65	100lm/W
GL019SSLG40S	Stainless steel 316	4000K	12°	0.4W	37	87	2.2W	143	65	100lm/W

In the part code to replace your colour, change SS (Stainless Steel) to AB (Antique Brass) or BK (Black). **Important:** BK & AB finish are made to order. Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

## Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-13
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	3-12
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	3-8

## Accessories

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold Separately	322
WCR 275 BLACK	2-core rubber cable	Sold Separately	323





# GL019 Ultra Low Glare

Low Voltage Ground Light

## Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	150mA / 250mA / 350mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

## Installation information

Cut out size (mm)	33mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless Steel
Suitable for coastal areas	Yes
Weight	204g
Maximum ambient temperature	55°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

## Photometrics @ 25°C

Product code	Finish	CCT	Beam angle	150mA			350mA			Energy
				W	lm	lm/W	W	lm	lm/W	
GL019USS22F	Stainless steel 316	2200K	38°	0.4W	36	85	1W	77	77	D
GL019USS22S	Stainless steel 316	2200K	12°	0.4W	41	98	1W	89	89	D
GL019USS27F	Stainless steel 316	2700K	38°	0.4W	36	85	1W	77	77	D
GL019USS27S	Stainless steel 316	2700K	12°	0.4W	41	98	1W	89	89	D
GL019USS30F	Stainless steel 316	3000K	38°	0.4W	38	90	1W	82	82	D
GL019USS30S	Stainless steel 316	3000K	12°	0.4W	44	105	1W	95	95	D
GL019USS40F	Stainless steel 316	4000K	38°	0.4W	42	101	1W	91	91	D
GL019USS40S	Stainless steel 316	4000K	12°	0.4W	49	117	1W	106	106	D

In the part code to replace your colour change SS (Stainless Steel) to AB (Antique Brass) or BK (Black). **Important:** AB finish is made to order. Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

## Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-13
DRV350700TD (350mA)	220-240V	Yes	Yes	N/A	3-12
PSIP35018W	220-240V	Yes	No	1	8-16

## Accessories

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold Separately	322
WCR 275 BLACK	2-core rubber cable	Sold Separately	323

## Ground Lights

**IP68** IP68 perfect for internal or external applications

**Coastal protected**

**IK07** IK07 impact protection - walk over (Stainless Steel only)

## Guarantee

7 years

## Features & benefits

Supplied complete with installation tube

Low voltage ground light

SDCM3 ensuring uniform light appearance and consistency

CRI 80 providing true colour appearance

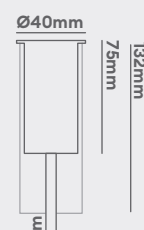
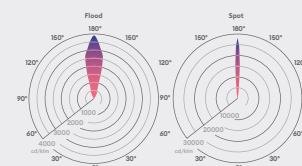
Available in a new 2200K setting to create a warm and cosy environment with minimal disruption to natural habitat

Compact yet powerful fitting

Robust cable for outdoor use

Available in an array of colours

Beam angle: 38° 12°



## Ground Lights



**IP68** perfect for internal or external applications



**Coastal protected**



**IK07** impact protection - walk over (Stainless Steel only)

### Guarantee

7 years

### Features & benefits

Supplied complete with installation tube

Low voltage ground light

SDCM3 ensuring uniform light appearance and consistency

CRI 80 providing true colour appearance

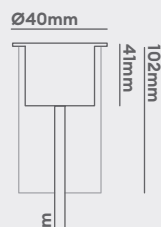
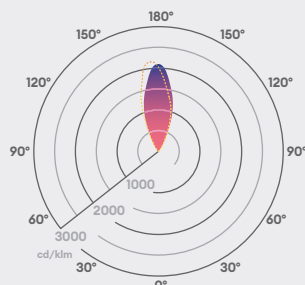
Available in a new 2200K setting to create a warm and cosy environment with minimal disruption to natural habitat

Compact yet powerful fitting

Robust cable for outdoor use

Available in an array of colours

Beam angle: 38°



## GL019 Half Moon

Low Voltage Ground Light

### Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	150mA / 250mA / 350mA / 500mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	33mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless Steel
Suitable for coastal areas	Yes
Weight	204g
Maximum ambient temperature	55°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

### Photometrics @ 25°C

Product code	Finish	CCT	Beam angle	150mA			700mA			Energy
				W	lm	lm/W	W	lm	lm/W	
GL019SSHM22	Stainless steel 316	2200K	38°	0.4W	34	80	2.2W	131	60	100%
GL019SSHM27	Stainless steel 316	2700K	38°	0.4W	34	80	2.2W	131	60	100%
GL019SSHM30	Stainless steel 316	3000K	38°	0.4W	36	86	2.2W	140	64	100%
GL019SSHM40	Stainless steel 316	4000K	38°	0.4W	40	95	2.2W	156	71	100%

In the part code to replace your colour change SS (Stainless Steel) to AB (Antique Brass) or BK (Black). **Important:** All finishes are made to order. Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-13
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	3-12
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	3-8

### Accessories

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold Separately	322
WCR 275 BLACK	2-core rubber cable	Sold Separately	323



## GL019 Square

Low Voltage Ground Light

### Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	150mA / 250mA / 350mA / 500mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	33mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless Steel
Suitable for coastal areas	Yes
Weight	204g
Maximum ambient temperature	55°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

### Photometrics @ 25°C

Product code	Finish	CCT	Beam angle	150mA			700mA			Energy
				W	lm	lm/W	W	lm	lm/W	
GL019SQSS30F	Stainless steel 316	3000K	38°	0.4W	54	129	2.2W	210	95	10
GL019SQSS40F	Stainless steel 316	4000K	38°	0.4W	60	143	2.2W	234	106	10
GL019SQSS40S	Stainless steel 316	4000K	12°	0.4W	60	143	2.2W	234	106	10

In the part code to replace your colour, change SS (Stainless Steel) to AB (Antique Brass) or BK (Black). **Important:** BK & AB finish are made to order. Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-13
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	3-12
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	3-8

### Accessories

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold Separately	322
WCR 275 BLACK	2-core rubber cable	Sold Separately	323

## Ground Lights

**IP68** IP68 perfect for internal or external applications

**Coastal protected**

**IK07** IK07 impact protection - walk over (Stainless Steel only)

### Guarantee

7 years

### Features & benefits

Supplied complete with installation tube

Low voltage ground light

SDCM3 ensuring uniform light appearance and consistency

CRI 80 providing true colour appearance

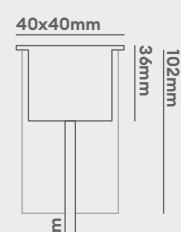
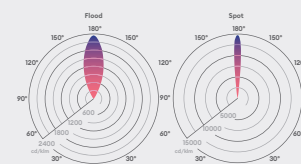
Available in a new 2200K setting to create a warm and cosy environment with minimal disruption to natural habitat

Compact yet powerful fitting

Robust cable for outdoor use

Available in an array of colours

Beam angle: 38° 12°



# Ground Lights

- IP68** perfect for internal or external applications
- Coastal protected**
- IK07** impact protection - walk over (Stainless Steel only)

## Guarantee

7 years

## Features & benefits

Supplied complete with installation tube

Low voltage ground light

Walk over ground light ideal for paths or steps

SDCM3 ensuring uniform light appearance and consistency

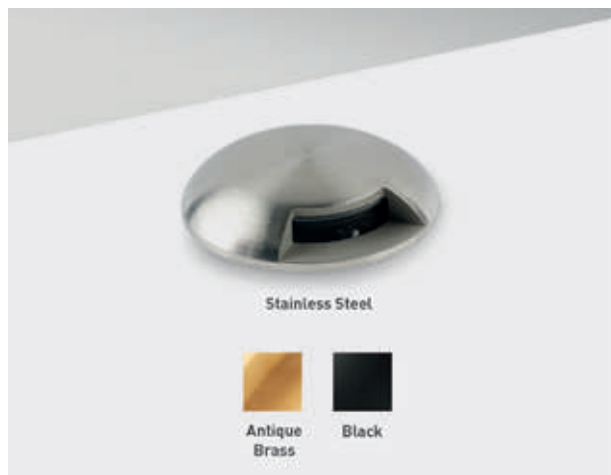
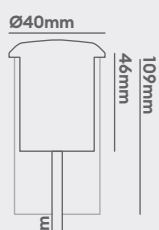
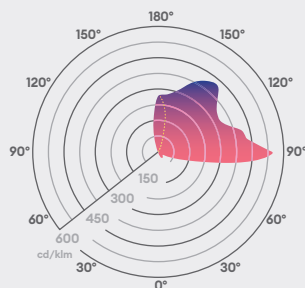
CRI 80 providing true colour appearance

Available in a new 2200K setting to create a warm and cosy environment with minimal disruption to natural habitat

Long-lifetime of 70,000hrs

Available in an array of colours

Beam angle: 75°



## GL100 1 window

Domed Ground Light

## Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	150mA / 250mA / 350mA / 500mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

## Installation information

Cut out size (mm)	33
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless Steel
Suitable for coastal areas	Yes
Weight	GL100AB: 236g, GL100BK: TBC, GL100SS: 221g
Maximum ambient temperature	55°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

## Photometrics @ 25°C

Product code	Finish	Window	CCT	Beam angle	150mA			700mA			Energy
					W	lm	lm/W	W	lm	lm/W	
GL100SS1W22	Stainless steel 316	1 Window	2200K	75°	0.4W	1	3	2.2W	5	2	A D
GL100SS1W27	Stainless steel 316	1 Window	2700K	75°	0.4W	1	3	2.2W	5	2	A D
GL100SS1W30	Stainless steel 316	1 Window	3000K	75°	0.4W	1	3	2.2W	6	3	A D
GL100SS1W40	Stainless steel 316	1 Window	4000K	75°	0.4W	2	4	2.2W	6	3	A D

In the part code to replace your colour change SS (Stainless Steel) to AB (Antique Brass) or BK (Black). **Important:** BK finish is made to order. Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

## Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-13
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	3-12
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	3-8

## Accessories

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold Separately	322
WCR 275 BLACK	2-core rubber cable	Sold Separately	323





## GL100 2 windows 2 directions

Domed Ground Light

### Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	150mA / 250mA / 350mA / 500mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	33
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless Steel
Suitable for coastal areas	Yes
Weight	GL100AB: 231g, GL100BK: TBC, GL100SS: 217g
Maximum ambient temperature	55°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

### Photometrics @ 25°C

Product code	Finish	Window	CCT	°	150mA			700mA			Energy
					W	lm	lm/W	W	lm	lm/W	
GL100SS2O22	Stainless steel 316	2 Windows 2 Directions	2200K	75°	0.4W	3	6	2.2W	10	5	▶
GL100SS2O27	Stainless steel 316	2 Windows 2 Directions	2700K	75°	0.4W	3	6	2.2W	10	5	▶
GL100SS2O30	Stainless steel 316	2 Windows 2 Directions	3000K	75°	0.4W	3	7	2.2W	11	5	▶
GL100SS2O40	Stainless steel 316	2 Windows 2 Directions	4000K	75°	0.4W	3	8	2.2W	12	6	▶
GL100SS2W22	Stainless steel 316	2 Windows 1 Direction	2200K	75°	0.4W	3	6	2.2W	10	5	▶
GL100SS2W27	Stainless steel 316	2 Windows 1 Direction	2700K	75°	0.4W	3	6	2.2W	10	5	▶
GL100SS2W30	Stainless steel 316	2 Windows 1 Direction	3000K	75°	0.4W	3	7	2.2W	11	5	▶
GL100SS2W40	Stainless steel 316	2 Windows 1 Direction	4000K	75°	0.4W	3	8	2.2W	12	6	▶

In the part code to replace your colour change SS (Stainless Steel) to AB (Antique Brass) or BK (Black). **Important:** BK finish is made to order. Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-13
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	3-12
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	3-8

### Accessories

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold Separately	322
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## Ground Lights

**IP68** IP68 perfect for internal or external applications

**Coastal protected**

**IK07** IK07 impact protection - walk over (Stainless Steel only)

### Guarantee

7 years

### Features & benefits

Supplied complete with installation tube

Low voltage ground light

Walk over ground light ideal for paths or steps

SDCM3 ensuring uniform light appearance and consistency

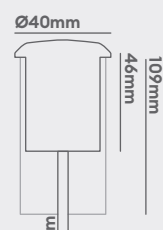
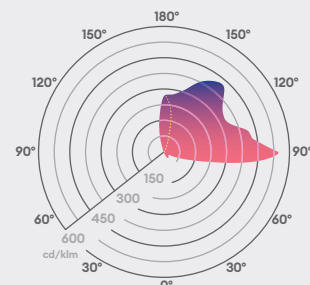
CRI 80 providing true colour appearance

Available in a new 2200K setting to create a warm and cosy environment with minimal disruption to natural habitat

Long-lifetime of 70,000hrs

Available in an array of colours

Beam angle: 75°



# Ground Lights

**IP68** perfect for internal or external applications

**Coastal protected**

**IK07** impact protection - walk over (Stainless Steel only)

## Guarantee

7 years

## Features & benefits

Supplied complete with installation tube

Low voltage ground light

Walk over ground light ideal for paths or steps

SDCM3 ensuring uniform light appearance and consistency

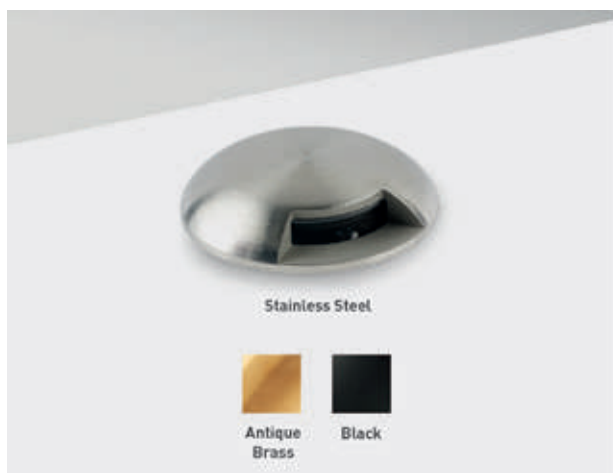
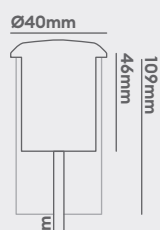
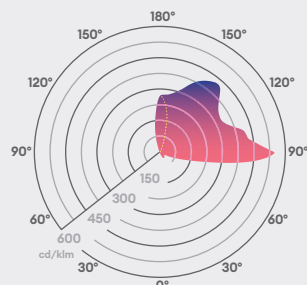
CRI 80 providing true colour appearance

Available in a new 2200K setting to create a warm and cosy environment with minimal disruption to natural habitat

Long-lifetime of 70,000hrs

Available in an array of colours

Beam angle: 75°



## GL100 3 windows

Domed Ground Light

## Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	150mA / 250mA / 350mA / 500mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

## Installation information

Cut out size (mm)	33
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless Steel
Suitable for coastal areas	Yes
Weight	GL100AB: 228g, GL100BK: TBC, GL100SS: 215g
Maximum ambient temperature	55°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

## Photometrics @ 25°C

Product code	Finish	Window	CCT	Beam angle	150mA			700mA			Energy
					W	lm	lm/W	W	lm	lm/W	
GL100SS3W22	Stainless steel 316	3 Windows	2200K	75°	0.4W	4	10	2.2W	16	7	A D
GL100SS3W27	Stainless steel 316	3 Windows	2700K	75°	0.4W	4	10	2.2W	16	7	A D
GL100SS3W30	Stainless steel 316	3 Windows	3000K	75°	0.4W	4	10	2.2W	17	8	A D
GL100SS3W40	Stainless steel 316	3 Windows	4000K	75°	0.4W	5	11	2.2W	19	8	A D

In the part code to replace your colour change SS (Stainless Steel) to AB (Antique Brass) or BK (Black). **Important:** BK finish is made to order. Energy rating is a reflection of the LED light source.

## Wiring information

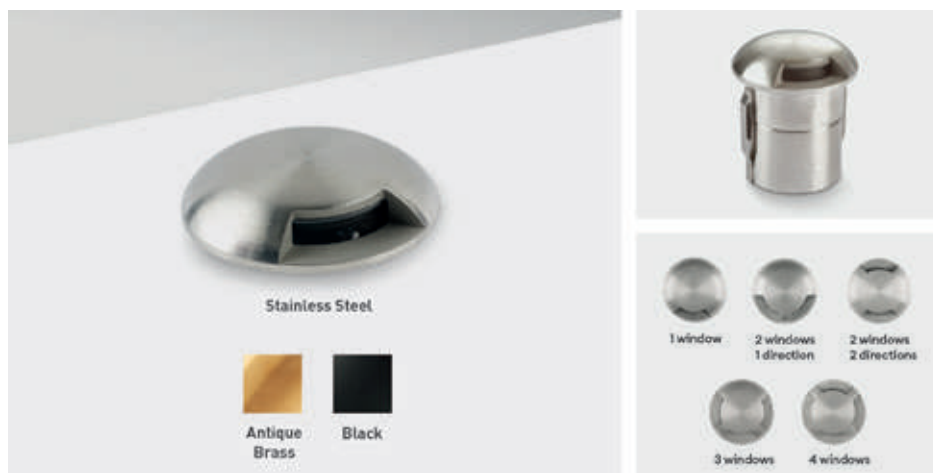
Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

## Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-13
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	3-12
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	3-8

## Accessories

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold Separately	322
WCR 275 BLACK	2-core rubber cable	Sold Separately	323



## GL100 4 windows

Domed Ground Light

### Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	150mA / 250mA / 350mA / 500mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	33
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless Steel
Suitable for coastal areas	Yes
Weight	GL100AB: 221g, GL100BK: TBC, GL100SS: 212g
Maximum ambient temperature	55°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

### Photometrics @ 25°C

Product code	Finish	Window	CCT	Beam angle	150mA			700mA			Energy
					W	lm	lm/W	W	lm	lm/W	
GL100SS4W22	Stainless steel 316	4 Windows	2200K	75°	0.4W	5	11	2.2W	18	8	11 D
GL100SS4W27	Stainless steel 316	4 Windows	2700K	75°	0.4W	5	11	2.2W	18	8	11 D
GL100SS4W30	Stainless steel 316	4 Windows	3000K	75°	0.4W	5	12	2.2W	20	9	11 D
GL100SS4W40	Stainless steel 316	4 Windows	4000K	75°	0.4W	6	13	2.2W	22	10	11 D

In the part code to replace your colour change SS (Stainless Steel) to AB (Antique Brass) or BK (Black). **Important:** BK finish is made to order. Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-13
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	3-12
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	3-8

### Accessories

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold Separately	322
WCR 275 BLACK	2-core rubber cable	Sold Separately	323

## Ground Lights

**IP68** IP68 perfect for internal or external applications

**Coastal protected**

**IK07** IK07 impact protection - walk over (Stainless Steel only)

### Guarantee

7 years

### Features & benefits

Supplied complete with installation tube

Low voltage ground light

Walk over ground light ideal for paths or steps

SDCM3 ensuring uniform light appearance and consistency

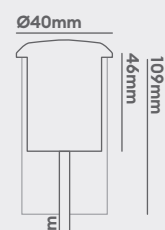
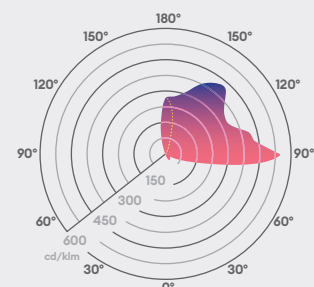
CRI 80 providing true colour appearance

Available in a new 2200K setting to create a warm and cosy environment with minimal disruption to natural habitat

Long-lifetime of 70,000hrs

Available in an array of colours

Beam angle: 75°











## GL200 (1-2 Windows)

5.7W, 40lm, domed ground light

### Features

IK rating	IK10
IP rating	IP65
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	70
Bathroom zone	2
Inrush current	31A 0.12ms
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	960g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

### Photometrics @ 25°C

Product code	Finish	Window	W	CCT	∠°	lm	lm/W	Energy
GL200DX1X27	Stainless steel 316	1 Window	5.7W	2700K	90°	10	2	
GL200DX1X30	Stainless steel 316	1 Window	5.7W	3000K	90°	10	2	
GL200DX1X40	Stainless steel 316	1 Window	5.7W	4000K	90°	10	2	
GL200DX2127	Stainless steel 316	2 Windows 1 Direction	5.7W	2700K	90°	20	4	
GL200DX2130	Stainless steel 316	2 Windows 1 Direction	5.7W	3000K	90°	20	4	
GL200DX2140	Stainless steel 316	2 Windows 1 Direction	5.7W	4000K	90°	20	4	
GL200DX2227	Stainless steel 316	2 Windows 2 Directions	5.7W	2700K	90°	20	4	
GL200DX2230	Stainless steel 316	2 Windows 2 Directions	5.7W	3000K	90°	20	4	
GL200DX2240	Stainless steel 316	2 Windows 2 Directions	5.7W	4000K	90°	20	4	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

### Accessories

JB5	Gell filled waterproof connector	Sold Separately	322
TUBE/68	Installation tube	Sold Separately	202
WC 5-9	Quick waterproof connector	Sold Separately	322

## Ground Lights

**5.7W** 5.7W

Coastal protected

Straight to mains ground light

### Guarantee

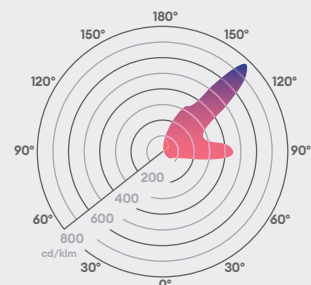
7 years

### Features & benefits

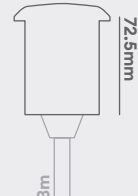
Marine grade stainless steel 316 or antique brass

5 window styles and colour temperatures to suit any installation

Beam angle: 90°



Ø76mm



## Ground Lights



5.7W



Coastal protected



Straight to mains ground light

### Guarantee

7 years

### Features & benefits

Marine grade stainless steel 316 or antique brass

5 window styles and colour temperatures to suit any installation



## GL200 (3-4 Windows)

5.7W, 40lm, domed ground light

### Features

IK rating	IK10
IP rating	IP65
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	70
Bathroom zone	2
Inrush current	31A 0.12ms
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	940g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

### Photometrics @ 25°C

Product code	Finish	Window	W	CCT	Beam angle	lm	lm/W	Energy
GL200DX3X27	Stainless steel 316	3 Windows	5.7W	2700K	90°	30	5	
GL200DX3X30	Stainless steel 316	3 Windows	5.7W	3000K	90°	30	5	
GL200DX4X27	Stainless steel 316	4 Windows	5.7W	2700K	90°	40	7	
GL200DX4X30	Stainless steel 316	4 Windows	5.7W	3000K	90°	40	7	
GL200DX4X40	Stainless steel 316	4 Windows	5.7W	4000K	90°	40	7	

Energy rating is a reflection of the LED light source.

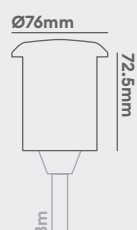
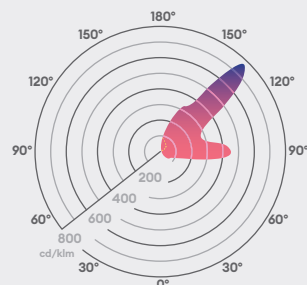
### Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

### Accessories

JB5	Gell filled waterproof connector	Sold Separately	<b>322</b>
TUBE/68	Installation tube	Sold Separately	<b>202</b>
WC 5-9	Quick waterproof connector	Sold Separately	<b>322</b>

Beam angle: 90°









## Ground Lights



5.7W



Coastal protected



Straight to mains ground light

### Guarantee

7 years

### Features & benefits

Marine grade stainless steel 316 or antique brass

5 window styles and colour temperatures to suit any installation



## GL200 (1-2 Windows)

5.7W, 40lm, domed ground light

### Features

IK rating	IK10
IP rating	IP65
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	70
Bathroom zone	2
Inrush current	31A 0.12ms
Construction material	Brass
Suitable for coastal areas	Yes
Weight	1060g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

### Photometrics @ 25°C

Product code	Finish	Window	W	CCT	Beam angle	lm	lm/W	Energy
GL200AX1X30	Antique brass	1 Window	5.7W	3000K	90°	10	2	A E
GL200AX2130	Antique brass	2 Windows 1 Direction	5.7W	3000K	90°	20	4	A E
GL200AX2230	Antique brass	2 Windows 2 Direction	5.7W	3000K	90°	20	4	A E

Energy rating is a reflection of the LED light source.

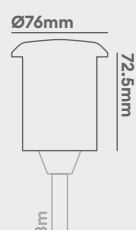
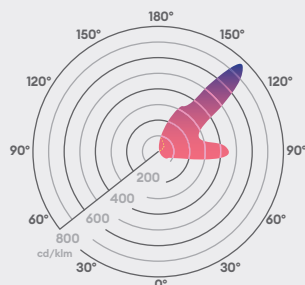
### Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

### Accessories

JB5	Gell filled waterproof connector	Sold Separately	322
TUBE/68	Installation tube	Sold Separately	202
WC 5-9	Quick waterproof connector	Sold Separately	322

Beam angle: 90°







## GL200 (3-4 Windows)

5.7W, 40lm, domed ground light

### Features

IK rating	IK10
IP rating	IP65
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	70
Bathroom zone	2
Inrush current	31A 0.12ms
Construction material	Brass
Suitable for coastal areas	Yes
Weight	1060g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

### Photometrics @ 25°C

Product code	Finish	Window	W	CCT	Beam angle	lm	lm/W	Energy
GL200AX3X30	Antique brass	3 Windows	5.7W	3000K	90°	30	5	
GL200AX4X30	Antique brass	4 Windows	5.7W	3000K	90°	40	7	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

### Accessories

JB5	Gell filled waterproof connector	Sold Separately	322
TUBE/68	Installation tube	Sold Separately	202
WC 5-9	Quick waterproof connector	Sold Separately	322

## Ground Lights

**5.7W** 5.7W

Coastal protected

Straight to mains ground light

### Guarantee

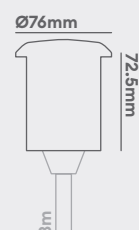
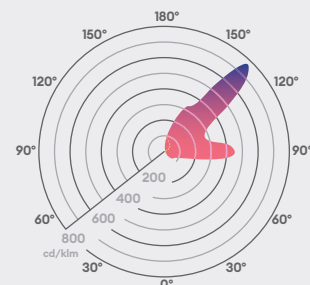
7 years

### Features & benefits

Marine grade stainless steel 316 or antique brass

5 window styles and colour temperatures to suit any installation

Beam angle: 90°







## GL016 Round

Low Voltage Ground Light

### Features

IK rating	IK09
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	150mA / 250mA / 350mA / 500mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	50mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless Steel
Suitable for coastal areas	Yes
Weight	GL016AB: TBC, GL016BK: 180g, GL016SS: 400g
Maximum ambient temperature	55°C
SELV	Yes
Electric class (1, 2, 3)	3
Earth leakage	N/A

### Photometrics @ 25°C

Product code	Finish	CCT	Beam angle	150mA			700mA			Energy
				W	lm	lm/W	W	lm	lm/W	
GL016RSS22F	Stainless steel 316	2200K	40°	0.4W	51	120	2.2W	196	89	100lm/W
GL016RSS22S	Stainless steel 316	2200K	12°	0.4W	51	120	2.2W	196	89	100lm/W
GL016RSS27F	Stainless steel 316	2700K	40°	0.4W	51	120	2.2W	169	89	100lm/W
GL016RSS27S	Stainless steel 316	2700K	12°	0.4W	51	120	2.2W	169	89	100lm/W
GL016RSS30F	Stainless steel 316	3000K	40°	0.4W	54	129	2.2W	210	95	100lm/W
GL016RSS30S	Stainless steel 316	3000K	12°	0.4W	54	129	2.2W	210	95	100lm/W
GL016RSS40F	Stainless steel 316	4000K	40°	0.4W	60	143	2.2W	234	106	100lm/W
GL016RSS40S	Stainless steel 316	4000K	12°	0.4W	60	143	2.2W	234	106	100lm/W

In the part code to replace your colour, change SS (Stainless Steel) to AB (Antique Brass) or BK (Black).

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-13
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	3-12
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	3-8

### Accessories

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold Separately	322
WCR 275 BLACK	2-core rubber cable	Sold Separately	323

## Ground Lights

**IP68** IP68 perfect for internal or external applications

**Coastal protected**

**IK09** IK09 impact protection - walk over (Stainless Steel only)

### Guarantee

7 years

### Features & benefits

Supplied complete with installation tube

SDCM3 ensuring uniform light appearance and consistency

CRI 80 providing true colour appearance

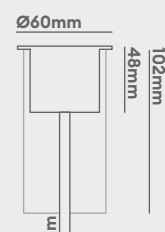
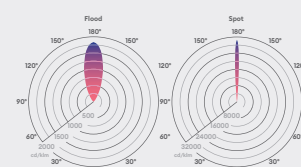
Available in a new 2200K setting to create a warm and cosy environment with minimal disruption to natural habitat

Robust cable for outdoor use

Shallow depth for easy installation

Available in an array of colours

Beam angle: 40° 12°





## Ground Lights

**IP68** IP68 perfect for internal or external applications

**Coastal protected**

**IK09** IK09 impact protection - walk over (Stainless Steel only)

### Guarantee

7 years

### Features & benefits

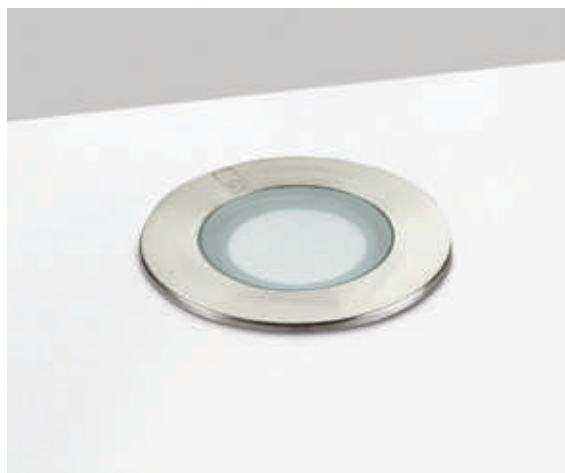
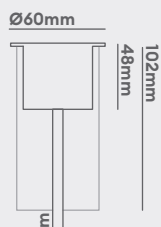
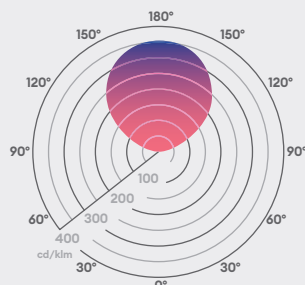
Supplied complete with installation tube

SDCM3 ensuring uniform light appearance and consistency

CRI 80 providing true colour appearance

Available in a new 2200K setting to create a warm and cosy environment with minimal disruption to natural habitat

Beam angle: 100°



## GL016 Frosted

Low Voltage Ground Light

### Features

IK rating	IK09
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	150mA / 250mA / 350mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	50mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless Steel
Suitable for coastal areas	Yes
Weight	GL016AB: TBC, GL016BK: 180g, GL016SS: 400g
Maximum ambient temperature	55°C
SELV	Yes
Electric class (1, 2, 3)	3
Earth leakage	N/A

### Photometrics @ 25°C

Product code	Finish	CCT	Beam angle	150mA			350mA			Energy
				W	lm	lm/W	W	lm	lm/W	
GL016SSFD22	Stainless steel 316	2200K	100°	0.4W	12	29	1W	25	25	100lm/W
GL016SSFD27	Stainless steel 316	2700K	100°	0.4W	14	35	1W	30	30	100lm/W
GL016SSFD30	Stainless steel 316	3000K	100°	0.4W	14	35	1W	30	30	100lm/W
GL016SSFD40	Stainless steel 316	4000K	100°	0.4W	14	35	1W	30	30	100lm/W

In the part code to replace your colour change SS (Stainless Steel) to AB (Antique Brass) or BK (Black). **Important:** AB finish is made to order. Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (150-350mA)	220-240V	Yes	No	N/A	1-13
DRV350700TD (350mA)	220-240V	Yes	Yes	N/A	3-12
PSIP35018W	220-240V	Yes	No	1	9-17

### Accessories

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold Separately	322
WCR 275 BLACK	2-core rubber cable	Sold Separately	323







# Ground Lights

**IP68** IP68 perfect for internal or external applications

**Coastal protected**

**IK09** IK09 impact protection - walk over (Stainless Steel only)

## Guarantee

7 years

## Features & benefits

Supplied complete with installation tube

SDCM3 ensuring uniform light appearance and consistency

CRI 80 providing true colour appearance

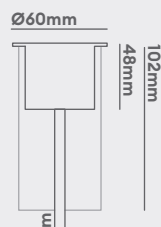
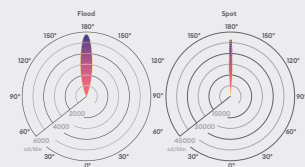
Available in a new 2200K setting to create a warm and cosy environment with minimal disruption to natural habitat

Robust cable for outdoor use

Shallow depth for easy installation

Available in an array of colours

Beam angle: 30° 8°



## GL016 Low Glare

Low Voltage Ground Light

## Features

IK rating	IK09
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	150mA / 250mA / 350mA / 500mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

## Installation information

Cut out size (mm)	50mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless Steel
Suitable for coastal areas	Yes
Weight	GL016AB: TBC, GL016BK: 180g, GL016SS: 400g
Maximum ambient temperature	55°C
SELV	Yes
Electric class (1, 2, 3)	3
Earth leakage	N/A

## Photometrics @ 25°C

Product code	Finish	CCT	Beam angle	150mA			700mA			Energy
				W	lm	lm/W	W	lm	lm/W	
GL016SSLG22F	Stainless steel 316	2200K	30°	0.4W	31	74	2.2W	120	55	322
GL016SSLG22S	Stainless steel 316	2200K	8°	0.4W	31	74	2.2W	120	55	322
GL016SSLG27F	Stainless steel 316	2700K	30°	0.4W	31	74	2.2W	120	55	322
GL016SSLG27S	Stainless steel 316	2700K	8°	0.4W	31	74	2.2W	120	55	322
GL016SSLG30F	Stainless steel 316	3000K	30°	0.4W	33	79	2.2W	128	58	322
GL016SSLG30S	Stainless steel 316	3000K	8°	0.4W	33	79	2.2W	128	58	322
GL016SSLG40F	Stainless steel 316	4000K	30°	0.4W	37	87	2.2W	143	65	322
GL016SSLG40S	Stainless steel 316	4000K	8°	0.4W	37	87	2.2W	143	65	322

In the part code to replace your colour, change SS (Stainless Steel) to AB (Antique Brass) or BK (Black).  
Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

## Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-13
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	3-12
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	3-8

## Accessories

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold Separately	322
WCR 275 BLACK	2-core rubber cable	Sold Separately	323



# GL016 Ultra Low Glare

Low Voltage Ground Light

## Features

IK rating	IK09
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	150mA / 250mA / 350mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

## Installation information

Cut out size (mm)	50mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless Steel
Suitable for coastal areas	Yes
Weight	GL016AB: TBC, GL016BK: 180g, GL016SS: 400g
Maximum ambient temperature	55°C
SELV	Yes
Electric class (1, 2, 3)	3
Earth leakage	N/A

## Photometrics @ 25°C

Product code	Finish	CCT	Beam angle	150mA			350mA			Energy
				W	lm	lm/W	W	lm	lm/W	
GL016USS22F	Stainless steel 316	2200K	34°	0.4W	51	120	1W	109	109	1D
GL016USS27F	Stainless steel 316	2700K	34°	0.4W	51	120	1W	109	109	1D
GL016USS30F	Stainless steel 316	3000K	34°	0.4W	54	129	1W	116	116	1D
GL016USS40F	Stainless steel 316	4000K	34°	0.4W	60	143	1W	129	129	1D

In the part code to replace your colour change SS (Stainless Steel) to AB (Antique Brass) or BK (Black). **Important:** All finishes are made to order. Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

## Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-13
DRV350700TD (350mA)	220-240V	Yes	Yes	N/A	3-12
PSIP35018W	220-240V	Yes	No	1	8-16

## Accessories

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold Separately	322
WCR 275 BLACK	2-core rubber cable	Sold Separately	323

## Ground Lights

**IP68** IP68 perfect for internal or external applications

**Coastal protected**

**IK09** IK09 impact protection - walk over (Stainless Steel only)

## Guarantee

7 years

## Features & benefits

Supplied complete with installation tube

SDCM3 ensuring uniform light appearance and consistency

CRI 80 providing true colour appearance

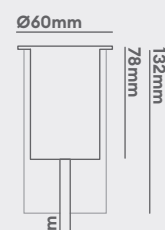
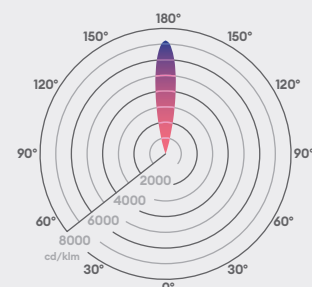
Available in a new 2200K setting to create a warm and cosy environment with minimal disruption to natural habitat

Robust cable for outdoor use

Shallow depth for easy installation

Available in an array of colours

Beam angle: 34°



## Ground Lights

**IP68** IP68 perfect for internal or external applications

**Coastal protected**

**IK09** IK09 impact protection - walk over (Stainless Steel only)

### Guarantee

7 years

### Features & benefits

Supplied complete with installation tube

SDCM3 ensuring uniform light appearance and consistency

CRI 80 providing true colour appearance

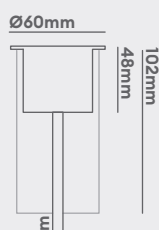
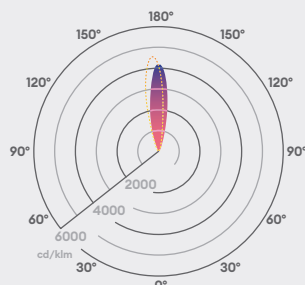
Available in a new 2200K setting to create a warm and cosy environment with minimal disruption to natural habitat

Robust cable for outdoor use

Shallow depth for easy installation

Available in an array of colours

Beam angle: 20°



## GL016 Half Moon

Low Voltage Ground Light

### Features

IK rating	IK09
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	150mA / 250mA / 350mA / 500mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	50mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless Steel
Suitable for coastal areas	Yes
Weight	GL016AB: TBC, GL016BK: 180g, GL016SS: 400g
Maximum ambient temperature	55°C
SELV	Yes
Electric class (1, 2, 3)	3
Earth leakage	N/A

### Photometrics @ 25°C

Product code	Finish	CCT	Beam angle	150mA			700mA			Energy
				W	lm	lm/W	W	lm	lm/W	
GL016SSHM22	Stainless steel 316	2200K	20°	0.4W	19	46	2.2W	75	38	100lm/W
GL016SSHM27	Stainless steel 316	2700K	20°	0.4W	19	46	2.2W	75	38	100lm/W
GL016SSHM30	Stainless steel 316	3000K	20°	0.4W	21	49	2.2W	80	36	100lm/W
GL016SSHM40	Stainless steel 316	4000K	20°	0.4W	23	54	2.2W	89	40	100lm/W

In the part code to replace your colour change SS (Stainless Steel) to AB (Antique Brass) or BK (Black). **Important:** All finishes are made to order. Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-13
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	3-12
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	3-8

### Accessories

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold Separately	322
WCR 275 BLACK	2-core rubber cable	Sold Separately	323





## GL016 Square

Low Voltage Ground Light

### Features

IK rating	IK09
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	150mA / 250mA / 350mA / 500mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	50mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless Steel
Suitable for coastal areas	Yes
Weight	GL016AB: TBC, GL016BK: 180g, GL016SS: 400g
Maximum ambient temperature	55°C
SELV	Yes
Electric class (1, 2, 3)	3
Earth leakage	N/A

### Photometrics @ 25°C

Product code	Finish	CCT	Beam angle	150mA			700mA			Energy
				W	lm	lm/W	W	lm	lm/W	
GL016SQSS27F	Stainless steel 316	2200K	40°	0.4W	51	120	2.2W	196	89	100lm/W
GL016SQSS30F	Stainless steel 316	2200K	40°	0.4W	51	129	2.2W	196	95	100lm/W
GL016SQSS40F	Stainless steel 316	2200K	40°	0.4W	51	143	2.2W	196	106	100lm/W

In the part code to replace your colour, change SS (Stainless Steel) to AB (Antique Brass) or BK (Black). **Important:** BK & AB finish are made to order. Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-13
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	3-12
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	3-8

### Accessories

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold Separately	322
WCR 275 BLACK	2-core rubber cable	Sold Separately	323

## Ground Lights

**IP68** IP68 perfect for internal or external applications

**Coastal protected**

**IK09** IK09 impact protection - walk over (Stainless Steel only)

### Guarantee

7 years

### Features & benefits

Supplied complete with installation tube

SDCM3 ensuring uniform light appearance and consistency

CRI 80 providing true colour appearance

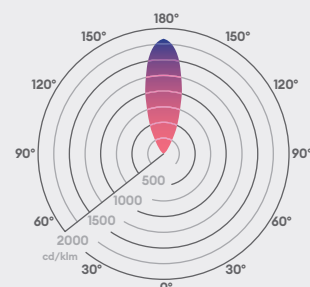
Available in a new 2200K setting to create a warm and cosy environment with minimal disruption to natural habitat

Robust cable for outdoor use

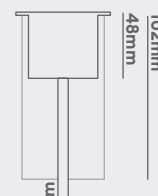
Shallow depth for easy installation

Available in an array of colours

Beam angle: 40°



60x60mm



## Ground Lights

**IP68** IP65 perfect for internal or external applications

**Coastal protected**

**IK08** IK08 impact protection - walk over (Stainless Steel only)

### Guarantee

7 years

### Features & benefits

Supplied complete with installation tube

SDCM3 ensuring uniform light appearance and consistency

Single LED and lens combination for maximum efficiency and optimal light distribution

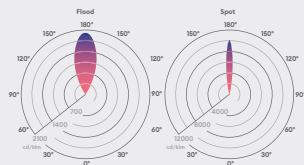
CRI 80 providing true colour appearance

Available in a new 2200K setting to create a warm and cosy environment with minimal disruption to natural habitat

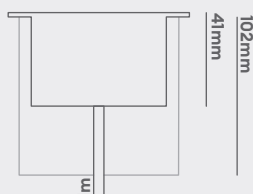
Long lifetime of 70,000hrs

Available in an array of colours

Beam angle: 40° 12°



Ø76mm



## GL040 Round

Modular Ground Light

### Features

IK rating	IK08
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	150mA / 250mA / 350mA / 500mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	70mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless Steel
Suitable for coastal areas	Yes
Weight	GL040AB: 600g, GL040BK: TBC, GL040SS: 720g
Maximum ambient temperature	55°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

### Photometrics @ 25°C

Product code	Finish	CCT	Beam angle	150mA			700mA			Energy
				W	lm	lm/W	W	lm	lm/W	
GL040RSS22F	Stainless steel 316	2200K	40°	0.8W	108	135	4.6W	431	94	322
GL040RSS22S	Stainless steel 316	2200K	12°	0.8W	108	135	4.6W	431	94	322
GL040RSS27F	Stainless steel 316	2700K	40°	0.8W	129	161	4.6W	515	112	322
GL040RSS27S	Stainless steel 316	2700K	12°	0.8W	129	161	4.6W	515	112	322
GL040RSS30F	Stainless steel 316	3000K	40°	0.8W	130	163	4.6W	520	113	322
GL040RSS30S	Stainless steel 316	3000K	12°	0.8W	130	163	4.6W	520	113	322
GL040RSS40F	Stainless steel 316	4000K	40°	0.8W	134	168	4.6W	538	117	322
GL040RSS40S	Stainless steel 316	4000K	12°	0.8W	134	168	4.6W	538	117	322

In the part code to replace your colour change SS (Stainless Steel) to AB (Antique Brass) or BK (Black). **Important:** BK finish is made to order. Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-6
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	2-4
PSMD70024	220-240V	Yes	Yes	N/A	1-2

### Accessories

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold Separately	322
WCR 275 BLACK	2-core rubber cable	Sold Separately	323



## GL040 Frosted

Modular Ground Light

### Features

IK rating	IK08
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	150mA / 250mA / 350mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	70mm
Bathroom zone	1
Inrush current	N/A
Construction material	Stainless Steel
Suitable for coastal areas	Yes
Weight	GL040AB: 600g, GL040BK: TBC, GL040SS: 720g
Maximum ambient temperature	55°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

### Photometrics @ 25°C

Product code	Finish	CCT	Beam angle	150mA			350mA			Energy
				W	lm	lm/W	W	lm	lm/W	
GL040SSFD22	Stainless steel 316	2200K	100°	0.4W	19	48	1W	45	45	A C
GL040SSFD27	Stainless steel 316	2700K	100°	0.4W	23	57	1W	56	56	A C
GL040SSFD30	Stainless steel 316	3000K	100°	0.4W	23	58	1W	56	56	A C
GL040SSFD40	Stainless steel 316	4000K	100°	0.4W	24	59	1W	56	56	A C

In the part code to replace your colour change SS (Stainless Steel) to AB (Antique Brass) or BK (Black). **Important:** All finishes are made to order. Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (150-350mA)	220-240V	Yes	No	N/A	1-13
DRV350700TD (350mA)	220-240V	Yes	Yes	N/A	3-12
PSIP35018W	220-240V	Yes	No	1	8-15

### Accessories

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold Separately	322
WCR 275 BLACK	2-core rubber cable	Sold Separately	323

## Ground Lights

**IP68** IP65 perfect for internal or external applications

**Coastal protected**

**IK08** IK08 impact protection - walk over (Stainless Steel only)

### Guarantee

7 years

### Features & benefits

Supplied complete with installation tube

SDCM3 ensuring uniform light appearance and consistency

Single LED and lens combination for maximum efficiency and optimal light distribution

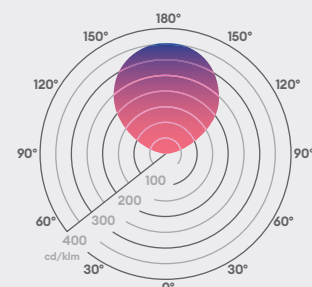
CRI 80 providing true colour appearance

Available in a new 2200K setting to create a warm and cosy environment with minimal disruption to natural habitat

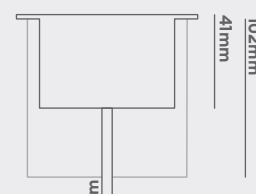
Long lifetime of 70,000hrs

Available in an array of colours

Beam angle: 100°



Ø76mm



## Ground Lights

**IP68** IP65 perfect for internal or external applications

**Coastal protected**

**IK08** IK08 impact protection - walk over (Stainless Steel only)

### Guarantee

7 years

### Features & benefits

Supplied complete with installation tube

SDCM3 ensuring uniform light appearance and consistency

Single LED and lens combination for maximum efficiency and optimal light distribution

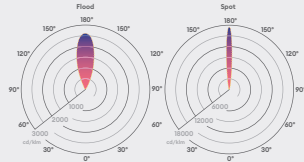
CRI 80 providing true colour appearance

Available in a new 2200K setting to create a warm and cosy environment with minimal disruption to natural habitat

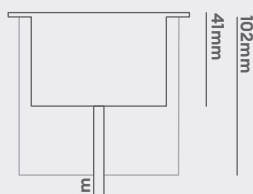
Long lifetime of 70,000hrs

Available in an array of colours

Beam angle: 30° 12°



Ø76mm



## GL040 Low Glare

Modular Ground Light

### Features

IK rating	IK08
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	150mA / 250mA / 350mA / 500mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	70mm
Bathroom zone	1
Inrush current	N/A
Construction material	Stainless Steel
Suitable for coastal areas	Yes
Weight	GL040AB: 700g, GL040BK: TBC, GL040SS: 818g
Maximum ambient temperature	55°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

### Photometrics @ 25°C

Product code	Finish	CCT	Beam angle	150mA			700mA			Energy
				W	lm	lm/W	W	lm	lm/W	
GL040SSLG22F	Stainless steel 316	2200K	30°	0.8W	66	82	4.6W	264	57	1 E
GL040SSLG22S	Stainless steel 316	2200K	12°	0.8W	66	82	4.6W	264	57	1 E
GL040SSLG27F	Stainless steel 316	2700K	30°	0.8W	79	98	4.6W	315	68	1 E
GL040SSLG27S	Stainless steel 316	2700K	12°	0.8W	79	98	4.6W	315	68	1 E
GL040SSLG30F	Stainless steel 316	3000K	30°	0.8W	79	99	4.6W	318	69	1 E
GL040SSLG30S	Stainless steel 316	3000K	12°	0.8W	79	99	4.6W	318	69	1 E
GL040SSLG40F	Stainless steel 316	4000K	30°	0.8W	82	103	4.6W	329	71	1 E
GL040SSLG40S	Stainless steel 316	4000K	12°	0.8W	82	103	4.6W	329	71	1 E

In the part code to replace your colour change SS (Stainless Steel) to AB (Antique Brass) or BK (Black). **Important:** All finishes are made to order. Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-6
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	2-4
PSMD70024	220-240V	Yes	Yes	N/A	1-2

### Accessories

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold Separately	322
WCR 275 BLACK	2-core rubber cable	Sold Separately	323





# GL040 Ultra Low Glare

Modular Ground Light

## Features

IK rating	IK08
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	150mA / 250mA / 350mA / 500mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

## Installation information

Cut out size (mm)	70mm
Bathroom zone	1
Inrush current	N/A
Construction material	Stainless Steel
Suitable for coastal areas	Yes
Weight	GL040AB: 700g, GL040BK: TBC, GL040SS: 818g
Maximum ambient temperature	55°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

## Photometrics @ 25°C

Product code	Finish	CCT	Beam angle	150mA			500mA			Energy
				W	lm	lm/W	W	lm	lm/W	
GL040USS22F	Stainless steel 316	2200K	40°	0.8W	77	96	3W	238	79	100lm/W
GL040USS22S	Stainless steel 316	2200K	12°	0.8W	77	96	3W	238	79	100lm/W
GL040USS27F	Stainless steel 316	2700K	40°	0.8W	92	115	3W	284	95	100lm/W
GL040USS27S	Stainless steel 316	2700K	12°	0.8W	92	115	3W	284	95	100lm/W
GL040USS30F	Stainless steel 316	3000K	40°	0.8W	93	116	3W	287	96	100lm/W
GL040USS30S	Stainless steel 316	3000K	12°	0.8W	93	116	3W	287	96	100lm/W
GL040USS40F	Stainless steel 316	4000K	40°	0.8W	96	120	3W	297	99	100lm/W
GL040USS40S	Stainless steel 316	4000K	12°	0.8W	96	120	3W	297	99	100lm/W

In the part code to replace your colour change SS (Stainless Steel) to AB (Antique Brass) or BK (Black). **Important:** BK finish is made to order. Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

## Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (150-500mA)	220-240V	Yes	No	N/A	1-6
DRV350700TD (350-500mA)	220-240V	Yes	Yes	N/A	2-6
PSIP35018W	220-240V	Yes	No	1	5-8

## Accessories

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold Separately	322
WCR 275 BLACK	2-core rubber cable	Sold Separately	323

## Ground Lights

**IP68** IP65 perfect for internal or external applications

**Coastal protected**

**IK08** IK08 impact protection - walk over (Stainless Steel only)

## Guarantee

7 years

## Features & benefits

Supplied complete with installation tube

SDCM3 ensuring uniform light appearance and consistency

Single LED and lens combination for maximum efficiency and optimal light distribution

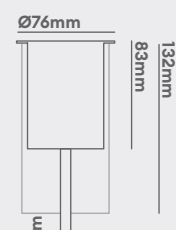
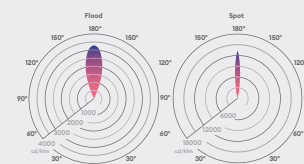
CRI 80 providing true colour appearance

Available in a new 2200K setting to create a warm and cosy environment with minimal disruption to natural habitat

Long lifetime of 70,000hrs

Available in an array of colours

Beam angle: 40° 12°



## Ground Lights

**IP68** IP65 perfect for internal or external applications

**Coastal protected**

**IK08** IK08 impact protection - walk over (Stainless Steel only)

### Guarantee

7 years

### Features & benefits

Supplied complete with installation tube

SDCM3 ensuring uniform light appearance and consistency

Single LED and lens combination for maximum efficiency and optimal light distribution

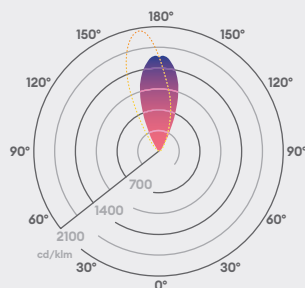
CRI 80 providing true colour appearance

Available in a new 2200K setting to create a warm and cosy environment with minimal disruption to natural habitat

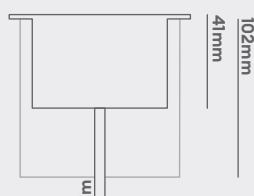
Long lifetime of 70,000hrs

Available in an array of colours

Beam angle: 40°



Ø76mm



## GL040 Half Moon

Modular Ground Light

### Features

IK rating	IK08
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	150mA / 250mA / 350mA / 500mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	70mm
Bathroom zone	1
Inrush current	N/A
Construction material	Stainless Steel
Suitable for coastal areas	Yes
Weight	GL040AB: 600g, GL040BK: TBC, GL040SS: 720g
Maximum ambient temperature	55°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

### Photometrics @ 25°C

Product code	Finish	CCT	Beam angle	150mA			700mA			Energy
				W	lm	lm/W	W	lm	lm/W	
GL040SSHM22	Stainless steel 316	2200K	40°	0.8W	37	47	4.6W	149	32	32
GL040SSHM27	Stainless steel 316	2700K	40°	0.8W	45	56	4.6W	178	39	39
GL040SSHM30	Stainless steel 316	3000K	40°	0.8W	45	56	4.6W	180	39	39
GL040SSHM40	Stainless steel 316	4000K	40°	0.8W	47	58	4.6W	186	40	40

In the part code to replace your colour change SS (Stainless Steel) to AB (Antique Brass) or BK (Black). **Important:** All finishes are made to order. Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-6
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	2-4
PSMD70024	220-240V	Yes	Yes	N/A	1-2

### Accessories

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold Separately	322
WCR 275 BLACK	2-core rubber cable	Sold Separately	323





## Ground Lights

**IP65** perfect for internal or external applications

**Coastal protected**

**IK08** impact protection - walk over (Stainless Steel only)

### Guarantee

7 years

### Features & benefits

Supplied complete with installation tube

SDCM3 ensuring uniform light appearance and consistency

Single LED and lens combination for maximum efficiency and optimal light distribution

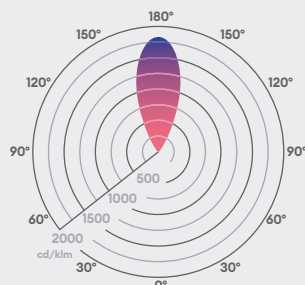
CRI 80 providing true colour appearance

Available in a new 2200K setting to create a warm and cosy environment with minimal disruption to natural habitat

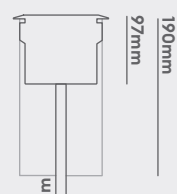
Long lifetime of 70,000hrs

Available in an array of colours

Beam angle: 40°



Ø98mm



## GL038 Low Voltage

Low Voltage LED Ground light

### Features

IK rating	IK08
IP rating	IP65
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	150mA / 250mA / 350mA / 500mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	80-85mm
Bathroom zone	2
Inrush current	N/A
Construction material	Stainless steel 316
Suitable for coastal areas	Yes
Weight	GL038AB: 754g, GL038BK: TBC, GL038SS: 696g, GL038BZ: TBC
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	N/A

### Photometrics @ 25°C

Product code	Finish	CCT	Beam angle	150mA			700mA			Energy
				W	lm	lm/W	W	lm	lm/W	
GL038SS22XF	Stainless steel 316	2200K	40°	0.8W	108	135	4.6W	431	94	322
GL038SS27XF	Stainless steel 316	2700K	40°	0.8W	129	161	4.6W	515	112	322
GL038SS30XF	Stainless steel 316	3000K	40°	0.8W	130	163	4.6W	520	113	322
GL038SS40XF	Stainless steel 316	4000K	40°	0.8W	134	168	4.6W	538	117	322

In the part code to replace your colour, change SS to AB (Antique Brass), BK (Black) or BZ (Bronze). **Important:** BK & BZ finish are made to order. Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

### Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-6
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	3-12
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	2-4

### Accessories

JB5	Gel filled waterproof connector	Sold Separately	322
WC 5-9	Quick release waterproof joint	Sold Separately	322





## GL038 Mains

Straight to mains LED Ground light

### Features

IK rating	IK08
IP rating	IP65
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	80-85mm
Bathroom zone	2
Inrush current	GL038AB: 9A 0.8ms, GL038BK: TBC, GL038SS: 60A 0.037ms, GL038BZ: TBC
Construction material	Stainless steel 316
Suitable for coastal areas	Yes
Weight	GL038AB: 754g, GL038BK: TBC, GL038SS: 696g, GL038BZ: TBC
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	TBC

### Photometrics @ 25°C

Product code	Finish	W	CCT	Beam angle	lm	lm/W	Energy
GL038SS22MF	Stainless steel 316	2.8W	2200K	40°	249	89	ABE
GL038SS27MF	Stainless steel 316	2.8W	2700K	40°	297	106	ABE
GL038SS30MF	Stainless steel 316	2.8W	3000K	40°	300	107	ABE
GL038SS40MF	Stainless steel 316	2.8W	4000K	40°	310	111	ABE

In the part code to replace your colour, change SS to AB (Antique Brass), BK (Black) or BZ (Bronze). **Important:** BK & BZ finish are made to order. Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

### Accessories

JB5	Gel filled waterproof connector	Sold Separately	322
WC 5-9	Quick release waterproof joint	Sold Separately	322

## Ground Lights

**IP65** perfect for internal or external applications

**Coastal protected**

**IK08** impact protection - walk over (Stainless Steel only)

### Guarantee

7 years

### Features & benefits

Supplied complete with installation tube

SDCM3 ensuring uniform light appearance and consistency

Single LED and lens combination for maximum efficiency and optimal light distribution

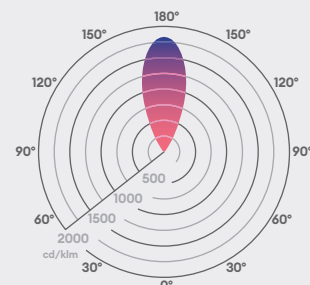
CRI 80 providing true colour appearance

Available in a new 2200K setting to create a warm and cosy environment with minimal disruption to natural habitat

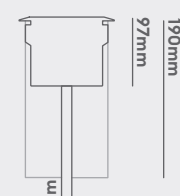
Long lifetime of 70,000hrs

Available in an array of colours

Beam angle: 40°



Ø98mm

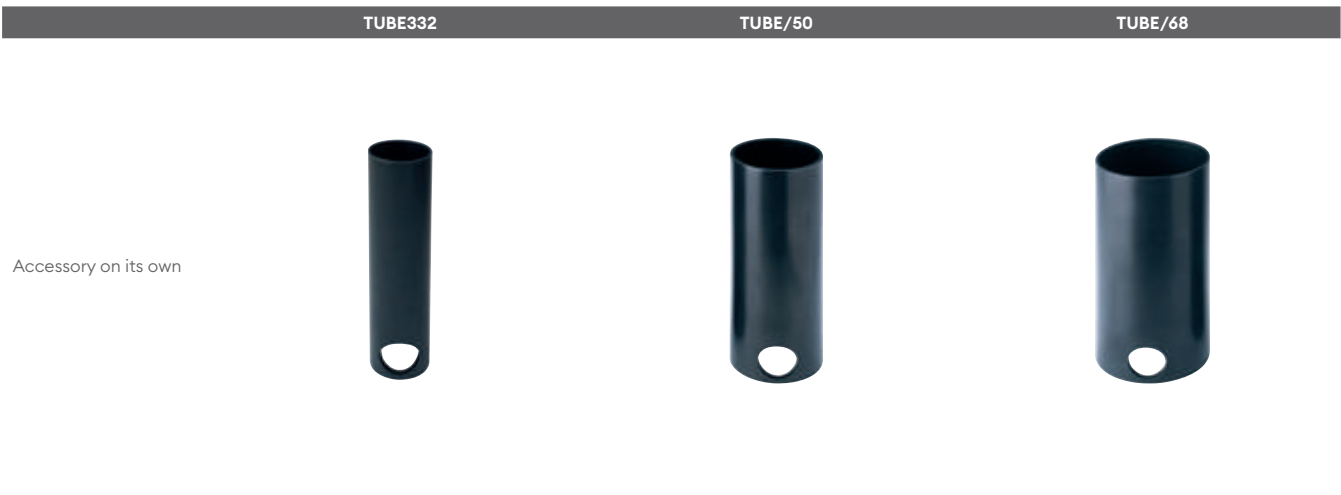


# Ground light accessories

Choose the ideal accessory for your ground light

Change the aesthetic or find the perfect way to install your ground light.

## Choose the ideal accessory



## Product codes

Product Code	Description	Guarantee
TUBE332	Ground light installation tube	1 year extended warranty
TUBE/50	Ground light installation tube	1 year extended warranty
TUBE/68	Ground light installation tube	1 year extended warranty

For full product specification visit [collingwoodlighting.com](http://collingwoodlighting.com)

## Compatible with

	GL200 Page 181-185	GL019 Eyelid Page 208	GL021 Page 213	GL022 Page 214
TUBE332				
TUBE/50				
TUBE/68				



# Tilt Adjustable Ground Light

Straight to Mains, TRIAC mains dimmable

## Features

IK rating	GLTM_11: IK08; GLTM_14: IK08; GLTM_16: IK10; GLTM_19: IK10; GLTM_22: IK10
IP rating	IP67
CSP switchable	Single CCT
Walk over / Drive over	Drive over (15mph maximum)
Input	220-240V AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

## Installation information

Cut out size (mm)	119/147/165/193/223
Bathroom zone	2
Inrush current	GLTM_11: 0.5A 0.4ms, GLTM_14: 0.6A 0.4ms, GLTM_16: 0.45A 0.5ms, GLTM_19: 0.55A 0.5ms, GLTM_22: 0.55A 0.5ms
Construction material	Anodised aluminium body, 316 SS bezel
Suitable for coastal areas	Yes
Weight	GLTM_11: 0.99kg, GLTM_14: 1.56kg, GLTM_16: 2.03kg, GLTM_19: 3.26kg, GLTM_22: 3.98kg
Maximum ambient temperature	-25°C - 40°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

## Photometrics @ 25°C

Product code	Type	Finish	W	CCT	∠°	lm	lm/W	Energy
GLTMS119T30	Ø119mm cut-out	Stainless steel 316	6W	3000K	34°	450	75	
GLTMS147T30	Ø147mm cut-out	Stainless steel 316	12W	3000K	34°	1200	100	
GLTMS165T30	Ø165mm cut-out	Stainless steel 316	18W	3000K	34°	1600	89	
GLTMS193T30	Ø193mm cut-out	Stainless steel 316	23W	3000K	34°	2300	100	
GLTMS223T30	Ø223mm cut-out	Stainless steel 316	30W	3000K	34°	3300	100	
GLTMF147T30	Ø147mm cut-out	Stainless steel 316	12W	3000K	60°	1200	100	
GLTMF165T30	Ø165mm cut-out	Stainless steel 316	18W	3000K	60°	1600	89	

Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	Pre-wired 1.0M H05RN-F, 3x1.0mm2
Type of wiring required	Parallel

## Accessories

DM298FP	Faceplate rotary mains dimmer	Sold Separately	51
DM298GRID	Grid rotary mains dimmer	Sold Separately	51
JB5	Gel filled waterproof connector	Sold Separately	322

## Ground Lights



IP67 for complete protection against ingress of dust & water



IK08 (GLTM\_11/14) IK10 (GLTM\_16/19/22)



Suitable for coastal applications

## Guarantee

5 years

## Features & benefits

Tilt angle of luminaire is adjustable, just turn knob to tilt the light distribution up to 25 degrees

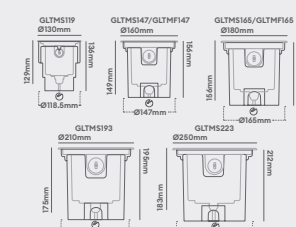
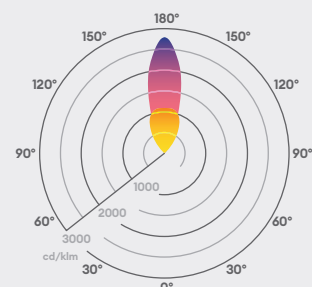
Static loading capacity is 2000kg

Pre-wired with 1 meter of cable to aid the installer

DALI-2 dimmable and RGBW options also available

Supplied with installation tube

Beam angle: 34° 60°



# Step Lights





# Step lighting

## Functional and decorative

Step lights are the perfect solution for highlighting stairs and pathways. They are both functional and decorative whilst highlighting a potentially hazardous area in the dark.

### Functional step lighting

Using lighting to highlight steps improves visual aesthetics and enhances safety, whilst adding an inviting glow to your space. Considerations should be made for maintenance and glare when positioning lighting, ensuring ultimate visual appeal and added security knowing the walkway is correctly lit.



### Low glare step lighting

The purpose of step lighting is to mark or highlight a particular area. As this type of lighting serves a functional purpose, it is important that the fittings do not cause any visual discomfort from glare.

#### Hooded

Using a hood over the light will restrict upwards light spill. This results in low visibility of the light source from above and will prevent glare to passers-by.



#### Asymmetric

An asymmetric light source will direct the light downwards, ensuring the stairway is illuminated without upwards glare, without the need of a hood. Eliminating the need for a hood allows these lights to also be used as ground lights.





## Decorative step lighting

Step lights can be used to enhance your landscape, to amplify your overall lighting when entertaining and for commercial exterior lighting. Linking people and spaces together, highlighting steps can make a real difference. Choose Collingwood's range of decorative step lighting which emit light from a decorative face-plate to transform your overall lighting design.



## Round and square fittings

Choose between round and square fittings to achieve the ideal style for your installation.



## Highlight features as ground lights

The asymmetric beam of step lights makes them great for using as a ground light that directs its light onto a feature.



# Step Lights



1W at 350mA or 2W at 700mA



Coastal protected



Low voltage step light

## Guarantee

7 years

## Features & benefits

Asymmetric beam angle

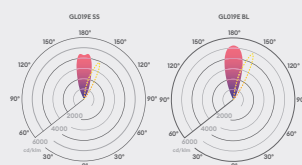
0% upward light spill

Recess into a wall, floor or ceiling

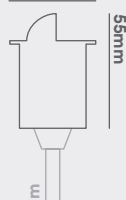
Suitable for indoor and outdoor use

33mm cut-out size

Beam angle: 50°



Ø40mm



## GL019 Eyelid

Asymmetric beam angle with zero upward light spill

### Features

IK rating	N/A
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	No
Input	350mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	33
Bathroom zone	0
Inrush current	N/A
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	120g
Maximum ambient temperature	50°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

### Photometrics @ 25°C

Product code	Finish	CCT	Beam angle	350mA			700mA			Energy
				W	lm	lm/W	W	lm	lm/W	
GL019E27BL	Black	2700K	50°	1W (350mA)	31	31	2W (700mA)	3.3	28	A++
GL019E30BL	Black	3000K	50°	1W (350mA)	36	36	2W (700mA)	3.8	32	A++
GL019E27SS	Stainless steel	2700K	50°	1W (350mA)	36	36	2W (700mA)	5	31	A++
GL019E30SS	Stainless steel	3000K	50°	1W (350mA)	41	41	2W (700mA)	6	36	A++

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-14
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	4-9
PSIP70018W	220-240V	Yes	No	0	1-8

### Accessories

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold Separately	322
TUBE332	Installation tube	Sold Separately	202





# GL034 Low Voltage

Hooded Low Voltage Ground Light

## Features

IK rating	IK08
IP rating	IP65
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	150mA / 250mA / 350mA / 500mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

## Installation information

Cut out size (mm)	80-85mm
Bathroom zone	2
Inrush current	N/A
Construction material	Stainless steel 316
Suitable for coastal areas	Yes
Weight	Stainless Steel: 724g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	N/A

## Photometrics @ 25°C

Product code	Finish	CCT	Beam angle	150mA			700mA			Energy
				W	lm	lm/W	W	lm	lm/W	
GL034SS22XF	Stainless steel 316	2200K	40°	0.8W	108	135	4.6W	431	94	1 E
GL034SS27XF	Stainless steel 316	2700K	40°	0.8W	129	161	4.6W	515	112	1 E
GL034SS30XF	Stainless steel 316	3000K	40°	0.8W	130	163	4.6W	520	113	1 E
GL034SS40XF	Stainless steel 316	4000K	40°	0.8W	134	168	4.6W	538	117	1 E

In the part code to replace your colour, change SS to AB (Antique Brass), BK (Black) or BZ (Bronze). **Important:** BK, AB & BZ finish are made to order. Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	1m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

## Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-6
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	3-12
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	2-4

## Accessories

JB5	Gel filled waterproof connector	Sold Separately	322
WC 5-9	Quick release waterproof joint	Sold Separately	322

## Step Lights

**IP65** perfect for internal or external applications

**Coastal protected**

**IK08** impact protection - walk over (Stainless Steel only)

## Guarantee

7 years

## Features & benefits

Supplied complete with installation tube

SDCM3 ensuring uniform light appearance and consistency

Single LED and lens combination for maximum efficiency and optimal light distribution

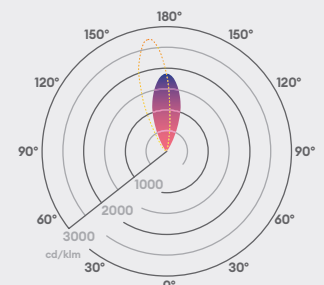
CRI 80 providing true colour appearance

Available in a new 2200K setting to create a warm and cosy environment with minimal disruption to natural habitat

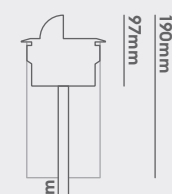
Long lifetime of 70,000hrs

Available in an array of colours

Beam angle: 40°



Ø98mm











## GL034 Mains

Hooded Mains Ground Light

### Features

IK rating	IK08
IP rating	IP65
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	80-85mm
Bathroom zone	2
Inrush current	GL034SS: 60A 0.037ms, Other Variant: TBC
Construction material	Stainless steel 316
Suitable for coastal areas	Yes
Weight	Stainless Steel: 724g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

### Photometrics @ 25°C

Product code	Finish	W	CCT	Beam angle	lm	lm/W	Energy
GL034SS22MF	Stainless steel 316	2.8W	2200K	40°	154	55	
GL034SS27MF	Stainless steel 316	2.8W	2700K	40°	184	66	
GL034SS30MF	Stainless steel 316	2.8W	3000K	40°	186	66	
GL034SS40MF	Stainless steel 316	2.8W	4000K	40°	192	69	

In the part code to replace your colour, change SS to AB (Antique Brass), BK (Black) or BZ (Bronze). **Important:** BK, AB & BZ finish are made to order. Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

### Accessories

JB5	Gel filled waterproof connector	Sold Separately	322
WC 5-9	Quick release waterproof joint	Sold Separately	322

## Step Lights

**IP65** perfect for internal or external applications

**Coastal protected**

**IK08** impact protection - walk over (Stainless Steel only)

### Guarantee

7 years

### Features & benefits

Supplied complete with installation tube

SDCM3 ensuring uniform light appearance and consistency

Single LED and lens combination for maximum efficiency and optimal light distribution

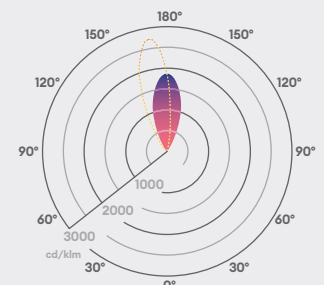
CRI 80 providing true colour appearance

Available in a new 2200K setting to create a warm and cosy environment with minimal disruption to natural habitat

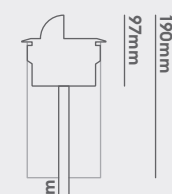
Long lifetime of 70,000hrs

Available in an array of colours

Beam angle: 40°



Ø98mm



# Step Lights

1W 1W at 350mA

Coastal protected

Low voltage groundlight

## Guarantee

7 years

## Features & benefits

Angled light, ideal for use as a step light

Robust cable for outdoor use

Brushed stainless steel for sleek effect



## GL021

30° slotted LED ground / step light

### Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel Only)
Input	350mA
LED lifetime	L70 70,000h
Colour rendering index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	50
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	400g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

### Photometrics @ 25°C

Product code	Finish	W	CCT	∠	lm	lm/W	Energy
GL021 27	Stainless steel	1W	2700K	30°	8	8	A P
GL021 NW	Stainless steel	1W	4000K	30°	10	10	A P

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

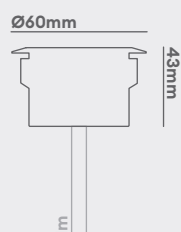
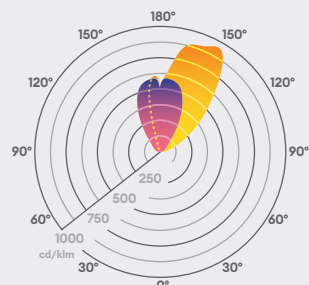
See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	4-14
PSIP3509W	220-240V	Yes	No	0	1-8
PSIP35018W	220-240V	Yes	No	1	9-17

### Accessories

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold Separately	322
TUBE/50	Installation tube	Sold Separately	202
WCR 275 BLACK	2-core rubber cable	Sold Separately	323

Beam angle: C0/C180







## GL022

Square 30° slotted LED ground / step light

### Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel Only)
Input	350mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	50
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	400g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

### Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	lm	lm/W	Energy
GL022 27	Stainless steel	1W	2700K	30°	8	8	
GL022 WW	Stainless steel	1W	3000K	30°	8	8	
GL022 NW	Stainless steel	1W	4000K	30°	10	10	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	4-14
PSIP3509W	220-240V	Yes	No	0	1-8
PSIP35018W	220-240V	Yes	No	1	9-17

### Accessories

JB2 / JB4 / JB6	IP68 waterproof connectors	Sold Separately	322
TUBE/50	Installation tube	Sold Separately	202
WCR 275 BLACK	2-core rubber cable	Sold Separately	323

## Step Lights



1W at 350mA



Coastal protected



Low voltage groundlight

### Guarantee

7 years

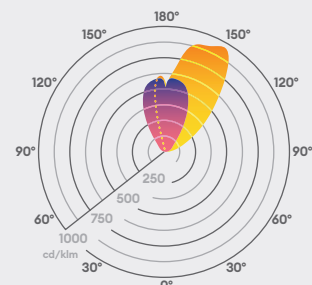
### Features & benefits

Angled light, ideal for use as a step light

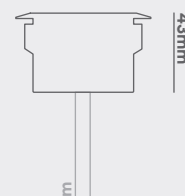
Robust cable for outdoor use

Brushed stainless steel for sleek effect

Beam angle: C0/C180 C90/C270



60x60mm



# Step Lights



2.6W



Coastal protected



Main voltage step light

## Guarantee

7 years

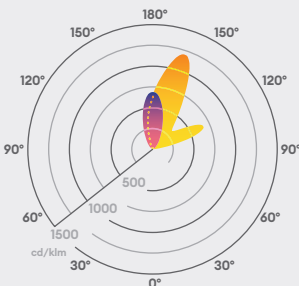
## Features & benefits

Recessed, asymmetric wall or ground light perfect for illuminating walls, steps and pathways

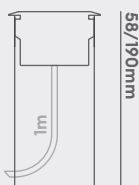
Available in rustic cast stainless steel and sleek brushed stainless steel finishes

Installation tube included

Plane: 50° C0/C180 50° C90/C270



Ø98mm



# WL339

Asymmetric, straight to mains, cast finish step light

## Features

IK rating	N/A
IP rating	IP65
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel Only)
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

## Installation information

Cut out size (mm)	80
Bathroom zone	2
Inrush current	9A 0.8ms
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	1000g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

## Photometrics @ 25°C

Product code	Finish	W	CCT	Beam angle	lm	lm/W	Energy
WL339WW	Stainless steel	2.6W	3000K	50°	50	19	A P

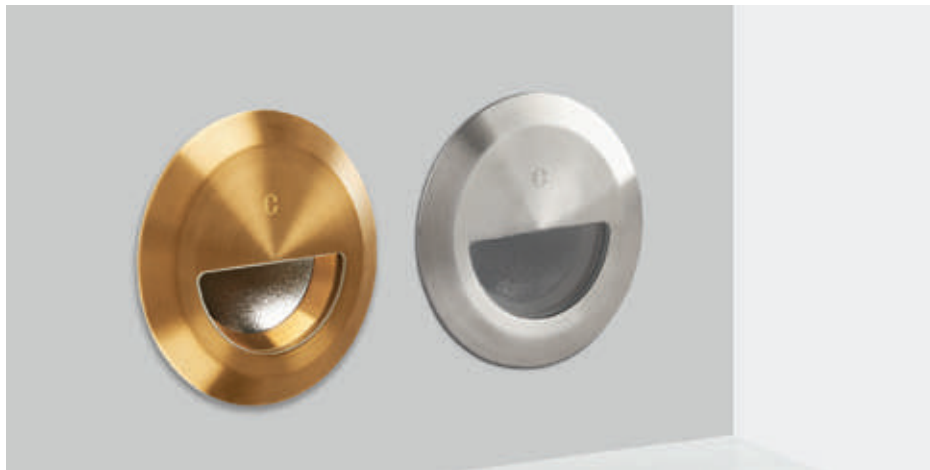
Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

## Accessories

Installation Tube	For easy ground installation	Included	202
JB5	Gel filled waterproof connector	Sold Separately	322
WC 5-9	Quick release waterproof joint	Sold Separately	322



## WL340

Asymmetric, straight to mains, step light

### Features

IK rating	N/A
IP rating	IP65
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	80
Bathroom zone	2
Inrush current	9A 0.8ms
Construction material	Antique Brass
Suitable for coastal areas	Yes
Weight	1100g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

### Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	lm	lm/W	Energy
WL340AB27	Antique brass	2.6W	2700K	50°	49	19	A B
WL340ABWW	Antique brass	2.6W	3000K	50°	50	19	A F
WL340WW	Stainless steel	2.6W	3000K	50°	50	19	A F

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

### Accessories

Installation Tube	For easy ground installation	Included	202
JB5	Gel filled waterproof connector	Sold Separately	322
WC 5-9	Quick waterproof connector	Sold Separately	322

## Step Lights

2.6W 2.6W

Coastal protected

AC Main voltage step light

### Guarantee

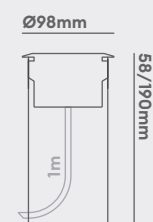
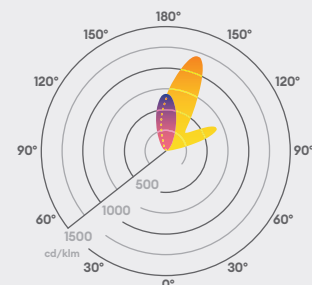
7 years

### Features & benefits

Installation tube included

Ideal for illuminating walls, steps and pathways

Plane: 50° C0/C180 50° C90/C270



# Step Lights



2.6W



Coastal protected



Main voltage step light

## Guarantee

7 years

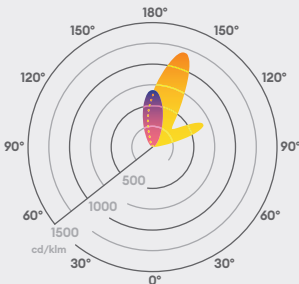
## Features & benefits

Can be used as a wall light or ground light

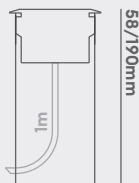
Installation tube included

1m H05RN-F rubber cable attached for permanent use outdoors

Plane: 50° C0/C180 50° C90/C270



98x98mm



# WL341

Asymmetric, straight to mains, cast finish step light

## Features

IK rating	N/A
IP rating	IP65
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel Only)
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering index	CRI>80
Colour consistency	SDCM3

## Installation information

Cut out size (mm)	80
Bathroom zone	2
Inrush current	9A 0.8ms
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	1000g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

## Photometrics @ 25°C

Product code	Finish	W	CCT	Beam angle	lm	lm/W	Energy
WL341WW	Stainless steel	2.6W	3000K	50°	50	19	A P

Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

## Accessories

Installation Tube	For easy ground installation	Included	202
JB5	Gel filled waterproof connector	Sold Separately	322
WC 5-9	Quick release waterproof joint	Sold Separately	322





# WL342

Asymmetric, straight to mains, brush finish step light

## Features

IK rating	N/A
IP rating	IP65
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel & Antique Brass Only)
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

## Installation information

Cut out size (mm)	80
Bathroom zone	2
Inrush current	9A 0.8ms
Construction material	Stainless steel (316) antique brass
Suitable for coastal areas	Yes
Weight	1.2Kg
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

## Photometrics @ 25°C

Product code	Finish	W	CCT	Beam angle	lm	lm/W	Energy
WL342AB27	Antique brass	2.6W	2700K	50°	49	19	A++
WL342AB30	Antique brass	2.6W	3000K	50°	50	19	A++
WL342WW	Stainless steel	2.6W	3000K	50°	50	19	A++

Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

## Accessories

Installation Tube	For easy ground installation	Included	202
JB5	Gel filled waterproof connector	Sold Separately	322
WC 5-9	Quick release waterproof joint	Sold Separately	322

## Step Lights



2.6W



Coastal protected



Main voltage step light

## Guarantee

7 years

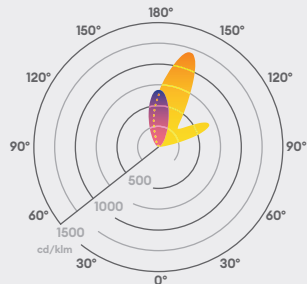
## Features & benefits

Can be used as a wall light or ground light

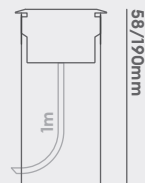
Installation tube included

1m H05RN-F rubber cable attached for permanent use outdoors

Plane: 50° C0/C180 50° C90/C270



98x98mm



# Spike Lights





# Spike lights

## To create engaging outdoor spaces

Whether lighting a pathway, planting or to really embellish an outdoor feature, spike lights are a great addition to any environment.

### Choose your effect

Spike lights can be used in a variety of ways, for example, illuminating pathways, highlighting mid-level planting or to pick out certain features within a garden. The great thing about these products is that they can move as your landscape changes season to season, year to year.



Pathways



Mid-level  
planting



Features

### Layering light

Spike lights can effectively work as the main focus of an outdoor lighting scheme; however, they also work well in spreading the focus throughout an installation. Combine various effects using these versatile fittings to light features at different levels and to create a scene with depth and interest. Pathway lighting can be combined with uplighting to create a multi-layered effect.

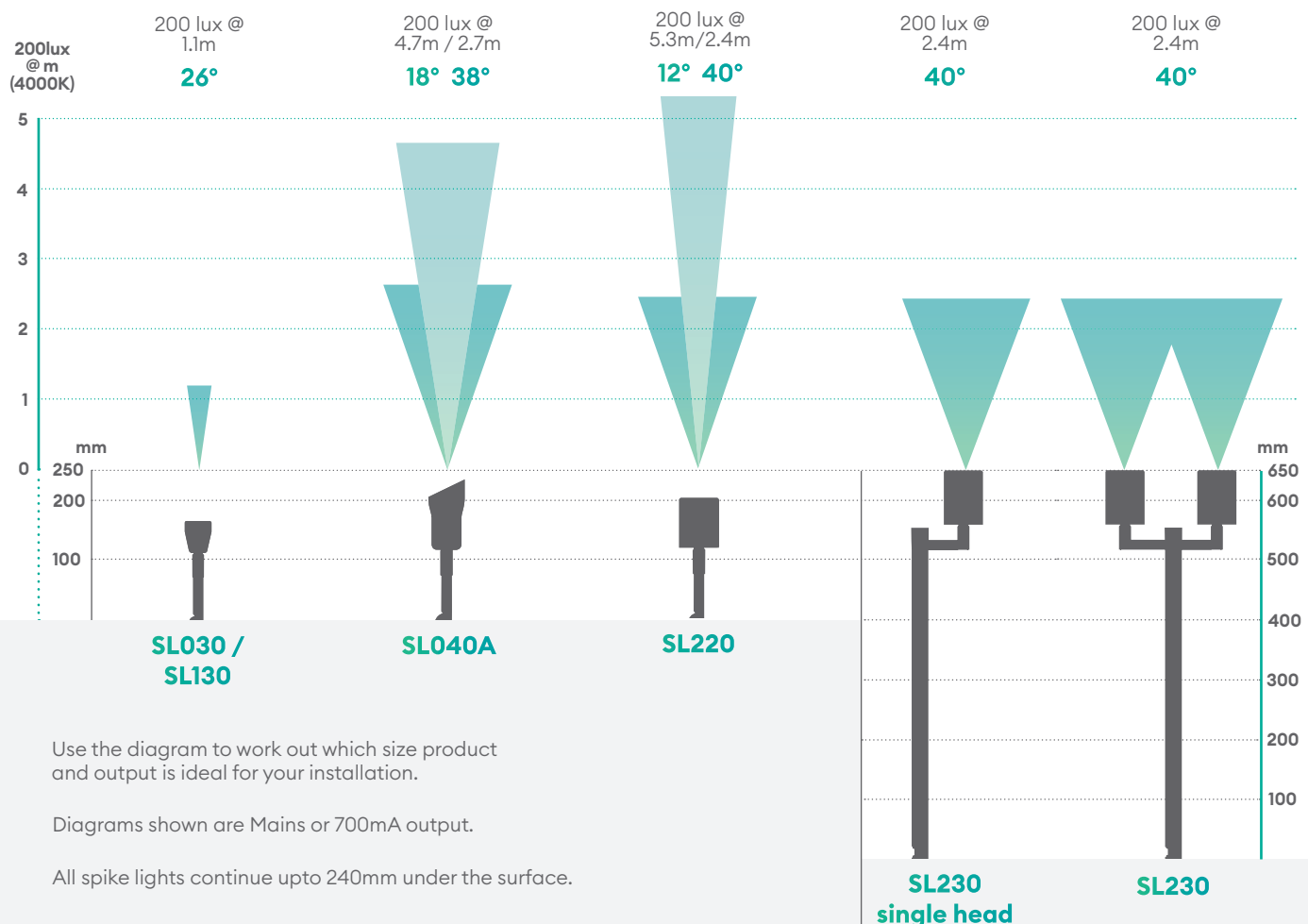


Light confined to  
one area



Light spread across  
installation

### Product comparison





## Low voltage Vs mains

Choose the right connection for any install with both mains and low voltage options available. These are ideal for both retro-fit and new installations.

All of our spike lights come with 3m integrated cable as standard for ease of installation.

## Waterproof

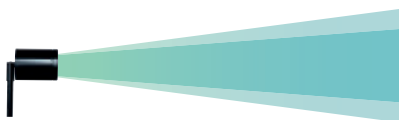
Our spike lights are waterproof to IP65 and have been designed for permanent use outdoors. Spike lights must be installed using waterproof connections to avoid moisture ingress through non-waterproof joints. To choose from our range waterproof connectors, please see [page 322](#).



## Low glare hoods and snoots

Upgrade the look and feel of your spike light installation with a simple low glare hood or snoot accessory. The accessories minimise any 'spill light' from the product to create a crisp beam of light which is low glare.

### Standard spike light



Flexible spike lighting with a high-quality fixture. Without using an accessory the beam of light has a soft halo around the measured beam angle.

### Low glare hood



A simple solution to create discreet lighting whilst optimising the light distribution. The widest part of the hood reduces the spill light from one side of the light.

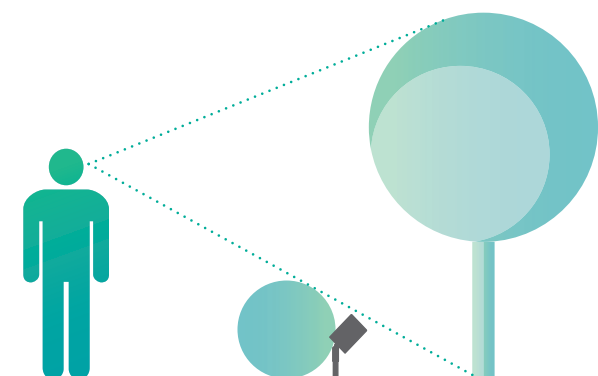
### Low glare snoot



This cylindrical snoot accentuates the style factor. Perfect for creating a moonlight effect the snoot reduces the spill light in all directions.

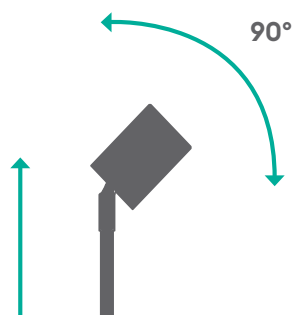
## Discreet lighting

Conceal your spike lights to allow attention to focus on the illumination, not the light source.



## Flexibility

Spike lights are the most flexible lighting choice for a garden as they can be used in a variety of environments and are easy to manoeuvre, which gives the option to change the lighting scheme to reflect the season.



### Tilt

Select the best angle to illuminate features.

### Move

Simply pick up and move a spike light to illuminate a different feature.

# Spike Lights



1W at 350mA or 2W at 700mA



Coastal protected



IP65 ideal for outdoor areas

## Guarantee

7 years

## Features & benefits

Long spike included for extra stability

Robust cable for outdoor use

Small & discreet

Single Point Source LED



## SL030 | SL130

1W LED spike light

### Features

IP rating	IP65
CSP switchable	Single CCT
Tilttable	90°
Input	350mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Inrush current	N/A
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	700g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

### Photometrics @ 25°C

Product code	Finish	CCT	Beam angle	350mA			700mA			Energy
				W	lm	lm/W	W	lm	lm/W	
SL030 F 27	Stainless steel 316	2700K	26°	1W	70	70	2W	337	60	
SL030 F WW	Stainless steel 316	3000K	26°	1W	75	75	2W	379	68	
SL13027	Black anodised aluminium	2700K	26°	1W	70	70	2W	337	60	
SL13030	Black anodised aluminium	3000K	26°	1W	75	75	2W	379	68	
SL130ZMBX27	Bronze anodised aluminium	2700K	26°	1W	70	70	2W	337	60	
SL130ZMBX30	Bronze anodised aluminium	3000K	26°	1W	75	75	2W	379	68	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

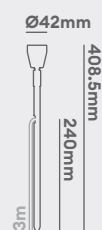
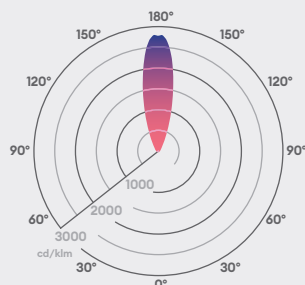
See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-14
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	4-9
PSIP70018W	220-240V	Yes	No	1	1-8

### Accessories

JB2 / JB4 / JB6	Waterproof junction box / Gel filled waterproof connectors	<a href="#">322</a>
WCR 275 BLACK	2-core rubber cable	<a href="#">323</a>

Beam angle: 26°





## SL040A

High output LED spike light

### Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	90°
Input	700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Inrush current	N/A
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	600g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

### Photometrics @ 25°C

Product code	Finish	W	CCT	∠	lm	lm/W	Energy
SL040A F 27	Black anodised aluminium	7W	2700K	18°	377	54	A P
SL040A F WW	Black anodised aluminium	7W	3000K	18°	413	59	A B
SL040A S 27	Black anodised aluminium	7W	2700K	38°	377	54	A P
SL040A S WW	Black anodised aluminium	7W	3000K	38°	413	59	A B

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-4
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	2-3
PSDIM700	220-240V	Yes	Yes (1-10V)	1	1-6

### Accessories

JB2 / JB4 / JB6	Waterproof junction box / Gel filled waterproof connectors	Sold Separately	322
WCR 275 BLACK	2-core rubber cable	Sold Separately	323

## Spike Lights



7W



Coastal protected



IP65 ideal for outdoor areas

### Guarantee

7 years

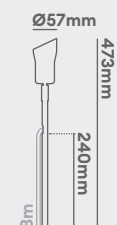
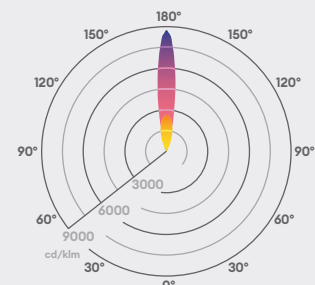
### Features & benefits

Long spike included for extra stability

Robust cable for outdoor use

Hooded for reduced glare

Beam angle: 18°



# Spike Lights



Switchable driver option for quick and easy installation



Coastal protected



IP65 ideal for outdoor areas

## Guarantee

7 years

## Features & benefits

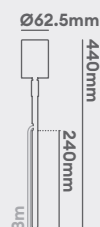
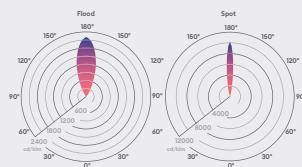
Tiltable for flexible lighting direction to help suit any installation

SDCM3 ensuring uniform light appearance and consistency

Single LED and lens combination for maximum efficiency and optimal light distribution

Choice of material finish to suit different styles

Beam angle: 40° 12°



## SL220 Low Voltage

Low Voltage LED Spike light

### Features

IP rating	IP65
CSP switchable	Single CCT
Input	150mA / 250mA / 350mA / 500mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Inrush current	0.07ms 5.2A
Construction material	Stainless Steel 316
Suitable for coastal areas	Yes
Weight	SL220AB: TBC, SL220BK: 580g, SL220SS: 1054g, SL220BZ: 588g
Maximum ambient temperature	55°C
SELV	Yes
Electric class (1, 2, 3)	3
Earth leakage	N/A

### Photometrics @ 25°C

				150mA			700mA			Energy
Product code	Finish	CCT	Beam angle	W	lm	lm/W	W	lm	lm/W	
SL220SS22XF	Stainless steel	2200K	40°	0.8W	108	135	4.6W	421	94	A E
SL220SS22XS	Stainless steel	2200K	12°	0.8W	108	135	4.6W	421	94	A E
SL220SS27XF	Stainless steel	2700K	40°	0.8W	129	161	4.6W	515	112	A E
SL220SS27XS	Stainless steel	2700K	12°	0.8W	129	161	4.6W	515	112	A E
SL220SS30XF	Stainless steel	3000K	40°	0.8W	130	163	4.6W	520	113	A E
SL220SS30XS	Stainless steel	3000K	12°	0.8W	130	163	4.6W	520	113	A E
SL220SS40XF	Stainless steel	4000K	40°	0.8W	134	168	4.6W	538	117	A E
SL220SS40XS	Stainless steel	4000K	12°	0.8W	134	168	4.6W	538	117	A E

In the part code to replace your colour, change SS to AB (Antique Brass), BK (Black) or BZ (Bronze). **Important:** AB finish is made to order. Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-6
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	2-6
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	2-4

### Accessories

JB2 / JB4 / JB6	Waterproof junction box / Gel filled waterproof connectors	Sold Separately	322
GH220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	231
GS220	Stylish, baffle-style snoot, perfect for creating a moonlighting effect	Sold Separately	231





# SL220 Mains Voltage

Mains Voltage LED Spike light

## Features

IP rating	IP65
CSP switchable	Single CCT
Tilttable	90°
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

## Installation information

Inrush current	0.07ms 5.2A
Construction material	Stainless Steel 316
Suitable for coastal areas	Yes
Weight	SL220AB: TBC, SL220BK: 714g, SL220SS: 1156g, SL220BZ: 694g
Maximum ambient temperature	55°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

## Photometrics @ 25°C

Product code	Finish	W	CCT	Beam angle	lm	lm/W	Energy
SL220SS22MF	Stainless steel	5.7W	2200K	40°	431	76	
SL220SS22MS	Stainless steel	5.7W	2200K	12°	431	76	
SL220SS27MF	Stainless steel	5.7W	2700K	40°	515	90	
SL220SS27MS	Stainless steel	5.7W	2700K	12°	515	90	
SL220SS30MF	Stainless steel	5.7W	3000K	40°	520	91	
SL220SS30MS	Stainless steel	5.7W	3000K	12°	520	91	
SL220SS40MF	Stainless steel	5.7W	4000K	40°	538	94	
SL220SS40MS	Stainless steel	5.7W	4000K	12°	538	94	

In the part code to replace your colour, change SS to AB (Antique Brass), BK (Black) or BZ (Bronze). **Important:** AB finish is made to order. Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Parallel

## Accessories

JB5	Gel filled waterproof connector	Sold Separately	322
GH220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	231
GS220	Stylish, baffle-style snoot, perfect for creating a moonlighting effect	Sold Separately	231

## Spike Lights

**5.7W** 5.7W

**Coastal protected**

**IP65** IP65 ideal for outdoor areas

## Guarantee

7 years

## Features & benefits

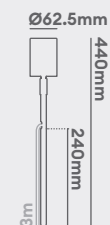
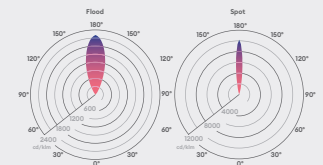
Tilttable for flexible lighting direction to help suit any installation

SDCM3 ensuring uniform light appearance and consistency

Single LED and lens combination for maximum efficiency and optimal light distribution

Choice of material finish to suit different styles

**Beam angle: 40° 12°**



## Spike Lights



2.2W at 350mA or  
4.6W at 700mA



Coastal protected



IP65 ideal for  
outdoor areas

### Guarantee

7 years

### Features & benefits

Single LED and lens combination for maximum efficiency and optimal light distribution

Choice of material finish to suit different styles



GH220B



GS220B

## SL230 Single Head

Low voltage single head LED spike light

### Features

IP rating	IP65
CSP switchable	Single CCT
Tilttable	90°
Input	350mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Inrush current	N/A
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	1.05
Maximum ambient temperature	50°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

### Photometrics @ 25°C

Product code	Finish	CCT	Beam angle	350mA			700mA			Energy
				W	lm	lm/W	W	lm	lm/W	
SLX230SHA30	Anthracite	3000K	40°	2.2W	300	136	4.6W	1182	113	
SLX230SHB30	Black	3000K	40°	2.2W	300	136	4.6W	1182	113	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

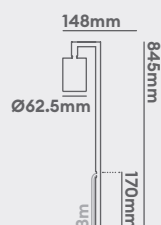
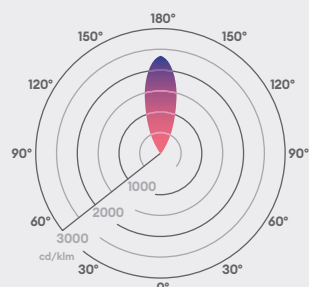
See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-6
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	2-4
PSIP70018W	220-240V	Yes	No	1	1-3

### Accessories

JB2 / JB4 / JB6	Waterproof junction box / Gel filled waterproof connectors	Sold Separately	<a href="#">322</a>
GH220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	<a href="#">233</a>
GS220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	<a href="#">233</a>

Beam angle: 40°





# SL230 Single Head Mains

Mains voltage single head LED spike light

## Features

IP rating	IP65
CSP switchable	Single CCT
Tilttable	90°
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

## Installation information

Inrush current	60A 37µs (SLM230SH_...)
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	1.18
Maximum ambient temperature	50°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

## Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	lm	lm/W	Energy
SLM230SHA30	Anthracite	5.7W	3000K	40°	520	91	
SLM230SHB30	Black	5.7W	3000K	40°	520	91	

Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

## Accessories

JB5	Gel filled waterproof connector	Sold Separately	322
GH220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	233
GS220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	233

## Spike Lights

**5.7W** 5.7W

Coastal protected

**IP65** IP65 ideal for outdoor areas

## Guarantee

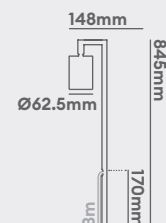
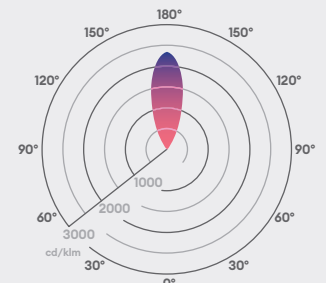
7 years

## Features & benefits

High efficacy of 91lm/W

Single LED and lens combination for maximum efficiency and optimal light distribution

Beam angle: 40°



# Spike Lights



4.4W at 350mA or  
9.2W at 700mA



Coastal protected



IP65 ideal for  
outdoor areas

## Guarantee

7 years

## Features & benefits

Adjustable pole-mounted twin heads are perfect for illuminating paths, steps and trees

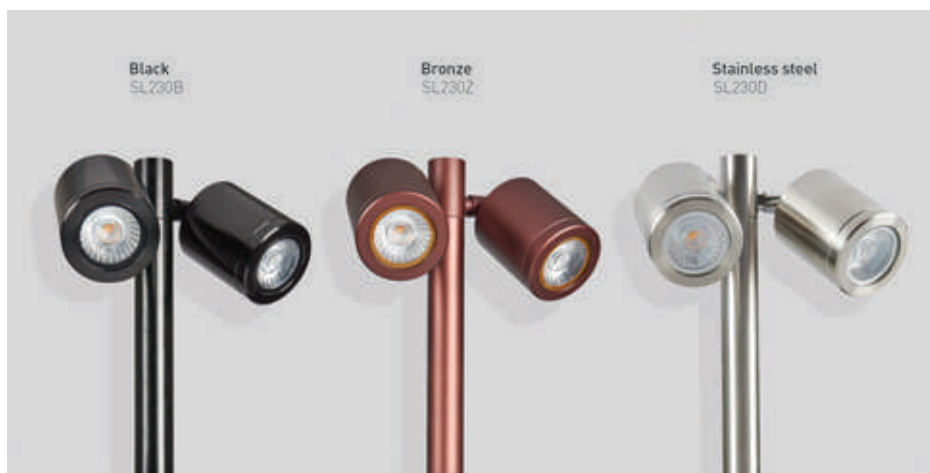
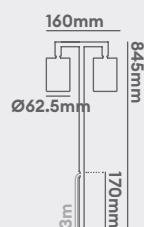
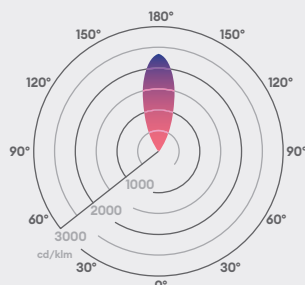
Easily ground mounted with spiked pole and single cable for quick installation

Elegant and discreet black and bronze finishes

Highly efficiency of 114lm/W

Discreet cabling

Beam angle: 40°



## SL230

Low voltage LED twin pole spike light

## Features

IP rating	IP65
CSP switchable	Single CCT
Tilttable	90°
Input	350mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

## Installation information

Inrush current	N/A
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	SL230B: 1432g SL230D: 3200g SL230Z: 1401g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3

## Photometrics @ 25°C

Product code	Finish	CCT	Beam angle	350mA			700mA			Energy
				W	lm	lm/W	W	lm	lm/W	
SL230BWBX27	Black anodised aluminium	2700K	40°	4.4W	580	135	9.2W	2 x 1171	111	A E
SL230BWBX30	Black anodised aluminium	3000K	40°	4.4W	580	140	9.2W	2 x 1182	112	A E
SL230DWBX30	Stainless steel	3000K	40°	4.4W	580	140	9.2W	2 x 1182	112	A E
SL230ZWBX27	Bronze anodised aluminium	2700K	40°	4.4W	580	135	9.2W	2 x 1171	111	A E
SL230ZWBX30	Bronze anodised aluminium	3000K	40°	4.4W	600	140	9.2W	2 x 1182	112	A E

Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

## Recommended LED drivers

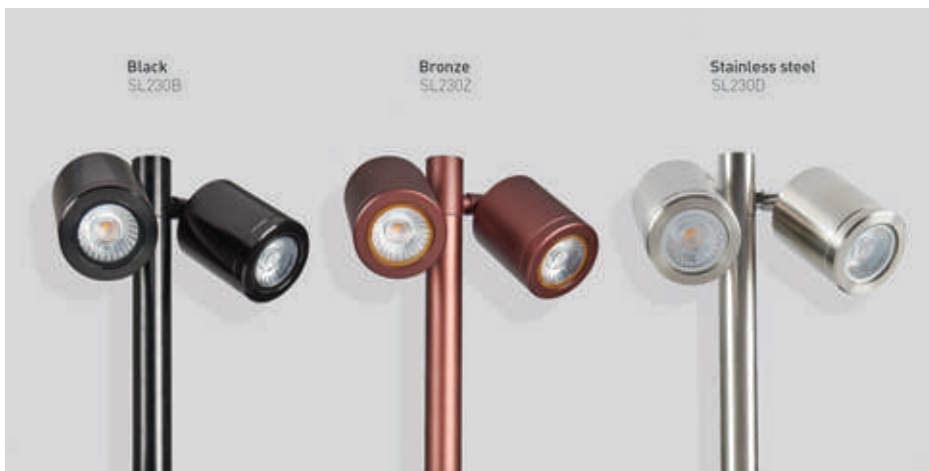
See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-3
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	1-2
PSIP70036W	220-240V	Yes	No	1	2-3

## Accessories

JB2 / JB4 / JB6	Waterproof junction box / Gel filled waterproof connectors	Sold Separately	322
GH220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	233
GS220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	233





## SL230 Mains

Mains voltage LED twin pole spike light

### Features

IP rating	IP65
CSP switchable	Single CCT
Tilttable	90°
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Inrush current	120A 37μs
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	SL230B: 1578g SL230D: 3500g SL230Z: 1577g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

### Photometrics @ 25°C

Product code	Finish	W	CCT	Beam angle	lm	lm/W	Energy
SL230BWBM27	Black anodised aluminium	11.4W	2700K	40°	1030	2 x 90	1000
SL230BWBM30	Black anodised aluminium	11.4W	3000K	40°	1040	2 x 91	1000
SL230DWBM27	Stainless steel	11.4W	2700K	40°	1030	2 x 90	1000
SL230DWBM30	Stainless steel	11.4W	3000K	40°	1040	2 x 91	1000
SL230ZWBM30	Bronze anodised aluminium	11.4W	3000K	40°	1040	2 x 91	1000

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

### Accessories

JB5	Gel filled waterproof connector	Sold Separately	322
GH220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	233
GS220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	233

## Spike Lights

11.4W

11.4W



Coastal protected

IP65

IP65 ideal for outdoor areas

### Guarantee

7 years

### Features & benefits

Adjustable pole-mounted twin heads are perfect for illuminating paths, steps and trees

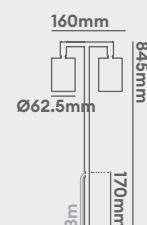
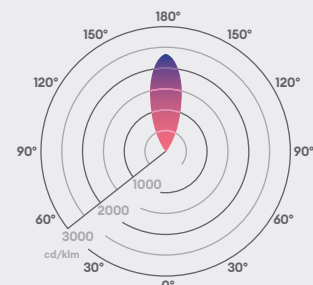
Easily ground mounted with spiked pole and single cable for quick installation

Elegant and discreet black and bronze finishes

Mains voltage for easy installation

Highly efficiency of 93lm/W

Beam angle: 40°







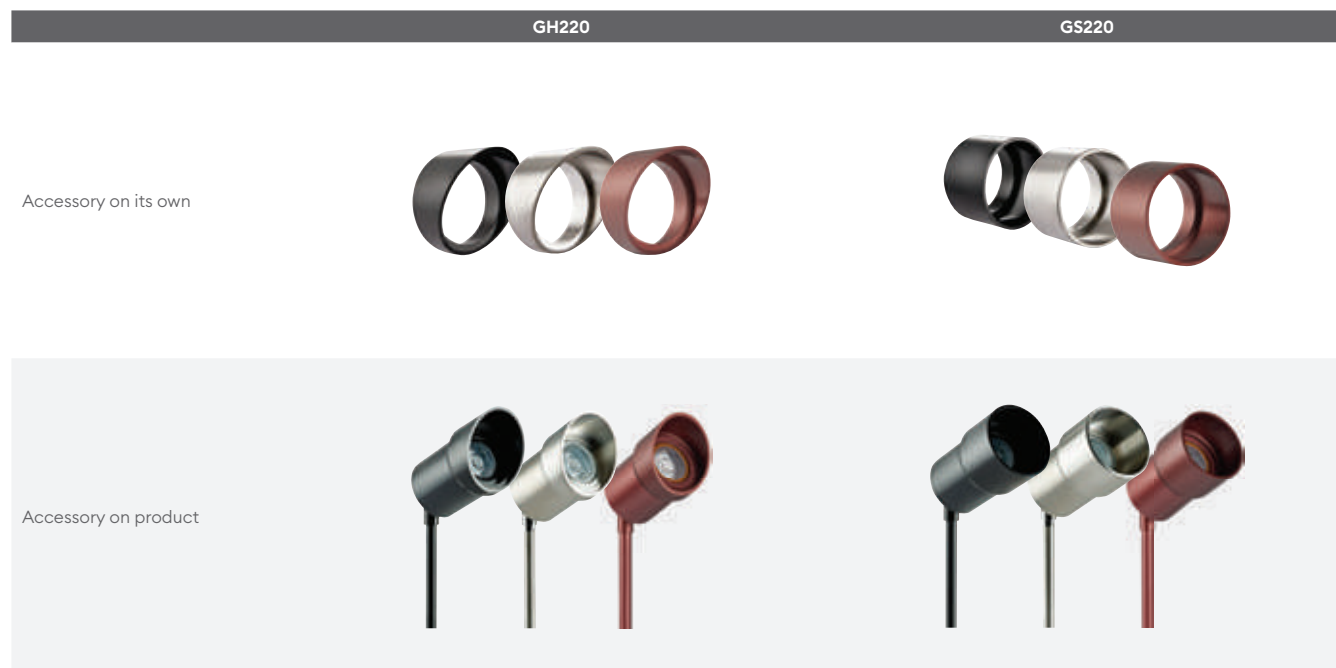


# Spike light accessories

Choose the ideal accessory for your spike light

Lower the glare of your spike light for visual comfort and improving it's effect on wildlife.

## Choose the ideal accessory



## Product codes

Product Code	Finish	Description	Guarantee
GH220B	Black	Low-glare, tapered hood	7 year extended warranty
GH220D	Stainless steel 316	Low-glare, tapered hood	7 year extended warranty
GH220Z	Bronze	Low-glare, tapered hood	7 year extended warranty
GS220B	Black	Low-glare, cylindrical snoot	7 year extended warranty
GS220D	Stainless steel 316	Low-glare, cylindrical snoot	7 year extended warranty
GS220Z	Bronze	Low-glare, cylindrical snoot	7 year extended warranty

For full product specification visit [collingwoodlighting.com](http://collingwoodlighting.com)

## Compatible with

	SL030 Page 222	SL040A Page 223	SL220 Page 224	SL220 Mains Page 225
GH220B			●	●
GH220D			●	●
GH220Z			●	●
GS220B			●	●
GS220D			●	●
GS220Z			●	●

# Spike Lights



Switchable  
between 2200K  
and 3000K



360° even light  
distribution



IP66 ideal for  
outdoor areas

## Guarantee

5 years

## Features & benefits

Installation spike included with product

Water ingress protection device included in cable

Can be dimmable based on driver used

A full range of aesthetical and installation accessories available

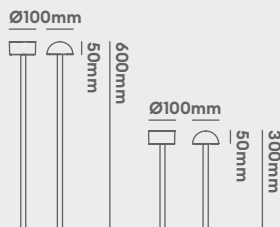
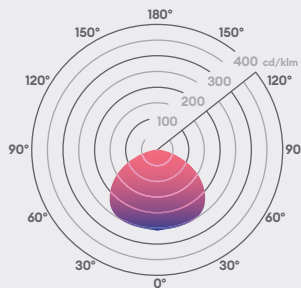
DC in Product Code = Domed Cover

FC in Product Code = Flat Cover

Product is delivered with Cover and Installation Spike as standard

Grey RAL 7016, Black RAL 9005

Beam angle: 120°



## Spydra CSP 300mm Grey

CCT colour switchable LED low voltage spike light

### Features

IP rating	IP66
CSP switchable	Switchable CCT
Tiltable	No
Input	8-11V DC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Inrush current	N/A
Construction material	Aluminium
Suitable for coastal areas	Yes
Weight	300mm: 430g
Maximum ambient temperature	-20°C - 40°C
SELV	N/A
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Feature	Finish	W	CCT	Beam angle	lm	lm/W	Energy
SPYA3DCS	Domed Grey	Grey	3W	2200K	120°	240	60	
				3000K	120°	310	77	
			6.5W	2200K	120°	450	56	
				3000K	120°	580	73	
SPYA3FCS	Flat Grey	Grey	3W	2200K	120°	240	60	
				3000K	120°	310	77	
			6.5W	2200K	120°	450	56	
				3000K	120°	580	73	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-4
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	1-2
PSIP70018W	220-240V	Yes	No	1	1-2

### Accessories

SPYBASEA	Spydra Base Plate for surface mounting, Grey	Sold Separately
SPYBASEB	Spydra Base Plate for surface mounting, Black	Sold Separately
SPYDCOVA	Spydra Domed Cover Round, Grey	Sold Separately
SPYDCOVB	Spydra Domed Cover Round, Black	Sold Separately
SPYFCOVA	Spydra Flat Cover, Grey	Sold Separately
SPYFCOVB	Spydra Flat Cover, Black	Sold Separately





## Spydra CSP 600mm Grey

CCT colour switchable LED low voltage spike light

### Features

IP rating	IP66
CSP switchable	Switchable CCT
Tiltable	No
Input	8-11V DC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Inrush current	N/A
Construction material	Aluminium
Suitable for coastal areas	Yes
Weight	600mm: 510g
Maximum ambient temperature	-20°C - 40°C
SELV	N/A
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Feature	Finish	W	CCT	Beam angle	lm	lm/W	Energy
SPYA6DCS	Domed Grey	Grey	3W	2200K	120°	240	60	
				3000K	120°	310	77	
			6.5W	2200K	120°	450	56	
				3000K	120°	580	73	
SPYA6FCS	Flat Grey	Grey	3W	2200K	120°	240	60	
				3000K	120°	310	77	
			6.5W	2200K	120°	450	56	
				3000K	120°	580	73	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-4
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	1-2
PSIP70018W	220-240V	Yes	No	1	1-2

### Accessories

SPYBASEA	Spydra Base Plate for surface mounting, Grey	Sold Separately
SPYBASEB	Spydra Base Plate for surface mounting, Black	Sold Separately
SPYDCOVA	Spydra Domed Cover Round, Grey	Sold Separately
SPYDCOVB	Spydra Domed Cover Round, Black	Sold Separately
SPYFCOVA	Spydra Flat Cover, Grey	Sold Separately
SPYFCOVB	Spydra Flat Cover, Black	Sold Separately

## Spike Lights



Switchable between 2200K and 3000K



360° even light distribution



IP66 ideal for outdoor areas

### Guarantee

5 years

### Features & benefits

Installation spike included with product

Water ingress protection device included in cable

Can be dimmable based on driver used

A full range of aesthetical and installation accessories available

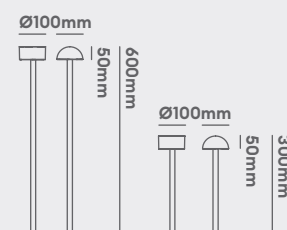
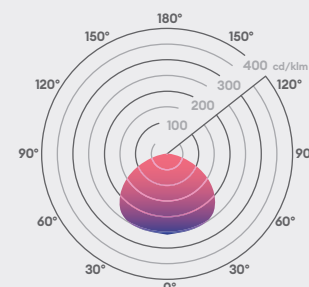
DC in Product Code = Domed Cover

FC in Product Code = Flat Cover

Product is delivered with Cover and Installation Spike as standard


Grey RAL 7016, Black RAL 9005

Beam angle: 120°



# Spike Lights

 **Switchable between 2200K and 3000K**

 **360° even light distribution**

 **IP66 ideal for outdoor areas**

## Guarantee

5 years

## Features & benefits

Installation spike included with product

Water ingress protection device included in cable

Can be dimmable based on driver used

A full range of aesthetical and installation accessories available

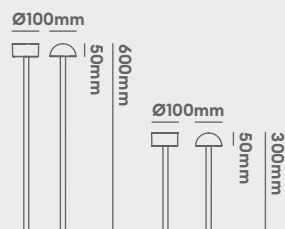
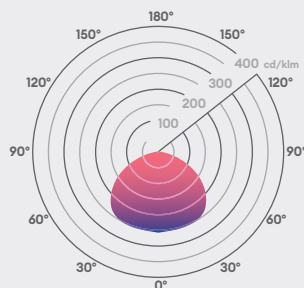
DC in Product Code = Domed Cover

FC in Product Code = Flat Cover

Product is delivered with Cover and Installation Spike as standard

Grey RAL 7016, Black RAL 9005

Beam angle: 120°



## Spydra CSP 300mm Black

CCT colour switchable LED low voltage spike light


### Features

IP rating	IP66
CSP switchable	Switchable CCT
Tiltable	No
Input	8-11V DC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Inrush current	N/A
Construction material	Aluminium
Suitable for coastal areas	Yes
Weight	300mm: 430g
Maximum ambient temperature	-20°C - 40°C
SELV	N/A
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Feature	Finish	W	CCT	∠°	lm	lm/W	Energy
SPYB3DCS	Domed Black	Black	3W	2200K	120°	240	60	
				3000K	120°	310	77	
			6.5W	2200K	120°	450	56	
				3000K	120°	580	73	
SPYB3FCS	Flat Black	Black	3W	2200K	120°	240	60	
				3000K	120°	310	77	
			6.5W	2200K	120°	450	56	
				3000K	120°	580	73	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-4
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	1-2
PSIP70018W	220-240V	Yes	No	1	1-2

### Accessories

SPYBASEA	Spydra Base Plate for surface mounting, Grey	Sold Separately
SPYBASEB	Spydra Base Plate for surface mounting, Black	Sold Separately
SPYDCOVA	Spydra Domed Cover Round, Grey	Sold Separately
SPYDCOVB	Spydra Domed Cover Round, Black	Sold Separately
SPYFCOVA	Spydra Flat Cover, Grey	Sold Separately
SPYFCOVB	Spydra Flat Cover, Black	Sold Separately



## Spydra CSP 600mm Black

CCT colour switchable LED low voltage spike light

### Features

IP rating	IP66
CSP switchable	Switchable CCT
Tiltable	No
Input	8-11V DC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Inrush current	N/A
Construction material	Aluminium
Suitable for coastal areas	Yes
Weight	600mm: 510g
Maximum ambient temperature	-20°C - 40°C
SELV	N/A
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Feature	Finish	W	CCT	∠°	lm	lm/W	Energy
SPYB6DCS	Domed Black	Black	3W	2200K	120°	240	60	
				3000K	120°	310	77	
			6.5W	2200K	120°	450	56	
				3000K	120°	580	73	
SPYB6FCS	Flat Black	Black	3W	2200K	120°	240	60	
				3000K	120°	310	77	
			6.5W	2200K	120°	450	56	
				3000K	120°	580	73	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-4
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	1-2
PSIP70018W	220-240V	Yes	No	1	1-2

### Accessories

SPYBASEA	Spydra Base Plate for surface mounting, Grey	Sold Separately
SPYBASEB	Spydra Base Plate for surface mounting, Black	Sold Separately
SPYDCOVA	Spydra Domed Cover Round, Grey	Sold Separately
SPYDCOVB	Spydra Domed Cover Round, Black	Sold Separately
SPYFCOVA	Spydra Flat Cover, Grey	Sold Separately
SPYFCOVB	Spydra Flat Cover, Black	Sold Separately

## Spike Lights



Switchable  
between 2200K  
and 3000K



360° even light  
distribution



IP66 ideal for  
outdoor areas

### Guarantee

5 years

### Features & benefits

Installation spike included with product

Water ingress protection device included in cable

Can be dimmable based on driver used

A full range of aesthetical and installation accessories available

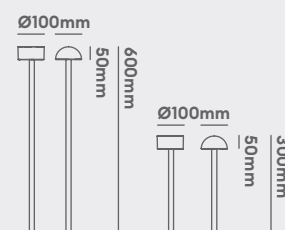
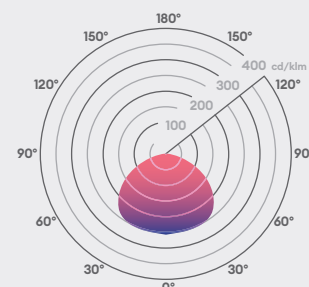
DC in Product Code = Domed Cover

FC in Product Code = Flat Cover

Product is delivered with Cover and Installation Spike as standard

Grey RAL 7016, Black RAL 9005

Beam angle: 120°



# Feature Lights





# Feature lights

## A flexible solution

Collingwood's outdoor lights have been specifically engineered to cope with challenging environments. Whether illuminating sculptures, plant life or fully immersed in ponds or water features, rest assured that our luminaires are built to last.

### Flexibility

With a 360° rotation and 180° tilt, our UL010 and UL030 lights provide ultimate flexibility with the ability to be pointed in any direction, illuminating the areas you want to showcase.

#### 360° rotation

This is achieved with an adjustable bracket at the base of the product.



#### 180° tiltable

Using the bracket directly attached to the product, the light can be tilted upwards and downwards.



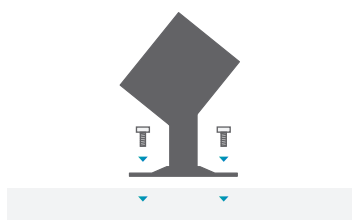
### Coastal protection

Our UL010 and UL030 products are completely protected from the effects of rust and salt water corrosion. This includes our marine-grade 316 and antique brass finish.



### Mount anywhere

Designed with flexibility in mind, our fittings can be mounted on to most surfaces. The screw-in structure allows for attaching to a hard surface securely, where recessing a light is impossible.



### Output options

Both products have a narrow beam which means punchy illumination from a neat and compact fitting. As each installation is unique, it may require a high or low output fitting.

#### High output

The UL030 is ideal for general illumination.



#### Low output

The UL010 works well for subtle feature illumination.



### Discreet fittings

We understand the focus of lighting should be the illumination, not the fitting, which is why the flexible nature of these products ensures they are easy to conceal in a landscape.





# Underwater lighting

Illuminating a pond or water feature will help to transform any landscape design, creating a focal point whilst also adding a layer of protection, and ensuring passers-by are aware of where the water is located.

## Lighting effect

A number of effects can be created when strategically lighting water and water features.

### Backlighting waterfalls

Adding lighting to the soothing sound of a waterfall can create a calm and peaceful atmosphere.



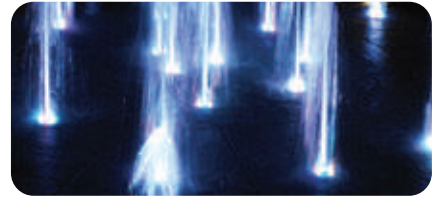
### Reflections

Indirectly illuminate by up lighting surrounding shrubs and trees; unique reflections will be cast into the water.



### Highlighting water features

Maintain maximum visual impact after the sun sets by using spot lighting to highlight water features.



## Adding depth to your landscape

Highlighting water features can add significant depth and appeal to the overall landscape design.



## Submersible fittings

Our Collingwood patented technology ensures that our UL010 and UL030 IP68 rated feature lights are completely air tight and can be used under water.



## The ripple effects

As water moves and ripples, the light moves with it. This adds a sense of motion and fluidity to your scheme and sparks visual interest.



## Feature Lights



Switchable driver  
option for quick  
and easy installation



Coastal Protected



IP68 ideal for  
outdoor areas and  
under water lighting

### Guarantee

7 years

### Features & benefits

Single LED and lens combination  
for maximum efficiency and  
optimal light distribution

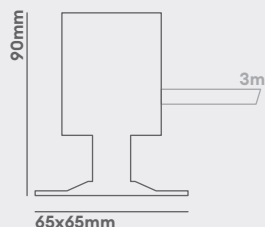
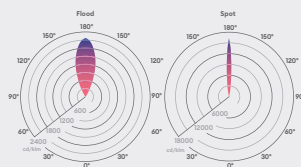
Complete with wall fixings

Tilt & rotate for adjusting light

Available in an array of colours

Long lifetime of 70,000hrs

Beam angle: 40°



## UL030

High output universal LED light

### Features

IP rating	IP68
CSP switchable	Single CCT
Tiltable	360°
Rotatable	360°
Dimmable	Driver dependent
Input	150mA / 250mA / 350mA / 500mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Inrush current	N/A
Construction material	Stainless Steel 316
Suitable for coastal areas	Yes
Weight	UL030AB: 680g, UL030BK: 680g, UL030SS: 645g, UL030BZ: TBC
Maximum ambient temperature	55°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

### Photometrics @ 25°C

Product code	Finish	CCT	Beam angle	150mA			700mA			Energy
				W	lm	lm/W	W	lm	lm/W	
UL030SS22XF	Stainless steel	2200K	40°	0.85W	108	135	4.6W	431	94	1.1
UL030SS22XS	Stainless steel	2200K	12°	0.85W	108	135	4.6W	431	94	1.1
UL030SS27XF	Stainless steel	2700K	40°	0.85W	129	161	4.6W	515	112	1.1
UL030SS27XS	Stainless steel	2700K	12°	0.85W	129	161	4.6W	515	112	1.1
UL030SS30XF	Stainless steel	3000K	40°	0.85W	130	163	4.6W	520	113	1.1
UL030SS30XS	Stainless steel	3000K	12°	0.85W	130	163	4.6W	520	113	1.1
UL030SS40XF	Stainless steel	4000K	40°	0.85W	134	168	4.6W	538	117	1.1
UL030SS40XS	Stainless steel	4000K	12°	0.85W	134	168	4.6W	538	117	1.1

In the part code to replace your colour, change SS to AB (Antique Brass), BK (Black) or BZ (Bronze). **Important:** BZ finish is made to order. Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

### Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-6
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	2-6
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	2-4

### Accessories

JB2 / JB4	Waterproof junction box / Gel filled waterproof connector	Sold Separately	322
WCR 275 BLACK	2-core rubber cable	Sold Separately	323





# UL010

Universal LED light

## Features

IP rating	IP68
CSP switchable	Single CCT
Tiltable	360°
Rotatable	360°
Dimmable	Driver dependent
Input	150mA / 250mA / 350mA / 500mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

## Installation information

Inrush current	N/A
Construction material	Stainless Steel 316
Suitable for coastal areas	Yes
Weight	UL010A: 512g, UL010BK: 512g, UL010SS: 500g, UL010BZ: TBC
Maximum ambient temperature	55°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

## Photometrics @ 25°C

Product code	Finish	CCT	Beam angle	150mA			700mA			Energy
				W	lm	lm/W	W	lm	lm/W	
UL010SS22XF	Stainless steel	2200K	40°	0.4W	51	120	2.2W	196	89	100lm/W
UL010SS27XF	Stainless steel	2700K	40°	0.4W	51	120	2.2W	196	89	100lm/W
UL010SS30XF	Stainless steel	3000K	40°	0.4W	54	129	2.2W	210	95	100lm/W
UL010SS40XF	Stainless steel	4000K	40°	0.4W	60	143	2.2W	234	106	100lm/W

In the part code to replace your colour, change SS to AB (Antique Brass), BK (Black) or BZ (Bronze). **Important:** BZ finish is made to order. Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

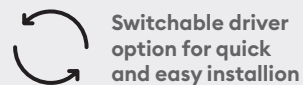
## Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-13
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	3-12
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	3-8

## Accessories

JB2 / JB4	Waterproof junction box / Gel filled waterproof connector	Sold Separately	322
WCR 275 BLACK	2-core rubber cable	Sold Separately	323

## Feature Lights



Switchable driver option for quick and easy installation



Coastal Protected



IP68 ideal for outdoor areas and under water lighting

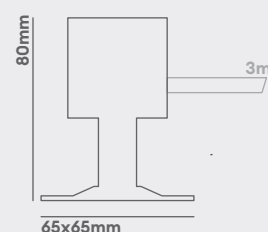
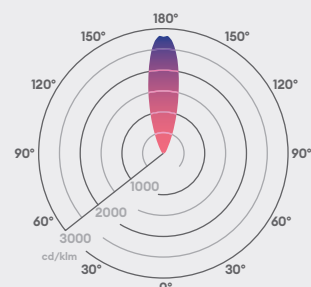
## Guarantee

7 years

## Features & benefits

Complete with wall fixings  
Robust cable for use outdoors  
Tilt & rotate for adjusting light  
Available in an array of colours  
Long lifetime of 70,000hrs

Beam angle: 40°



# Wall Lights





# Wall lights

## To create secure and adventurous spaces

Wall lights provide security as well as atmospheric and decorative lighting. Available in a range of styles and finishes, choose the perfect solution for your installation.

### Choose your effect and how to create it

Highlight architecture or illuminate an entrance with Collingwood wall lights. The images below illustrate how your choice of lighting creates different effects.

#### Choose your effect:



#### Create it using:

##### WL070

This up / down light produces a narrow and concentrated beam of light up and downwards. This is used most effectively in situations where there is a great deal of height to fully appreciate the effect of the columns of light. As a result, these fittings are great for framing doors and windows.



##### WL075

The narrow and intense beam of light from this fitting will enhance the texture of the surface upon which it is mounted. This product works well on uneven stone and provides plenty of contrast between areas of light and shade.



### Premium finishes

Available in a range of stylish finishes such as anodised aluminium and antique brass, our powerful WL220 wall lights also sport an attractive single point source LED, maximising the look and feel of the luminaires without compromising on performance. Alongside our ultra-premium solid brass finish, we've updated our range to include stainless steel 316 and anodised bronze, giving you even more choice when designing your installation.



### Framing Vs feature lighting

With several styles and finishes available, we have the solution that creates the perfect lighting effect for your installation. Types of light effects to consider are:

#### Wall grazing



WL175A

#### Directional



WL220

#### Decorative



WL060





#### WL060

This fitting provides a diffused decorative light from its top and a broad spread of down light which will light the threshold of a doorway. This fitting will also ensure both comfort and safety are accommodated in addition to highlighting any decorative planting positioned below.



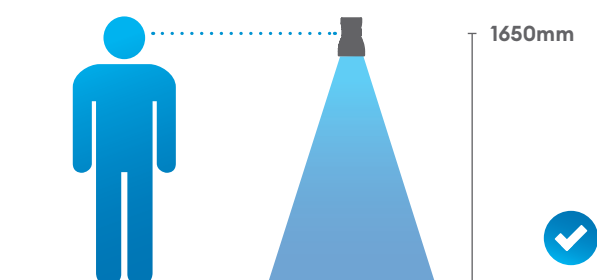
#### WL012

This fitting provides a broad spread of light from the diffused window design. This makes it suitable for general illumination for entrance areas.



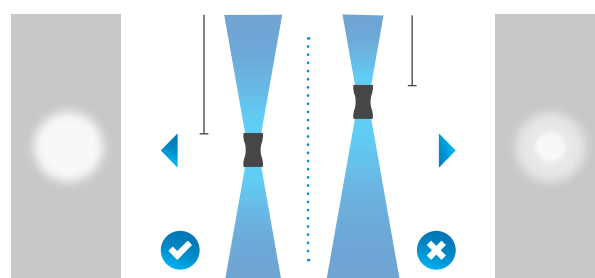
## Height of wall lights

A general rule of choosing the correct height and position for wall lights is 1650mm from floor or ground level (eye level to a person of 5ft 8in height.)



## Light positioning

To avoid hot spots when using up/down lights to frame doors and windows, ensure that they are not positioned too closely to the ceiling or other horizontal surfaces.











## WL070

Black straight to mains, high output LED wall light

### Features

IP rating	IP65
CSP switchable	Single CCT
Tilttable	No
Dimmable	No
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Bathroom zone	2
Inrush current	60A 0.037ms
Construction material	Anodised aluminium,
Suitable for coastal areas	Yes
Weight	0.9kg
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

### Photometrics @ 25°C

Product code	Finish	W	CCT	Beam angle	lm	lm/W	Energy
WL070BNBM27	Black	5.1W	2700K	12°	510 / 255	100	
WL070BNBM30	Black	5.1W	3000K	12°	550 / 275	108	
WL070SNBM27	Silver	5.1W	2700K	12°	510 / 255	100	
WL070SNBM30	Silver	5.1W	3000K	12°	550 / 275	108	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	0.3m
Type of wiring required	Parallel

### Accessories

N/A (No Accessories required)
-------------------------------

## Wall Lights



5.1W



Coastal protected



IP65 ideal for outdoor environments

### Guarantee

7 years

### Features & benefits

Single LED and lens combination for maximum efficiency and optimal light distribution.

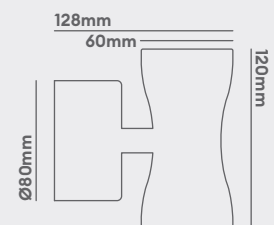
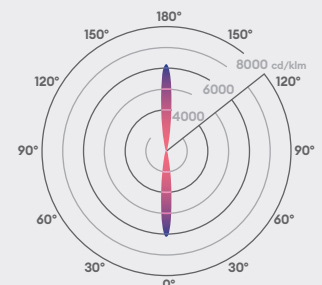
Ideal for framing entrances and illuminating columns with its bi-directional lights

Anodised Aluminium is sleek and durable

Long lifetime of 70,000hrs

Mains voltage wall light

Beam angle: 12°



## Wall Lights

**5.7W** 5.7W

**Coastal protected**

**330°** Adjustable LED fitting

### Guarantee

7 years

### Features & benefits

Straight to mains

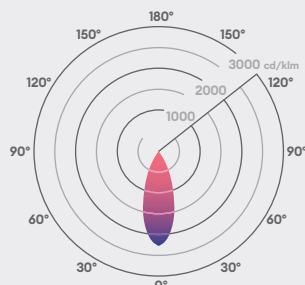
IP65 ideal for outdoor environments

Improved look and feel with single LED

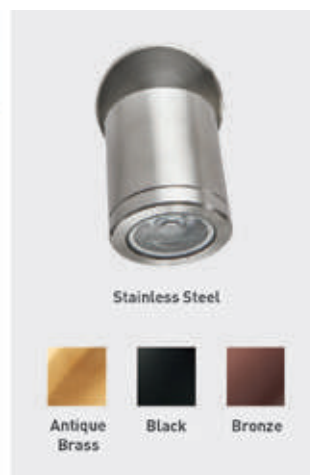
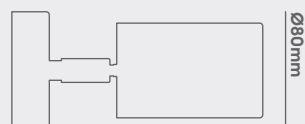
Adjustable head allows for quick changes in direction light to suit any installation.

Available in an array of colours Antique Brass, Black, Bronze, Copper, and Stainless Steel

Beam angle: 40°



145mm



## WL220

Straight to mains LED wall light

### Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	90°
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Inrush current	0.07ms 5.2A
Construction material	Stainless Steel 316
Suitable for coastal areas	Yes
Weight	WL220AB: TBC, WL220SS: 1000g, WL220BK: 500g, WL220BZ: 500g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

### Photometrics @ 25°C

Product code	Finish	W	CCT	Beam angle	lm	lm/W	Energy
WL220SS22MF	Stainless steel	5.7W	2200K	40°	431	76	
WL220SS22MS	Stainless steel	5.7W	2200K	40°	431	76	
WL220SS27MF	Stainless steel	5.7W	2700K	40°	515	90	
WL220SS27MS	Stainless steel	5.7W	2700K	40°	515	90	
WL220SS30MF	Stainless steel	5.7W	3000K	40°	520	91	
WL220SS30MS	Stainless steel	5.7W	3000K	40°	520	91	
WL220SS40MF	Stainless steel	5.7W	4000K	40°	538	94	
WL220SS40MS	Stainless steel	5.7W	4000K	40°	538	94	

In the part code to replace your colour, change SS to AB (Antique Brass), BK (Black) or BZ (Bronze). **Important:** AB finish is made to order. Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	0.3m
Type of wiring required	Parallel

### Accessories

GH220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	<a href="#">231</a>
GS220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	<a href="#">231</a>



# Wall Lights

5.7W 5.7W

Coastal protected

IP65 ideal for outdoor environments

## Guarantee

7 years

## Features & benefits

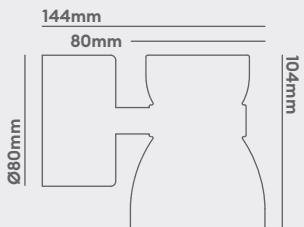
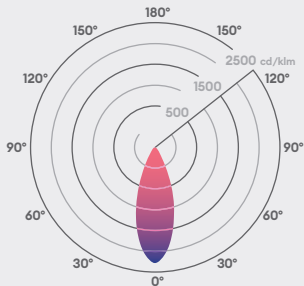
Single LED and lens combination for maximum efficiency and optimal light distribution.

Straight to mains wall light, perfect for framing entrances and illuminating columns

Anodised Aluminium is sleek and durable

Long lifetime of 70,000hrs

Beam angle: 110°



# WL075

Black straight to mains, high output LED wall light

## Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	No
Dimmable	No
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

## Installation information

Bathroom zone	2
Inrush current	60A 0.037ms
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	1.2kg
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

## Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	lm	lm/W	Energy
WL075BNBM27	Black	5.7W	2700K	110°	515	90	A E
WL075BNBM30	Black	5.7W	3000K	110°	520	91	A E
WL075SNBM27	Silver	5.7W	2700K	110°	515	90	A E
WL075SNBM30	Silver	5.7W	3000K	110°	520	91	A E
WL075ZNBM27	Bronze	5.7W	2700K	110°	515	90	A E
WL075ZNBM30	Bronze	5.7W	3000K	110°	520	91	A E

Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	0.3m
Type of wiring required	Parallel

## Accessories

N/A (No Accessories required)
-------------------------------

# Wall Lights



2.6W



Coastal protected



IP65 ideal for outdoor environments

## Guarantee

7 years

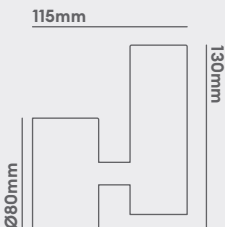
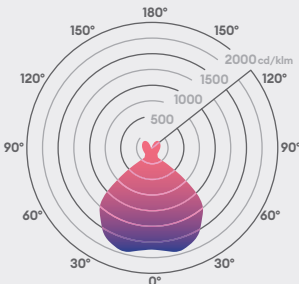
## Features & benefits

Bi-directional wall light offering decorative halo effect and functional downward flood light

Complete with wall fixings and waterproof crimp connectors

Mains voltage wall light

Beam angle: 120°



250



## WL060 | WL160

Straight to mains LED halo / flood wall light

### Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	No
Dimmable	No
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Bathroom zone	2
Inrush current	9A 0.8ms
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	0.6kg
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

### Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	lm	lm/W	Energy
WL060 NW	Silver	2.6W	4000K	120°	82	32	A B P
WL060 WW	Silver	2.6W	3000K	120°	58	22	A B P
WL160 27	Black	2.6W	2700K	120°	56	22	A B P
WL160 NW	Black	2.6W	4000K	120°	82	32	A B P
WL160 WW	Black	2.6W	3000K	120°	58	22	A B P

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	0.3m
Type of wiring required	Parallel

### Accessories

N/A (No Accessories required)
-------------------------------



## WL012

IP54, 610lm straight to mains wall light

### Features

IP rating	IP54
CSP switchable	Single CCT
Tilttable	
Dimmable	No
Input	220-240V AC
LED lifetime	L70 30,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5

### Installation information

Bathroom zone	N/A
Inrush current	20A 0.5ms
Construction material	Powder coated aluminium
Suitable for coastal areas	No
Weight	1kg
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

### Photometrics @ 25°C

Product code	Finish	W	CCT	Beam angle	lm	lm/W	Energy
WL012G30	Grey RAL7022	11.0W	3000K	338°	610	55	
WL012X30	Black RAL9011	11.0W	3000K	338°	610	55	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	N/A
Type of wiring required	Parallel

### Accessories

N/A (No Accessories required)
-------------------------------

## Wall Lights



11W



Integral bracket for easy installation



IP54 ideal for framing doorways and entrances

### Guarantee

5 years

### Features & benefits

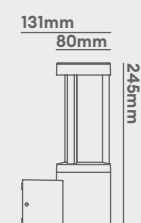
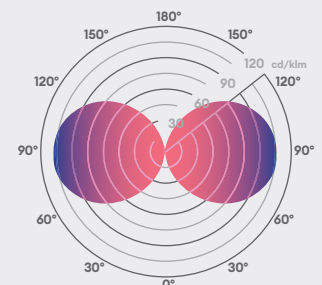
Straight to mains screw terminals

Durable powder coated aluminium in contemporary black or grey finish

Provides a good light level for safe navigation at night

Wide light distribution with 360° beam angle

Beam angle: 338°



# Residential Floodlights





# Residential floodlights

## Functional and security lighting

The Collingwood residential floodlights have been upgraded to be the most efficient in the market, have an extended warranty of up to 5 years, IP65 PIR sensor and approval for installation in coastal areas.

### IP65 directional PIR sensor

#### PIR sensor: Passive infrared sensor

The IP65 rating provides optimum protection against the impacts of rainwater and general adverse weather conditions. The PIR sensor can rotate, meaning that the activation can occur in a different area to where the floodlight illuminates. For example, the sensor could be pointed to a door so that when a person exits the building a separate walkway is illuminated, increasing safety.

#### Advantages

- IP65 rated sensor ideal for adverse weather conditions.
- Sensor rotates allowing the activation to occur in a different area to the illumination.
- Easily adjust motion sensitivity, lux levels and time required on the sensor.
- Save your customer energy and money.



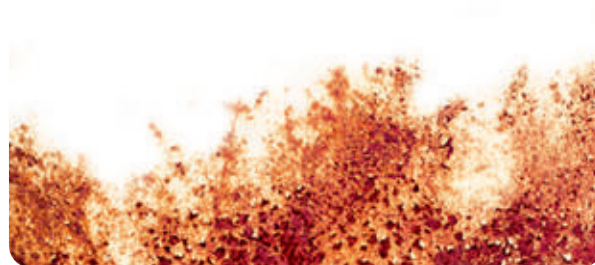
### Coastal protection

#### Rust & salt mist protection

With corrosion resistant protection and coastal protective paint, our floodlights are perfect for use in coastal areas.

#### Advantages

- Feel confident you can install these floodlights anywhere.
- Can be installed into coastal areas without any worry of products failing.



### Quick & easy installation bracket

#### Circular first fix bracket

The circular bracket is detachable and can be mounted to the surface before the rest of the product, allowing for a remarkably easy installation. The product is then simply bolted on to the bracket and the installation completed.

#### Advantages

- Quick & easy installation.
- This bracket is for first fixing onto the wall, and because it's circular, there is no need for spirit level.
- 360° rotation, allowing the floodlight to be installed in a variety of applications.
- Pre-wired with 1m cable.



### 360° rotatable and 180° tiltable

#### Flexibility and reliability

Combining 360° rotation and 180° tilt, this light can be pointed in any direction, ensuring you can illuminate a space from any position.

#### 360° rotation

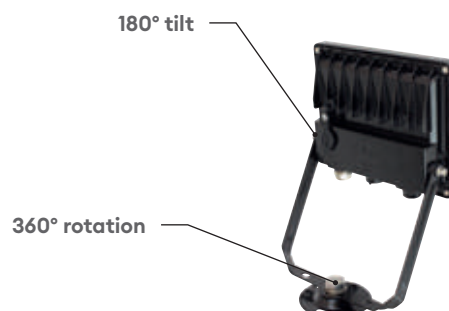
The product has a circular bracket at the end which allows it to be rotated in any direction. Once installed onto a wall, the light can be pointed in any direction with ease.

#### 180° tiltable

The bracket directly attached to the floodlight allows the product to tilt both upwards and downwards.

#### Advantages

- Illuminate space from any direction.
- Can adjust into correct area after it's installed.



## CCT switchable

### One light, three colour temperatures

Our range of colour switchable floodlights allows you to stock 3 colour temperatures in 1 product (3000K, 4000K & 6500K).

#### Advantages

- Simpler product range.
- Products can be easily adjusted after they are installed thanks to a convenient IP65 switch on the back.
- Always have the correct product on hand.

#### 3000K



#### 4000K

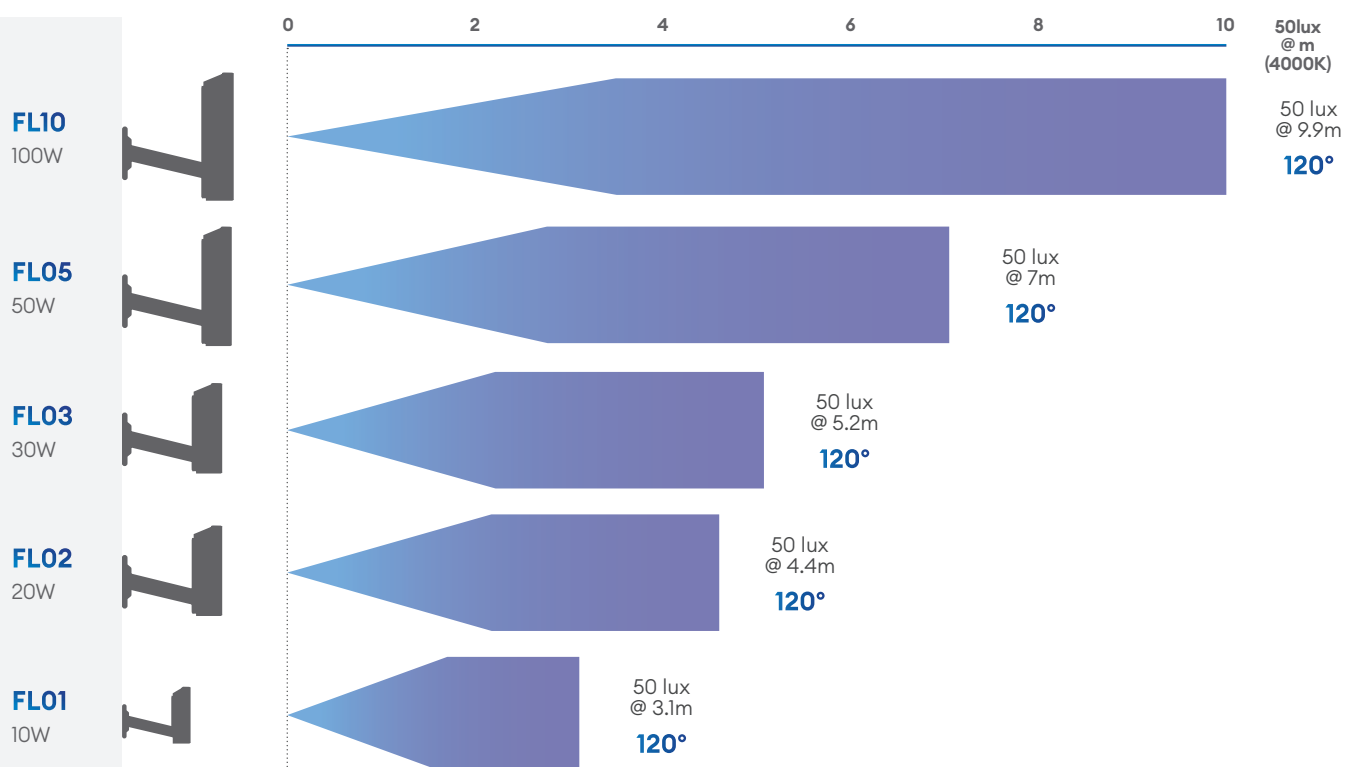


#### 6500K



## Product comparison

Using the diagram below, determine which size product and output is suitable for your installation.



# Residential Floodlights



High efficacy of up to 130lm/W



First fix bracket for quick & easy installation



Ideal for coastal areas

## Guarantee

5 years

## Features & benefits

Colour switchable between 3 colour temperatures

IP65 rated, meaning it provides optimum protection against the impacts of rainwater and general adverse weather conditions

A unique 360° rotation for total flexibility, and a 180° tilt

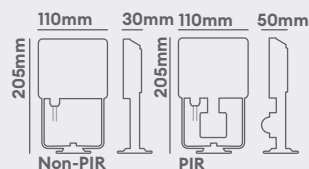
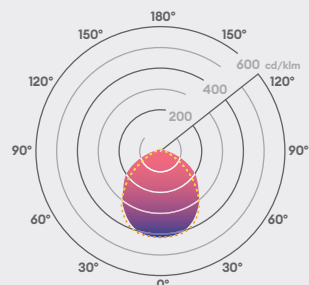
Supplied with 1m cable

Wide 120° beam angle, reducing the number of fittings per area required

Performs in even more extreme conditions from -40°C to +40°C

IP65 PIR option provides override function to leave permanently on or off

Beam angle: C0/C180 C90/C270



## FL01

10W colour switchable floodlight

## Features

IK rating	IK07
IP rating	IP65
CSP switchable	Switchable CCT
Tiltable	180°
Rotatable	360°
UGR	14
Dimmable	No
Input	220-240V AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5

## Installation information

Inrush current	10A 262μs
Construction material	Anthracite painted cast aluminium
Suitable for coastal areas	Yes
Weight	480g
Maximum ambient temperature	-40°C - 40°C
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

## Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	Beam angle	Im	lm/W	Energy
FL01APCS	PIR sensor	Anthracite grey RAL7016	10W	3000K	120°	1100	110	A A E
				4000K	120°	1150	115	
				6500K	120°	1300	130	
FL01AXCS	Standard	Anthracite grey RAL7016	10W	3000K	120°	1100	110	A A E
				4000K	120°	1150	115	
				6500K	120°	1300	130	
FL01BPCS	PIR sensor	Black	10W	3000K	120°	1100	110	A A E
				4000K	120°	1150	115	
				6500K	120°	1300	130	
FL01BXCS	Standard	Black	10W	3000K	120°	1100	110	A A E
				4000K	120°	1150	115	
				6500K	120°	1300	130	
FL01WPCS	PIR sensor	White RAL9016	10W	3000K	120°	1100	110	A A E
				4000K	120°	1150	115	
				6500K	120°	1300	130	
FL01WXCS	Standard	White RAL9016	10W	3000K	120°	1100	110	A A E
				4000K	120°	1150	115	
				6500K	120°	1300	130	

Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	1m H05RN-F rubberised cable 3x1.0mm <sup>2</sup> Ø7mm
Type of wiring required	Parallel

## Accessories

N/A (No Accessories required)





## FL02

20W colour switchable floodlight

### Features

IK rating	IK07
IP rating	IP65
CSP switchable	Switchable CCT
Tilttable	180°
Rotatable	360°
UGR	14
Dimmable	No
Input	220-240V AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5

### Installation information

Inrush current	11A 474μs
Construction material	Anthracite painted cast aluminium
Suitable for coastal areas	Yes
Weight	620g
Maximum ambient temperature	-40°C - 40°C
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

### Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	△°	lm	lm/W	Energy
FL02APCS	PIR sensor	Anthracite grey RAL7016	20W	3000K	120°	2200	110	
				4000K	120°	2400	120	
				6500K	120°	2400	120	
FL02AXCS	Standard	Anthracite grey RAL7016	20W	3000K	120°	2200	110	
				4000K	120°	2400	120	
				6500K	120°	2400	120	
FL02BPCS	PIR sensor	Black	20W	3000K	120°	2200	110	
				4000K	120°	2400	120	
				6500K	120°	2400	120	
FL02BXCS	Standard	Black	20W	3000K	120°	2200	110	
				4000K	120°	2400	120	
				6500K	120°	2400	120	
FL02WPCS	PIR sensor	White RAL9016	20W	3000K	120°	2200	110	
				4000K	120°	2400	120	
				6500K	120°	2400	120	
FL02WXCS	Standard	White RAL9016	20W	3000K	120°	2200	110	
				4000K	120°	2400	120	
				6500K	120°	2400	120	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m H05RN-F rubberised cable 3x1.0mm <sup>2</sup> Ø7mm
Type of wiring required	Parallel

### Accessories

N/A (No Accessories required)

## Residential Floodlights



High efficacy of up to 120lm/W



First fix bracket for quick & easy installation



Ideal for coastal areas

### Guarantee

5 years

### Features & benefits

Colour switchable between 3 colour temperatures

IP65 rated, meaning it provides optimum protection against the impacts of rainwater and general adverse weather conditions

A unique 360° rotation for total flexibility, and a 180° tilt

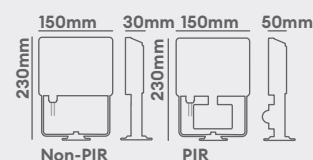
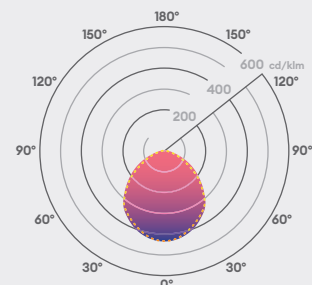
Supplied with 1m cable

Wide 120° beam angle, reducing the number of fittings per area required

Performs in even more extreme conditions from -40°C to +40°C

IP65 PIR option provides override function to leave permanently on or off

Beam angle: C0/C180 C90/C270



## Residential Floodlights



High efficacy of up to 130lm/W



First fix bracket for quick & easy installation



Ideal for coastal areas

### Guarantee

5 years

### Features & benefits

Colour switchable between 3 colour temperatures

IP65 rated, meaning it provides optimum protection against the impacts of rainwater and general adverse weather conditions

A unique 360° rotation for total flexibility, and a 180° tilt

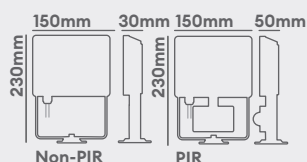
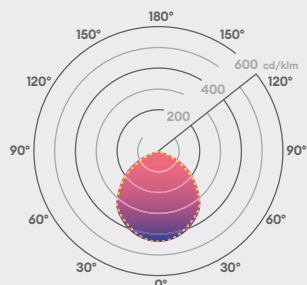
Supplied with 1m cable

Wide 120° beam angle, reducing the number of fittings per area required

Performs in even more extreme conditions from -40°C to +40°C

IP65 PIR option provides override function to leave permanently on or off

Beam angle: C0/C180 C90/C270



## FL03

30W colour switchable floodlight

### Features

IK rating	IK07
IP rating	IP65
CSP switchable	Switchable CCT
Tiltable	180°
Rotatable	360°
UGR	14
Dimmable	No
Input	220-240V AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5

### Installation information

Inrush current	30A 4μs
Construction material	Anthracite painted aluminium
Suitable for coastal areas	Yes
Weight	630g
Maximum ambient temperature	-40°C - 40°C
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

### Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	Beam angle	Im	lm/W	Energy
FL03APCS	PIR sensor	Anthracite grey RAL7016	30W	3000K	120°	3000	100	
				4000K	120°	3300	110	
				6500K	120°	3900	130	
FL03AXCS	Standard	Anthracite grey RAL7016	30W	3000K	120°	3000	100	
				4000K	120°	3300	110	
				6500K	120°	3900	130	
FL03BPCS	PIR sensor	Black	30W	3000K	120°	3000	100	
				4000K	120°	3300	110	
				6500K	120°	3900	130	
FL03BXCS	Standard	Black	30W	3000K	120°	3000	100	
				4000K	120°	3300	110	
				6500K	120°	3900	130	
FL03WPCS	PIR sensor	White RAL9016	30W	3000K	120°	3000	100	
				4000K	120°	3300	110	
				6500K	120°	3900	130	
FL03WXCS	Standard	White RAL9016	30W	3000K	120°	3000	100	
				4000K	120°	3300	110	
				6500K	120°	3900	130	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m H05RN-F rubberised cable 3x1.0mm <sup>2</sup> Ø7mm
Type of wiring required	Parallel

### Accessories

N/A (No Accessories required)



## FL05

50W colour switchable floodlight

### Features

IK rating	IK07
IP rating	IP65
CSP switchable	Switchable CCT
Tiltable	180°
Rotatable	360°
UGR	14
Dimmable	No
Input	220-240V AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM4

### Installation information

Inrush current	28A 13μs
Construction material	Anthracite painted cast aluminium
Suitable for coastal areas	Yes
Weight	1250g
Maximum ambient temperature	-40°C - 40°C
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

### Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	△°	lm	lm/W	Energy
FL05APCS	PIR sensor	Anthracite grey RAL7016	50W	3000K	120°	5000	100	
				4000K	120°	5600	112	
				6500K	120°	5100	102	
FL05AXCS	Standard	Anthracite grey RAL7016	50W	3000K	120°	5000	100	
				4000K	120°	5600	112	
				6500K	120°	5100	102	
FL05BPCS	PIR sensor	Black	50W	3000K	120°	5000	100	
				4000K	120°	5600	112	
				6500K	120°	5100	102	
FL05BXCS	Standard	Black	50W	3000K	120°	5000	100	
				4000K	120°	5600	112	
				6500K	120°	5100	102	
FL05WPCS	PIR sensor	White RAL9016	50W	3000K	120°	5000	100	
				4000K	120°	5600	112	
				6500K	120°	5100	102	
FL05WXCS	Standard	White RAL9016	50W	3000K	120°	5000	100	
				4000K	120°	5600	112	
				6500K	120°	5100	102	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1m H05RN-F rubberised cable 3x1.0mm <sup>2</sup> Ø7mm
Type of wiring required	Parallel

### Accessories

N/A (No Accessories required)
-------------------------------

## Residential Floodlights



High efficacy of up to 112lm/W



First fix bracket for quick & easy installation



Ideal for coastal areas

### Guarantee

5 years

### Features & benefits

Colour switchable between 3 colour temperatures

IP65 rated, meaning it provides optimum protection against the impacts of rainwater and general adverse weather conditions

A unique 360° rotation for total flexibility, and a 180° tilt

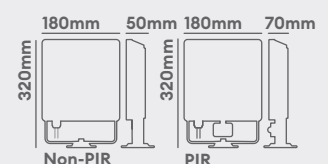
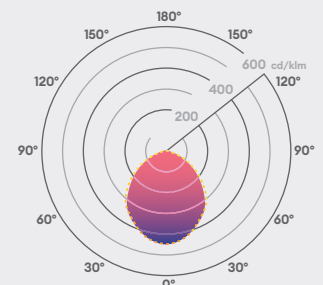
Supplied with 1m cable

Wide 120° beam angle, reducing the number of fittings per area required

Performs in even more extreme conditions from -40°C to +40°C

IP65 PIR option provides override function to leave permanently on or off

Beam angle: C0/C180 C90/C270



# Residential Floodlights



High efficacy of up to 118lm/W



First fix bracket for quick & easy installation



Ideal for coastal areas

## Guarantee

5 years

## Features & benefits

Colour switchable between 3 colour temperatures

IP65 rated, meaning it provides optimum protection against the impacts of rainwater and general adverse weather conditions

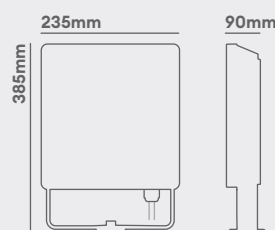
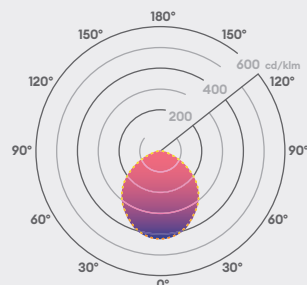
A unique 360° rotation for total flexibility, and a 180° tilt

Supplied with 1m cable

Wide 120° beam angle, reducing the number of fittings per area required

Performs in even more extreme conditions from -40°C to +40°C

Beam angle: C0/C180 C90/C270



## FL10

100W colour switchable floodlight

## Features

IK rating	IK07
IP rating	IP65
CSP switchable	Switchable CCT
Tilttable	180°
Rotatable	360°
UGR	14
Dimmable	No
Input	220-240V AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM4

## Installation information

Inrush current	75A 5μs
Construction material	Black painted cast aluminium
Suitable for coastal areas	Yes
Weight	2100g
Maximum ambient temperature	-40°C - 40°C
Electric class (1, 2, 3)	1
Earth leakage	0.3mA

## Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	△°	lm	lm/W	Energy
FL10BXCS	Standard	Black	100W	3000K	120°	10250	103	
				4000K	120°	11810	118	
				6500K	120°	10970	110	

Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	1m H05RN-F rubberised cable 3x1.0mm <sup>2</sup> Ø7mm
Type of wiring required	Parallel

## Accessories

N/A (No Accessories required)
-------------------------------





# Bollards







# Bespoke wooden bollards

Purpose built in Great Britain, for your installation

Adding style and flair to any design scheme, bollards can add depth and dimension to a landscape, creating safer, 24-hour spaces.

## Single LED bollard

Use the single LED bollard to add new lighting to existing pathways, gardens or shared spaces. The remote SELV power supply provides increased flexibility when fitting. Long distances of cable can be concealed within trunking. Bollards are often purposely positioned in a uniformed capacity to highlight a walkway; however, they can also be integrated into a landscape feature, maximising the overall design of the space.



For a pathway with consistent points highlighted:

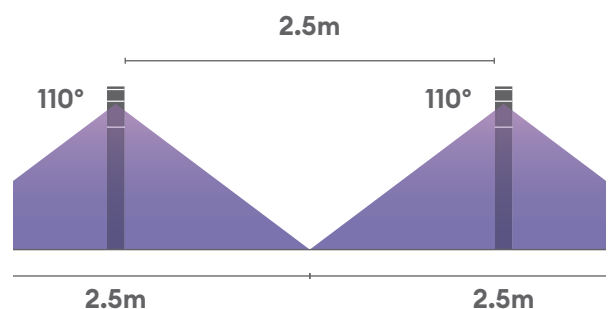


## Triple LED bollard

Using an integral power supply, this direct to mains bollard is ideal for replacing existing bollard lighting, which may be looking tired or in need of replacement. It is easy to retrofit using existing cables or as part of a new build, where cables can easily be installed with minimum impact. Using three LEDs instead of one and with a wider beam angle, these products are capable of being positioned at greater distances whilst still creating an even spread of light.



For a pathway consistently lit at 30 lux:



## Choice of material

Choose from three beautifully crafted woods to obtain the ideal aesthetic for your bollard.

Iroko



Oak



Sapele



## Choice of style

Choose from three unique styles to suit your installation.

Domed



Chamfered



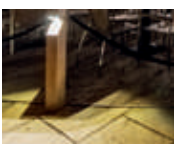
Pointed



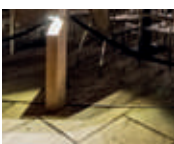
## Colour temperature

Choose between three available colour temperatures.

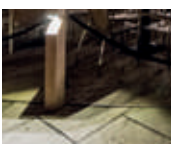
2700K



3000K



4000K



## Single lighting regulations

We are making the wooden bollards more serviceable. The change is a simple one with beneficial impact: there will be a removable back plate so that the control gear and light modules can be accessed and replaced if necessary. On bottom cable entry, the panel goes all the way to the floor, with three brass countersunk screws holding it in place, and the side entry models has the removable plate up to the cable entry.



# Choosing the ideal wooden bollard

## For your installation

Use the five easy steps below to ascertain the perfect bollard for your installation.

Do you need a bollard with single or triple LEDs?

### Single LED bollard

Beam angle : 30°



### Triple LED bollard

Beam angle : 110°



Which style head would you like?

### Domed



### Chamfered



### Pointed



Which type of wood do you prefer?

### Iroko



### Oak



### Sapele



Will the bollard be recessed or surface mounted?

### Recessed mount

Side cable entry is required for recess mounting.



### Surface mount

Base cable entry is required for surface mounting.



When surface mounting you will also need a bracket.

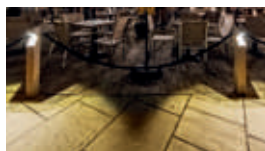


Product code:  
**BOL LED BRACKET**

Which colour temperature do you need?

### Warmest

For a warm cosy look use 2700K.



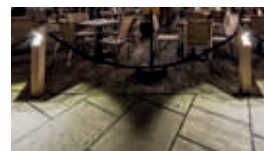
### Warmest

For a warm cosy look use 2700K.



### Warmest

For a warm cosy look use 2700K.



Now you've determined what you'll need, use the product code generator on the next page to obtain the correct product code.

# Choosing the ideal wooden bollard

## For your installation

Now that you know what attributes you want, use the matrix below to work out which product code you will need.

### Use the generator below to build your wooden bollards product code based on the attributes you have selected

The example shown is for a single LED with base cable entry, 2700K, iroko wood, domed head bollard, resulting in the partcode BL01DIB27. You can change each element to represent the bollard you need.

1	2	3	4	5	6
<b>B L</b>	<b>0 1</b>	<b>D</b>	<b>I</b>	<b>B</b>	<b>2 7</b>
	0 3	F	O	S	3 0
		P	S		4 0

1 Product type	2 Single / Triple LED	3 Style
<b>B L</b> Bollard	<b>0 1</b> Single LED <b>0 3</b> Triple LED	<b>D</b> Domed <b>F</b> Chamfered <b>P</b> Pointed
4 Material	5 Cable entry	6 Colour temperature
<b>I</b> Iroko wood <b>O</b> Oak wood <b>S</b> Sapele wood	<b>B</b> Base entry <b>S</b> Side entry	<b>2 7</b> 2700K <b>3 0</b> 3000K <b>4 0</b> 4000K







# Bollards

- 1W** 1W at 350mA or 700mA
- Coastal Protected**
- IP65** IP65 ideal for outdoor areas

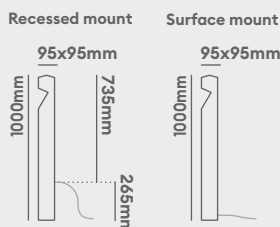
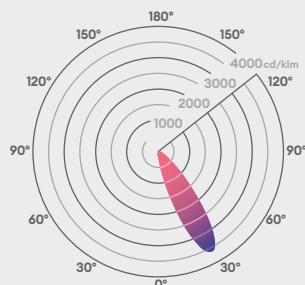
## Guarantee

7 Years

## Features & benefits

- Choice of wood finishes: Iroko, Sapele or Oak
- Pointed, Chamfered or Domed top
- Choice of low-voltage or straight-to-mains
- Side-entry cable or base-entry cable options
- Three colour temperature options: 2700K, 3000K or 4000K
- 7-year warranty

Beam angle: 26°



## BL01

Low voltage

## Features

IK rating	N/A
IP rating	IP65
CSP switchable	Single CCT
Input	350mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

## Installation information

Inrush current	N/A
Construction material	See page 256-257
Suitable for coastal areas	Yes (with appropriate treatment)
Weight	5800g
Maximum ambient temperature	35°C
<b>SELV</b>	
Electric class (1, 2, 3)	3
Earth leakage	N/A

## Photometrics @ 25°C

			350mA			700mA			Energy
Product code	CCT	∠°	W	lm	lm/W	W	lm	lm/W	
See page 266	2700K	26°	1W	70	70	2W	337	60	
	3000K	26°	1W	75	75	2W	379	68	
	4000K	26°	1W	95	95	2W	393	70	

Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	1.8m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

## Recommended LED drivers

See pages 310-311 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-14
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	4-9

## Accessories

BOL LED BRACKET	Stainless steel bracket for BOL LED range	Sold Separately	270
JB2 / JB4 / JB6	Waterproof junction box / Gel filled waterproof connectors	Sold Separately	322
WCR 275 BLACK	2-core rubber cable	Sold Separately	323





## BL03

Straight to mains

### Features

IK rating	N/A
IP rating	IP65
CSP switchable	Single CCT
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Inrush current	60A 0.037ms
Construction material	See page 256-257
Suitable for coastal areas	Yes (with appropriate treatment)
Weight	5500g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	2
Earth leakage	0.1mA

### Photometrics @ 25°C

Product code	W	CCT	∠°	lm	lm/W	Energy
See page 266	5W	2700K	110°	156	31	
	5W	3000K	110°	160	32	
	5W	4000K	110°	246	49	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	NEW 1.5mm SY 2 Core PVC Steel Braid Cable. 2M Length.
Type of wiring required	Parallel

### Accessories

BOL LED BRACKET	Stainless steel bracket for BOL LED range	Sold Separately	270
JB5	Gel filled junction box	Sold Separately	322

## Bollards



5W at 350mA or 700mA



Coastal Protected



IP65 ideal for outdoor areas

### Guarantee

7 Years

### Features & benefits

Choice of wood finishes: Iroko, Sapele or Oak

Pointed, Chamfered or Domed top

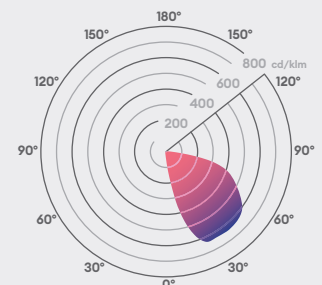
Choice of low-voltage or straight-to-mains

Side-entry cable or base-entry cable options

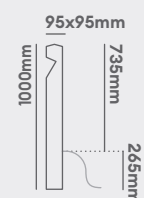
Three colour temperature options: 2700K, 3000K or 4000K

7 year warranty

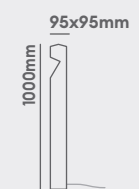
Beam angle: 110°



Recessed mount



Surface mount



# Bollard accessories


## Get a mounting bracket

When mounting your bollard onto a solid surface get a mounting bracket.


### Use a mounting bracket

BOL LED BRACKET

Accessory on its own



Accessory on product



### Product codes

Product Code	Description	Construction material	Guarantee
BOL LED BRACKET	Stainless steel bracket for wooden bollard range	Stainless steel (304)	1 year extended warranty

For full product specification visit [collingwoodlighting.com](http://collingwoodlighting.com)

### Compatible with

	<div>BLO1 Page 269</div>	<div>BLO3 Page 268</div>
BOL LED BRACKET	<div></div>	<div></div>

# Flexible bollards

## Wide choice to suit your application

Adding style and flair to any design scheme, bollards can add depth and dimension to a landscape, creating safer, 24-hour spaces.

### Head options

Two broad styles are available to suit the majority of applications. The head options produce divergent lit effects and should be selected with the end result in mind.

#### General illumination

Ideal for general illumination of an area. The broad spread of light means that it is suitable for illuminating and marking paths, walkways as well as general area lighting.

**BOL10**



**BOL20**



#### Low glare

The low glare design has minimal upwards spill-light beyond 90°, maximising the efficiency of the lit effect and increasing visual comfort.

**BOL30**



### Height options

Available in two heights, each of the bollards have a full-height and a half-height option, providing the perfect solution for any installation.

#### Half-height

A more discreet option whilst also having a greater intensity of light at ground level.



#### Full-height

A more prominent option that is tall enough to provide light over obstacles such as shrubbery.



### Root mount

The root mounting kit is ideal for when a bollard is mounted into concrete. They simply attach to the bottom and anchor the bollard into place.



### Colour switchable (Slim CSP)

#### CCT switchable: one light, three CCT temperatures

Our range of colour switchable bulkheads allows you to stock 3 colour temperatures in 1 product (2700K, 3000K & 4000K).

#### Advantages

- Simpler product range.
- Products can be adjusted after they are installed.

### Choice of finish

Choose the ideal colour for your installations aesthetic.

Slim CSP is available in 3 colour finishes, black, anthracite and corten.



**Black**



**Anthracite**



**Corten**

# Flexible bollards

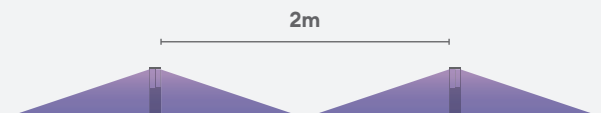
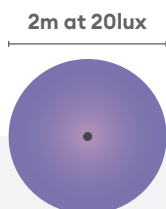
## Bollard light distribution

The three bollard families have a different distribution of light according to their different styles, and is also affected by the bollard height. See below for a handy overview of the spacing between the bollards in order to achieve a consistent light level of 20lux, perfect for a typical pathway.

### BOL100

Midi 350mm high bollard with 360° illumination

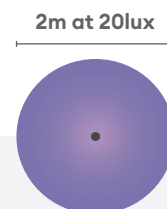
For a pathway consistently lit at 20 lux:



### BOL101

Midi 650mm high bollard with 360° illumination

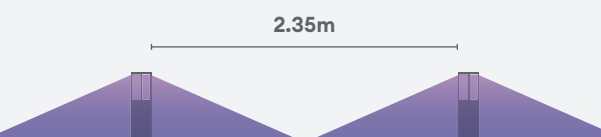
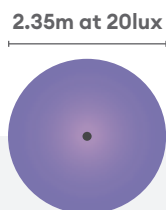
For a pathway consistently lit at 20 lux:



### BOL200

Midi 500mm high bollard with 360° illumination

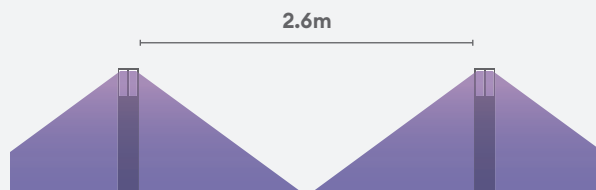
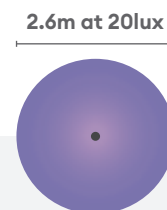
For a pathway consistently lit at 20 lux:



### BOL201

Midi 900mm high bollard with 360° illumination

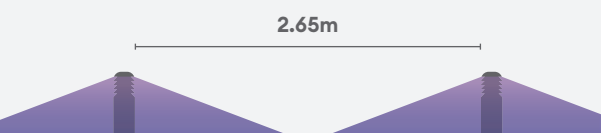
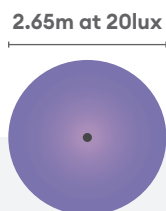
For a pathway consistently lit at 20 lux:



### BOL200

Midi 500mm high bollard with 360° illumination

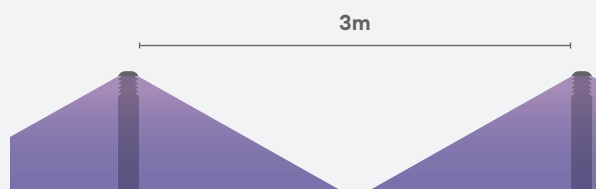
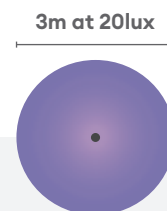
For a pathway consistently lit at 20 lux:



### BOL201

Midi 900mm high bollard with 360° illumination

For a pathway consistently lit at 20 lux:







# BOL100 Midi Post Light

Straight to mains IP54, 610lm post light

## Features

IK rating	IK04
IP rating	IP54
CSP switchable	Single CCT
Input	220-240V AC
LED lifetime	L70 30,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM4

## Installation information

Inrush current	20A
Construction material	Aluminium / PVC
Suitable for coastal areas	No
Weight	BOL100: 1.2kg BOL101: 1.5Kg
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

## Photometrics @ 25°C

Product code	Finish	Height	W	CCT	∠°	lm	lm/W	Energy
BOL100X30	Black RAL9011	350mm	11W	3000K	360°	610	55	
BOL101X30	Black RAL9011	650mm	11W	3000K	360°	610	55	

Energy rating is a reflection of the LED light source.

## Wiring information

Cable required for connector	3x 1.0mm <sup>2</sup>
Type of wiring required	Parallel

## Accessories

JB5	Waterproof junction box / Gel filled waterproof connectors	Sold Separately	322
-----	--	-----------------	-----

## Bollards



11W



IP54 ideal for walk ways and step lighting



Benefiting from light all round with a 360° beam angle

## Guarantee

5 years

## Features & benefits

Straight to mains screw terminals

Ideal for residential landscape projects, such as lighting low level shrubs

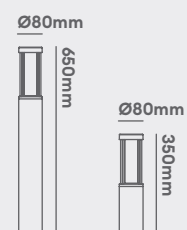
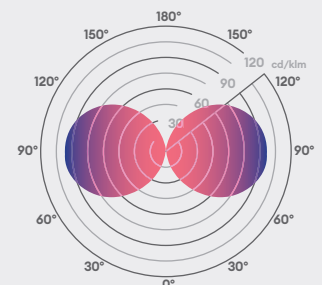
Ideal to light up car parking spaces and driveways

High lumen output of 610lm

Great for soft illumination onto stone paths

Black RAL 9011

Beam angle: 360°



# Bollards

**23W** 23W

**IP65** IP65 ideal for car parks and walk ways

**360°** Benefiting from light all round with a 360° beam angle

## Guarantee

5 years

## Features & benefits

Straight to mains screw terminals

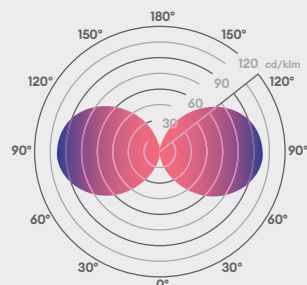
Frosted window effect at the top

Low glare illumination, ideal for pathways, boundary marking, or general illumination of exterior spaces

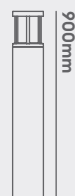
High lumen output of 930lm

Black RAL 9011

Beam angle: **360°**



Ø145mm



## BOL200 Midi Bollard

Straight to mains, IP65, 930lm bollard

## Features

IK rating	IK04
IP rating	IP65
CSP switchable	Single CCT
Input	220-240V AC
LED lifetime	L70 30,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM4

## Installation information

Inrush current	20A 0.5ms
Construction material	Aluminium / PVC
Suitable for coastal areas	No
Weight	BOL200: 2.6Kg BOL201: 4.4Kg
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.2mA

## Photometrics @ 25°C

Product code	Finish	Height	W	CCT	Beam angle	lm	lm/W	Energy
BOL200X30	Black RAL9011	500mm	23W	3000K	360°	930	40	
BOL201X30	Black RAL9011	900mm	23W	3000K	360°	930	40	

Energy rating is a reflection of the LED light source.

## Wiring information

Cable required for connector	3x 1.0mm <sup>2</sup>
Type of wiring required	Parallel

## Accessories

JB5	Waterproof junction box / Gel filled waterproof connectors	Sold Separately	<b>322</b>
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# BOL300 Midi Bollard

Straight to mains, IP65, 500lm bollard

## Features

IK rating	IK08
IP rating	IP65
CSP switchable	Single CCT
Input	220-240V AC
LED lifetime	L70 30,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM4

## Installation information

Inrush current	20A 0.5ms
Construction material	Aluminium / PVC
Suitable for coastal areas	No
Weight	BOL300: 2.9Kg BOL301: 4.6Kg
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.2mA

## Photometrics @ 25°C

Product code	Finish	Height	W	CCT	Beam angle	lm	lm/W	Energy
BOL300X30	Black RAL9011	500mm	23W	3000K	360°	500	22	
BOL301X30	Black RAL9011	900mm	23W	3000K	360°	500	22	

Energy rating is a reflection of the LED light source.

## Wiring information

Cable required for connector	3x 1.0mm <sup>2</sup>
Type of wiring required	Parallel

## Accessories

JB5	Waterproof junction box / Gel filled waterproof connectors	Sold Separately	322
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## Bollards

23W

23W

IP65

IP65 ideal for car parks and walk ways

360°

Benefiting from light all round with a 360° beam angle

## Guarantee

5 years

## Features & benefits

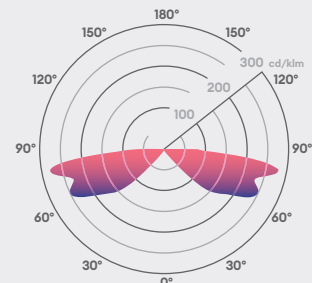
Straight to mains screw terminals

Domed top for a low glare finish, and a minimum up spill of light making it comfortable on the eye

IK08 rated

Black RAL 9011

Beam angle: 360°



Ø150mm



Ø150mm



# Bollards



Switchable  
between 2700K,  
3000K and 4000K



360° even light  
distribution



IP65 ideal for car  
parks and walk  
ways

## Guarantee

5 year warranty

## Features & benefits

Choice of colours Black, Anthracite  
and Corten

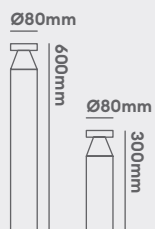
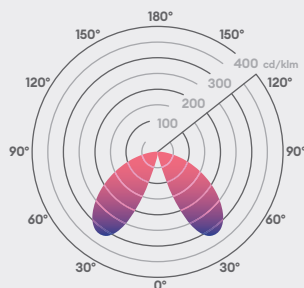
Available in 300mm and 600mm  
sizes

Cable entry through base and  
expansion bolt installation kit  
included

IP68 inline connector included

Anthracite RAL 7016, Black RAL  
9005

Beam angle: 120°



## Slim CSP Bollard

CCT Switchable IP65 Bollard

### Features

IK rating	IK08
IP rating	IP65
CSP switchable	Switchable CCT
Input	220-240V AC
LED lifetime	L80 100,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6

### Installation information

Inrush current	10A 0.4ms
Construction material	Aluminum
Suitable for coastal areas	Yes
Weight	BLS__3RDCS: 1060g BLS__6RDCS: 1380g
Maximum ambient temperature	-15°C - 30°C
SELV	No
Electric class (1, 2, 3)	1
Earth leakage	0.032mA

### Photometrics @ 25°C

Product code	Height	Finish	W	Colour	Beam angle	Im	lm/W	Energy
BLSAG3RDCS	300mm	Anthracite	14W	2700K	120°	720	56	
				3000K	120°	770	62	
				4000K	120°	800	58	
BLSAG6RDCS	600mm	Anthracite	14W	2700K	120°	720	56	
				3000K	120°	770	62	
				4000K	120°	800	58	
BLSBK3RDCS	300mm	Black	14W	2700K	120°	630	50	
				3000K	120°	660	53	
				4000K	120°	680	50	
BLSBK6RDCS	600mm	Black	14W	2700K	120°	630	50	
				3000K	120°	660	53	
				4000K	120°	680	50	
BLSCN3RDCS	300mm	Corten	14W	2700K	120°	760	57	
				3000K	120°	735	60	
				4000K	120°	675	55	
BLSCN6RDCS	600mm	Corten	14W	2700K	120°	760	57	
				3000K	120°	735	60	
				4000K	120°	675	55	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	H05RN-F 3G 1.0mm <sup>2</sup>
Cable required for connector	3x 0.75 - 2.5mm <sup>2</sup>
Type of wiring required	Parallel

### Accessories

SBEBX4	Root mount Kit, J-Bolts X4	Sold Separately
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# LUXI 650

Straight to mains bollard

## Features

IK rating	IK06
IP rating	IP54
CSP switchable	Single CCT
Input	220-240V AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6

## Installation information

Inrush current	N/A
Construction material	Cast Aluminium
Suitable for coastal areas	No
Weight	2.000
Maximum ambient temperature	-20°C - 40°C
SELV	No
Electric class (1, 2, 3)	1

## Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	lm	lm/W	Energy
OUI3824	Anthracite grey RAL7016	7W	3000K	30°	660	68	

Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	cable diameter for connection 12mm
Type of wiring required	Parallel

## Accessories

N/A (No Accessories required)
-------------------------------

## Bollards



7W



IP54 ideal for walk ways and step lighting



CRI 80 providing true colour appearance

## Guarantee

3 years

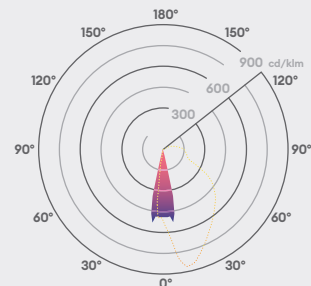
## Features & benefits

IK06 for robust impact protection

Great for soft illumination onto stone paths

Anthracite RAL 7016

Beam angle: 30°



Ø90mm









# LUXI 54

Rectangular terminal bollard

## Features

IK rating	IK08
IP rating	IP54
CSP switchable	Single CCT
Input	220-240V AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6

## Installation information

Inrush current	N/A
Construction material	Aluminium
Suitable for coastal areas	No
Weight	2.130
Maximum ambient temperature	-20°C - 40°C
SELV	No
Electric class (1, 2, 3)	1

## Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	lm	lm/W	Energy
OU13624	Anthracite grey RAL7016	7W	3000K	90°	750	75	

Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	cable diameter for connection 12mm
Type of wiring required	Parallel

## Accessories

N/A (No Accessories required)
-------------------------------

## Bollards



7W



IP54 ideal for walk ways and step lighting



CRI 80 providing true colour appearance

## Guarantee

3 years

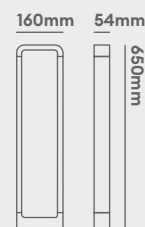
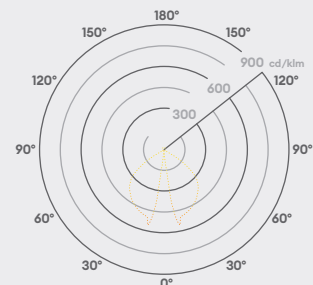
## Features & benefits

IK08 for robust impact protection

Great for soft illumination onto stone paths

Anthracite RAL 7016

Beam angle: 90°



# Uplights





# Uplights

## To create exceptionally lit environments

In architecture, the façade of a building is the first place a visitor will see, and sets the tone for the rest of the building. Captivate passers-by with a mesmerising wash of light over any beautiful structure.

### Choosing the right beam angle

Our uplighting range is ideal for creating an array of effects; whether you are adding grandeur to buildings, highlighting intricate architectural features or drawing guests to an entrance, we have a solution for many applications.

#### 60° beam

This wide beam is perfect for creating a wash of light on flat surfaces or to illuminate surfaces from further away.



#### 30° beam

Some architectural features require mid-level lighting and the 30° beam is perfect for this, allowing a swathe of light to be cast across a dedicated area.



#### 25x35° beam

Choose the asymmetric 25x35° beam for a more directed beam of light, perfect for walls and entrances.



### Choosing the ideal size and output

Diagrams shown are Mains





## Quick and easy installation

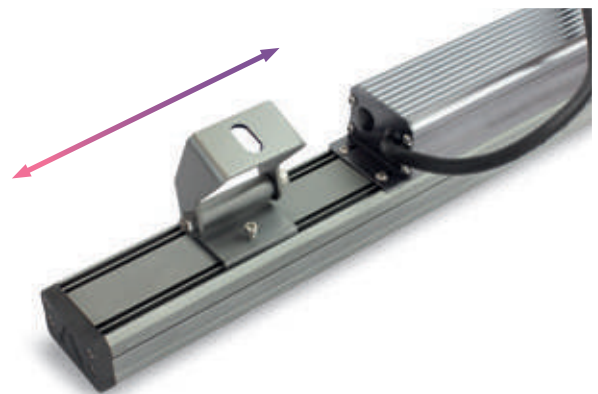
### Flexible installation

The maximum distance between products using fly leads is 330mm. if you require further space between products, Volta is supplied with two additional connectors, male and female to allow flexibility to increase distance between fittings at installation. additional cables not supplied.



### Adjustable brackets

Fully flexible first-fix bracket. Slides at each end of the product and can be attached anywhere.



## IP65

### Built for the toughest of environments

High water and dust resistance. Durable and versatile, the Volta uplights are IP65 rated and are suitable for outdoors.



## 7 year warranty

Offering a seven-year warranty, so you can be assured of our commitment to quality.



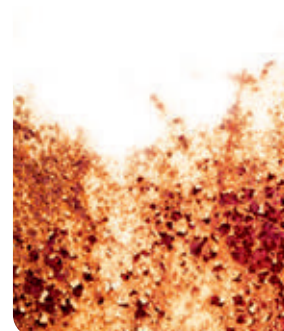
## Coastal protection

### Rust & salt mist protection

With corrosion resistant protection and coastal protective paint, our floodlights are perfect for use in coastal areas.

#### Advantages

- Feel confident you can install these uplights anywhere.
- Can be installed into coastal areas without any worry of products failing.



# Uplights

21W

21W

IP65

IP65 ideal for outdoor environments



Suitable for use in coastal applications

## Guarantee

7 years

## Features & benefits

Plug and play through-wire install method

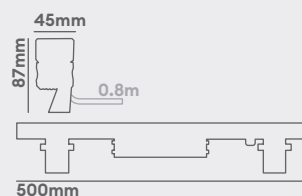
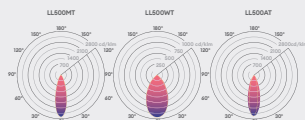
Supplied with waterproof connectors for fast install

3000K and 2700K range with choice of 2000 or 4200 lumen output

Narrow beam 30°, Wide beam 60° or Asymmetrical 20x35°

Also available in 1000mm

Beam angle: 30°, 60°, 20x35°



## Volta 500mm

Wall washing light bar

### Features

IK rating	IK04
IP rating	IP65
CSP switchable	Single CCT
Tilttable	180°
Dimmable	Yes (Mains)
Input	220-240V AC
LED lifetime	L70 50,000h
CRI	CRI>80
SDCM	SDCM3

### Installation information

Inrush current	0.56A 18.8ms
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	1.4kg
Maximum ambient temperature	50°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

### Photometrics @ 25°C

Product code	Finish	W	CCT	Beam angle	lm	lm/W	Energy
LL500AT27	Silver	21W	2700K	20x35°	2000	95	A E
LL500AT30	Silver	21W	3000K	20x35°	2000	95	A E
LL500MT27	Silver	21W	2700K	30°	2000	95	A E
LL500MT30	Silver	21W	3000K	30°	2000	95	A E
LL500WT27	Silver	21W	2700K	60°	2000	95	A E
LL500WT30	Silver	21W	3000K	60°	2000	95	A E

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	0.8m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

### Accessories

N/A (No Accessories required)
-------------------------------





# Volta 1000mm

Wall washing light bar

## Features

IK rating	IK04
IP rating	IP65
CSP switchable	Single CCT
Tilttable	180°
Dimmable	Yes (Mains)
Input	220-240V AC
LED lifetime	L70 50,000h
CRI	CRI>80
SDCM	SDCM3

## Installation information

Inrush current	15A $\leq 10\mu s$
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	2.5kg
Maximum ambient temperature	50°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

## Photometrics @ 25°C

Product code	Finish	W	CCT	$\angle^\circ$	lm	lm/W	Energy
LL1000AT27	Silver	40W	2700K	20x35°	4200	105	
LL1000AT30	Silver	40W	3000K	20x35°	4200	105	
LL1000MT27	Silver	40W	2700K	30°	4200	105	
LL1000MT30	Silver	40W	3000K	30°	4200	105	
LL1000WT27	Silver	40W	2700K	60°	4200	105	
LL1000WT30	Silver	40W	3000K	60°	4200	105	

Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	0.8m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

## Accessories

N/A (No Accessories required)
-------------------------------

## Uplights

**40W** 40W

**IP65** IP65 ideal for outdoor environments

Suitable for use in coastal applications

## Guarantee

7 years

## Features & benefits

Plug and play through-wire install method

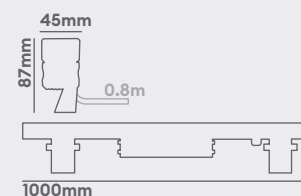
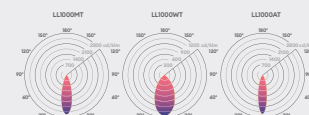
Supplied with waterproof connectors for fast install

3000K and 2700K range with choice of 2000 or 4200 lumen output

Narrow beam 30°, Wide beam 60° or Asymmetrical 20x35°

Also available in 500mm

Beam angle: 30°, 60°, 20x35°



# Colour Change



# 3 Simple steps

## Remote to product

Follow the guide below to set up your colour change installation.

### Products

What products do you want?

You will need cable to connect your products to your drivers

### Drivers

You will need at least one driver per zone, dependant on how many products you would like to install within that zone.

Are you using an RF remote, DMX or DALI control system?

What wattage driver do you need to power your products?



If you want to colour cycle across multiple zones we recommend using power repeaters or for larger projects use DMX drivers.

### Remotes

How many zones / rooms do you need?

Which remote covers the number of zones you need?

Is a DMX control system already in place or do you need more than 8 zones? (Use a DMX control system in this case)



It is not advised to put RGB & RGBW products in the same zone, as the colours will not always match.

## 1 Choose your product

### Constant current products



### Constant voltage product





## 2 Choose control method and driver

### Constant current 75W drivers



75W RF, DMX  
and DALI drivers  
See page 292

### Constant voltage 24V 100W drivers



100W RF, DMX  
and DALI drivers  
See page 292

### Constant Voltage 24V 200W drivers



200W RF, DMX  
and DALI drivers  
See page 292

## 3 Choose your controller (RF only)



Wall mounted

**CCWALLRFW / CCWALLRFB**

Zones 1 - 4

Page 290



Hand held

**CCREMOTEB**

Zones 1 - 4

Page 290



Phone App

**CollingwoodRGBW App**

Zones 1 - 8

Page 291



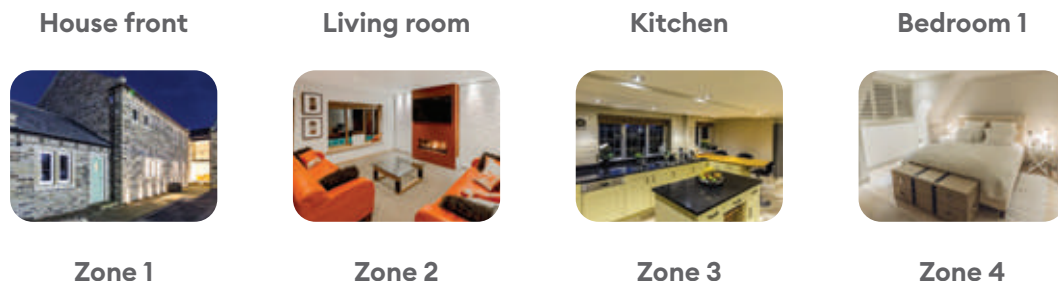
**CCRFCNVWIFI**

Page 291

# Zones

## Remotes

A zone can cover any space you choose. They are often assigned to rooms so that you can have different colour settings for each room and be able to adjust them completely independently from one another using your remote control. For example...



Remember you can assign any room to any zone number

Once you have decided how many zones you require, you will need to select a remote that is capable of covering that number of zones. You are able to use multiple remotes as long as they are all capable of covering the number of zones you have.

**Wall mounted remote control - CCWALLRFW / CCWALLRFB - 1-4 zones**

**Hand held remote control - CCREMOTEB - 1-4 zones**

**CollingwoodRGBW app - with CCRFCONVWIFI - 1-8 zones**

Zone 1 / 1 Room

Zone 2 / 2 Rooms

Zone 3 / 3 Rooms

Zone 4 / 4 Rooms

### CCWALLRFW / CCWALLRFB

Wall mounted RGBW remote control

Controlling Collingwood Lighting's RGB & RGBW ranges could not be easier with this wall mounted remote control. Using radio frequency (RF) removes the need to connect a signal cable to the controller for a cleaner and quicker installation. By simply touching the screen, select solid colours or start a cycle to change the atmosphere. Colours can also be dimmed by holding down the colour button. Select up to 4 zones to give individuality to each room.

**Note:** The CCWALLRF requires 240V AC supply.



### CCREMOTEB

Handheld remote control

Controlling RGB & RGBW lights could not be easier with this remote control. Using RF removes the need to connect a signal cable to the controller for a cleaner and quicker installation. Select solid colours or start a colour changing cycle to create the perfect atmosphere. Colours can also be dimmed by holding down the colour button. From just one remote control you can select up to 4 different rooms and change the colours individually to suit. A maximum of 8 remote controls can be used and programmed to store your favourite colours.

**Note:** Requires 3 x AAA batteries (not included)



Bedroom 2



Zone 5

Garden



Zone 6

Dining room



Zone 7

Stairs / Hallway



Zone 8

If you require more than 8 zones you will need to use a DMX control system

Zone 5 / 5 Rooms

Zone 6 / 6 Rooms

Zone 7 / 7 Rooms

Zone 8 / 8 Rooms

## CollingwoodRGBW App

iPhone, iPad & Android app for wireless control

Control RGB & RGBW products with a smart device for up to 8 zones. By simply touching the screen, select solid colours, start a cycle or control lights via a sound to light option. The app can be downloaded for free on Android and iOS.

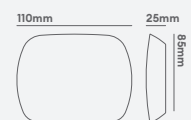
**Note:** Use in conjunction with CCRFCNVWIFI



## CCRFCNVWIFI

WiFi to RF converter












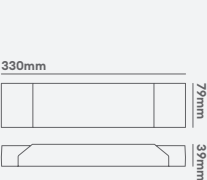
Controlling RGB & RGBW products with a phone, computer or tablet could not be easier with the CCRFCNVWIFI. Simply add this unit into your Collingwood Lighting colour change installation and select millions of colours in comfort. Using the CollingwoodRGBW app simply connect directly to the CCRFCNVWIFI or via your own WiFi.



# Drivers

## Which one and what power supply?

Choose the driver that is required for your installation.

	RF drivers	DMX drivers	DALI drivers	
Which driver type do you need?	RF drivers allow wireless control from a hand-held remote controller, a wall mounted touch panel or a phone app via the Wi-Fi converter. A driver can be paired with up to 8 individual remotes and each remote can control multiple drivers in up to 8 zones.	DMX allows for wired control of up to 128 different zones, and multiple drivers can be assigned to each zone to keep the lights perfectly in sync. These drivers also support RDM for more advanced control and management with RDM-enabled controllers.	Use a DALI driver for integration with an existing DALI control system. These drivers allow for up to 16 RGBW zones or up to 64 single-colour zones on a standard DALI system.	
75W Driver for all RGBW products excluding LED Strip	 CCDRV75RF	 CCDRV75DMX	 CCDRV75DALI	
100W Driver For LED Strip only	 CCDRV100RF	 CCDRV100DMX	 CCDRV100DALI	
200W Driver For LED Strip only	 CCDRV200RF	 CCDRV200DMX	 CCDRV200DALI	



If you want to colour cycle across multiple zones we recommend using power repeaters or for larger projects use DMX drivers.

## Constant current switchable mA drivers

All our 75W constant current drivers are mA switchable, giving you 16 options to choose from, 250mA - 1500mA



Drive current mA switches



## Calculate how many drivers you need for the products you have

Must have at least one driver per zone. Can have multiple drivers per zone to get more products within the zone.

### 75W Constant current drivers

Product code	Product family	Max products per 75W driver	Drive current mA setting
GL016RGBW	Ground Light	13	350mA
GL090RGBW	Ground Light	4	350mA
GLTXS119RGBW	Ground Light	4	300mA
GLTXS147RGBW	Ground Light	2	300mA
GLTXS165RGBW	Ground Light	1	300mA
GLTXS193RGBW	Ground Light	3	900mA
GLTXS223RGBW	Ground Light	1	600mA
FOUX167RGBW	Ground Light	1	600mA
UL010RGBW	Pond Light	13	350mA
UL030RGBW	Pond Light	4	350mA
WL070RGBW	Wall Light	1	350mA

### 100W Constant voltage drivers

Product code	Product family	Max metre length per 100W driver
LSR05	RGBW Strip	6m

### 200W Constant voltage drivers

Product code	Product family	Max metre length per 200W driver
LSR05	RGBW Strip	13m

## Cable run guidance, from controller to products

### 350mA RGBW products

From power repeater to 350mA product when using **0.5mm cable**, the maximum distance cable run is **50m**

From power repeater to 350mA product when using **0.75mm cable**, the maximum distance cable run is **75m**

From power repeater to 350mA product when using **1.0mm cable**, the maximum distance cable run is **100m**

From power repeater to 350mA product when using **1.5mm cable**, the maximum distance cable run is **150m**

### 24V RGBW strip

From controller to strip when using **0.75mm cable**, the maximum distance cable run is **20m**

From controller to strip when using **1.5mm cable**, the maximum distance cable run is **40m**

# Power repeaters

## Which one and how many?

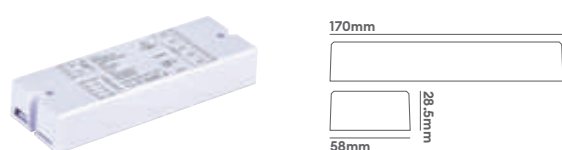
Only required  
for RF colour  
cycling

If you are using RF control and you need several different circuits to colour cycle together, you can use power repeaters to extend the output of the driver.

### For all constant current products use the PR3011

#### PR3011 - 350mA RGB & RGBW Power repeater

A 350mA power supply for the RGB & RGBW product range. Simply wire up to 100 PR3011 to a driver for a quick and simple colour change installation, giving you the ability to have as many as 600 luminaires per zone.



### Calculate how many PR3011's you need for the products you have

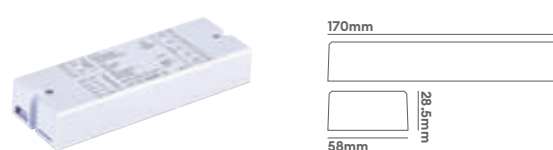
**NOTE:** Tilt and Fountain lights are not suitable with PR3011

Product code	Product family	Max. per PR3011
GL016RGBW	Ground Light	6
GL090RGBW	Ground Light	2
UL010RGBW	Pond Light	6
UL030RGBW	Pond Light	2
WL070RGBW	Wall Light	1

### For all constant voltage products use the PR3002

#### PR3002 - 24V RGB & RGBW Power repeater

A 24V power supply for the strip product range. Simply wire up to 100 to a driver for a quick and simple colour change installation, giving you the ability to have as many as 1000 metres of LED strip per zone.



### Calculate how many PR3002's you need for the products you have

**LSR05 (RGBW strip) - Bespoke lengths available**

Length of strip per power repeater	Wattage driver needed	Product (driver)
Up to 2m per PR3002	60W	LSD6024
Up to 5m per PR3002	120W	LSD12024
Up to 10m per PR3002	150W	PSIP15024

**!** For all strip, you can put up to 5m on one circuit per PR3002, but for 5-10m you will need to put the strip on two circuits per PR3002 (see product instructions).

**!** Don't forget you'll need 300mm of CF505RGBW cable for every power repeater you use.

### Don't forget your 24V driver to power your power repeater

Number of power repeaters	Wattage driver needed	Product (driver)
1	60W	LSD6024
2-3	120W	LSD12024
4-5	150W	PSIP15024

The products will be powered by power repeaters that require a 24V driver. The table shows you which driver you need for the number of power repeaters you are using. **If you require more than 5 power repeaters you will need another driver.**

In the example we calculated that we need 3 x PR3011. Using the table to the left we can see that we need a 100W driver. This means that you will need to order the following...



# Wiring

## For your colour change products

You may need additional cables to connect your colour change products.

### CR575RGBW

5-core PVC cable

Product code	CR575RGBW
Construction material	Copper cable
Cable	PVC 5 x 0.75mm <sup>2</sup>
Guarantee	1 year extended warranty

#### Use in conjunction with:

All RGBW products	
JB7	322



### CF505RGBW

5-core RGBW ribbon cable

Product code	CF505RGBW
Construction material	Copper cable
Cable	(AWG 24) (5 x 0.25mm <sup>2</sup> )
Guarantee	1 year extended warranty

#### Use in conjunction with:

PR3011	294
PR3002	294



### LEDRGBWEXT

Colour change extension lead for RGBW products

Product code	LEDRGBWEXT
Construction material	Copper cable (PVC)
Cable	1m (AWG 24) (5 x 0.25mm <sup>2</sup> )
Series	Series (Plug & Play)
Guarantee	1 year extended warranty

#### Use in conjunction with:

WL070RGBW	304
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## Colour Change



RGBW



Coastal protected



IK08 suitable for pathways

### Guarantee

5 years

### Features & benefits

Installation tube available

Low profile for easy installation

Separate white LED for permanent use

Compatible with a large range of controllers

Marine grade stainless steel for use in outdoor and indoor environments



## GL016RGBW

LED colour change ground light (5W max.)

### Features

IK rating	IK09
IP rating	IP67
RGB / RGBW	RGBW
Walk over / Drive over	Walk over (Stainless Steel Only)
Input	350mA
LED lifetime	L50 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	50
Bathroom zone	1
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	300g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Finish	W	CCT	Beam angle	lm	lm/W	Energy
GL016RGBW	Stainless steel	1.2W	White (4000K)	40°	50	42	A
		1W	Red	40°	38	38	
		1.2W	Green	40°	63	53	
		1.2W	Blue	40°	11	9	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	2x 1m CR575RGBW (outside diameter: 7.4mm)
Type of wiring required	Series

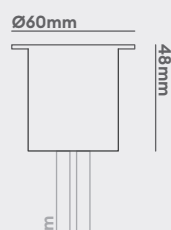
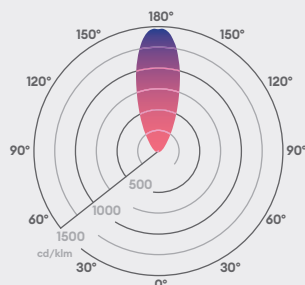
### Control & LED drivers

See pages 290-293 for complete control and LED driver offer

### Accessories

JB7	5-pole IP68 inline connector	Sold Separately	322
CR575RGBW	5-core PVC cable	Sold Separately	295
TUBE/50	Installation tube	Sold Separately	202
CCRFCONVWIFI / CCREMOTEB / CCWALLRF(B/W)	4/8 zone RF control for RGB & RGBW system	Sold Separately	290

Beam angle: 40°







## GL090RGBW

High output LED colour change ground light (12W max.)

### Features

IK rating	IK08
IP rating	IP67
RGB / RGBW	RGBW
Walk over / Drive over	Walk over (Stainless Steel Only)
Input	350mA
LED lifetime	L50 50,000h
Colour rendering Index	CRI>80

### Installation information

Cut out size (mm)	70
Bathroom zone	1
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	900g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	lm	lm/W	Energy
GL090RGBW	Stainless steel	3W	White (4000K)	45°	177	59	
		2W	Red	45°	106	53	
		3W	Green	45°	185	62	
		3W	Blue	45°	43	14	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	2x 1m CR575RGBW (outside diameter: 7.4mm)
Type of wiring required	Series

### Control & LED drivers

See pages 290-293 for complete control and LED driver offer

### Accessories

JB7	5-pole IP68 inline connector	Sold Separately	322
CR575RGBW	5-core PVC cable	Sold Separately	295
TUBE/68	Installation tube	Sold Separately	202
CCRCONVWIFI / CCREMOTEB / CCWALLRF(B/W)	4/8 zone RF control for RGB & RGBW system	Sold Separately	290

## Colour Change



RGBW



Coastal protected



IK08 suitable for pathways

### Guarantee

5 years

### Features & benefits

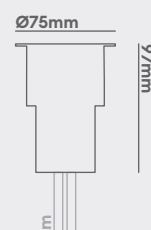
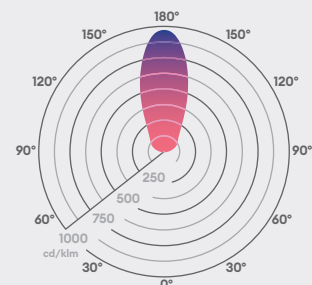
High output colour change for large areas

Marine grade stainless steel for use in outdoor and indoor environments

Separate white LED for permanent use

Compatible with a large range of controllers

### Beam angle: 45°











# Fountain RGBW

Water feature light

## Features

IK rating	IK08
IP rating	IP68
RGB / RGBW	RGBW
Walk over / Drive over	Walk over (Stainless Steel Only)
Input	600mA
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

## Installation information

Cut out size (mm)	167
Bathroom zone	0, 1 (with dimming)
Construction material	316 Stainless Steel
Suitable for coastal areas	Yes
Weight	2.58kg
Maximum ambient temperature	-25°C - 40°C
SELV	Yes
Electric class (1, 2, 3)	3

## Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	lm	lm/W	Energy
FOUX167RGBW	Stainless steel 316	13W	White (3000K)	35°	350	40	
		10W	Red	35°	500	40	
		13W	Green	35°	200	15	
		13W	Blue	35°	500	35	

Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	Pre-wired 5.0M H05RN-F, 2x1.0mm <sup>2</sup>
Type of wiring required	Series

## Control & LED drivers

See pages 290-293 for complete control and LED driver offer

## Accessories

JB7	5 pole screw terminal IP68 connector	Sold Separately	322
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## Colour Change



RGBW



IP68 suitable for full submersion into water



Suitable for coastal C5 and high acid and alkali environment

## Guarantee

5 years

## Features & benefits

316 Stainless steel housing and titanium cover provides outstanding corrosion resistance

Clear but strong 8mm tempered glass cover provides high efficiency and clear colour accuracy

TRIAC mains dimmable as standard with RGBW option

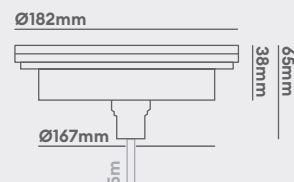
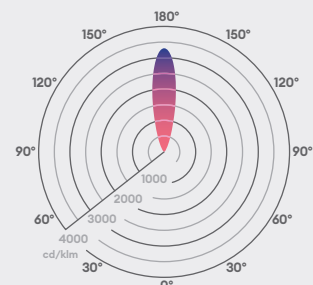
Pre-wired with 5 metres of cable to aid the installer

To be installed under water to prevent over-heating

1 1/2" BSP thread enables installation onto fabricated pipework

24V version available

Beam angle: 35°



## Colour Change



RGBW



Coastal protected



IP67 ideal for outdoor areas and under water lighting

### Guarantee

5 years

### Features & benefits

Complete with wall fixings for easy installation

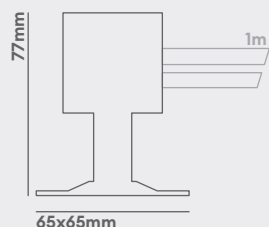
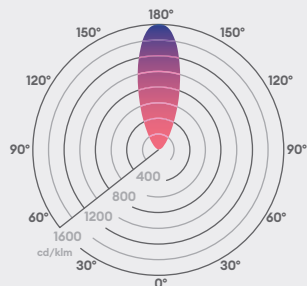
Can rotate and be angled to direct light

Separate white LED for permanent use

Compatible with a large range of controllers

Marine grade stainless steel for use in outdoor and indoor environments

Beam angle: 40°



## UL010RGBW

Colour change LED light (5W max.)

### Features

IP rating	IP67
RGB / RGBW	RGBW
Tilttable	360°
Rotatable	360°
Dimmable	Driver dependent
Input	350mA
LED lifetime	L50 50,000h
Colour rendering Index	CRI>80

### Installation information

Bathroom zone	1
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	700g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	lm	lm/W	Energy
UL010RGBW	Silver	1.1W	White (4000K)	40°	50	45	
		1W	Red	40°	38	38	
		1.1W	Green	40°	63	57	
		1.1W	Blue	40°	11	8	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	2x 1m CR575RGBW (outside diameter: 7.4mm)
Type of wiring required	Series

### Control & LED drivers

See pages 290-293 for complete control and LED driver offer

### Accessories

JB7	5-pole IP68 inline connector	Sold Separately	322
CR575RGBW	5-core PVC cable	Sold Separately	295
CCRFCONVWIFI / CCREMOTEB / CCWALLRF(B/W)	4/8 zone RF control for RGB & RGBW system	Sold Separately	290





# UL030RGBW

Colour change LED light (12W max.)

## Features

IP rating	IP67
RGB / RGBW	RGBW
Tilttable	360°
Rotatable	360°
Dimmable	Driver dependent
Input	350mA
LED lifetime	L50 50,000h
Colour rendering Index	CRI>80

## Installation information

Bathroom zone	1
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	900g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

## Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	lm	lm/W	Energy
UL030RGBW	Silver	3W	White (4000K)	45°	177	59	
		2W	Red	45°	106	53	
		3W	Green	45°	185	62	
		3W	Blue	45°	43	14	

Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	2x 1m CR575RGBW (outside diameter: 7.4mm)
Type of wiring required	Series

## Control & LED drivers

See pages 290-293 for complete control and LED driver offer

## Accessories

JB7	5-pole IP68 inline connector	Sold Separately	322
CR575RGBW	5-core PVC cable	Sold Separately	295
CCRCONVWIFI / CCREMOTEB / CCWALLRF(B/W)	4/8 zone RF control for RGB & RGBW system	Sold Separately	290

## Colour Change



RGBW



Coastal protected



IP67 ideal for outdoor areas and under water lighting

## Guarantee

5 years

## Features & benefits

Complete with wall fixings for easy installation

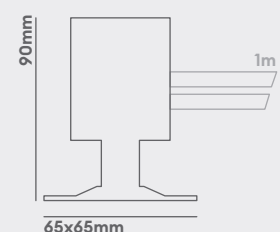
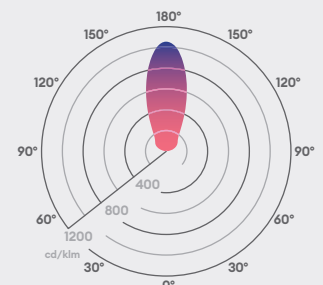
Can rotate and be angled to direct light

Separate white LED for permanent use

Compatible with a large range of controllers

Marine grade stainless steel for use in outdoor and indoor environments

## Beam angle: 45°



## Colour Change



RGBW



IP67 for complete protection against ingress of dust & water



IK10 for protection against high impact

### Guarantee

5 years

### Features & benefits

Suitable for coastal applications

Tilt angle of luminaire is adjustable, just turn knob to tilt the light distribution up to 25 degrees

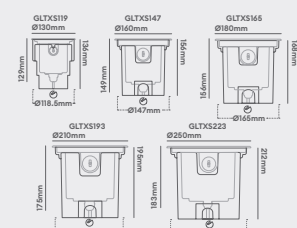
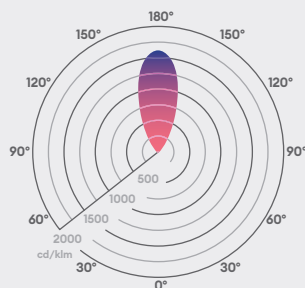
Static loading capacity is 2000kg

Pre-wired with 1 meter of cable to aid the installer

TRIAC mains dimmable and DALI-2 dimmable options also available

Supplied with installation tube

Beam angle: 40°



## Tilt RGBW ground light

Driverless, RGBW Colour Change

### Features

IK rating	IK10
IP rating	IP67
RGB / RGBW	RGBW
Walk over / Drive over	Drive over (15mph maximum)
Input	220-240V AC
LED lifetime	L70 50,000h
Colour rendering index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	119
Bathroom zone	2
Construction material	Anodised aluminium body, 316 SS bezel
Suitable for coastal areas	Yes
Weight	GLTM_11: 0.99kg, GLTM_14: 1.56kg, GLTM_16: 2.03kg, GLTM_19: 3.26kg, GLTM_22: 3.98kg
Maximum ambient temperature	-25°C - 40°C
SELV	N/A
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Finish	Type	W	CCT	△	lm	lm/W	Energy
GLTXS119RGBW	Stainless steel 316	Ø119mm cut-out	2W	White (3000K)	40°	80	28	
			2W	Red	40°	60	26	
			2W	Green	40°	90	30	
			2W	Blue	40°	30	9	
GLTXS147RGBW	Stainless steel 316	Ø147mm cut-out	4W	White (3000K)	40°	160	28	
			3W	Red	40°	130	30	
			4W	Green	40°	190	37	
			4W	Blue	40°	60	11	
GLTXS165RGBW	Stainless steel 316	Ø165mm cut-out	5.5W	White (3000K)	40°	260	28	
			4.5W	Red	40°	190	30	
			5W	Green	40°	300	37	
			5W	Blue	40°	100	11	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	Pre-wired 1.0M H05RN-F, 5x1.0mm <sup>2</sup>
Type of wiring required	Series

### Control & LED drivers

See pages 290-293 for complete control and LED driver offer

### Accessories

JB3 or JB7	Junction box	Sold Separately	322
CR575RGBW	5-core PVC cable	Sold Separately	295



## Tilt RGBW ground light

Driverless, RGBW Colour Change

### Features

IK rating	IK10
IP rating	IP67
RGB / RGBW	RGBW
Walk over / Drive over	Drive over (15mph maximum)
Input	220-240V AC
LED lifetime	L70 50,000h
Colour rendering index	CRI>80
Colour consistency	SDCM3

### Installation information

Cut out size (mm)	193
Bathroom zone	2
Construction material	Anodised aluminium body, 316 SS bezel
Suitable for coastal areas	Yes
Weight	GLTM_11: 0.99kg, GLTM_14: 1.56kg, GLTM_16: 2.03kg, GLTM_19: 3.26kg, GLTM_22: 3.98kg
Maximum ambient temperature	-25°C - 40°C
SELV	N/A
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Finish	Type	W	CCT	Beam angle	lm	lm/W	Energy
GLTXS193RGBW	Stainless steel 316	Ø193mm cut-out	9W	White (3000K)	40°	360	28	
			7W	Red	40°	275	33	
			9W	Green	40°	400	37	
			9W	Blue	40°	150	12	
GLTXS223RGBW	Stainless steel 316	Ø223mm cut-out	11.5W	White (3000K)	40°	510	28	
			9W	Red	40°	380	39	
			11.5W	Green	40°	560	41	
			12W	Blue	40°	190	13	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	Pre-wired 1.0M H05RN-F, 5x1.0mm <sup>2</sup>
Type of wiring required	Series

### Control & LED drivers

See pages 290-293 for complete control and LED driver offer

### Accessories

JB3 or JB7	Junction box	Sold Separately	322
CR575RGBW	5-core PVC cable	Sold Separately	295

## Colour Change



RGBW



IP67 for complete protection against ingress of dust & water



IK10 for protection against high impact

### Guarantee

5 years

### Features & benefits

Suitable for coastal applications

Tilt angle of luminaire is adjustable, just turn knob to tilt the light distribution up to 25 degrees

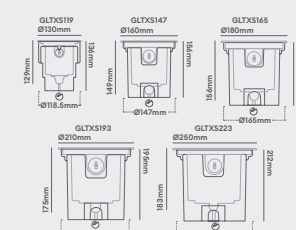
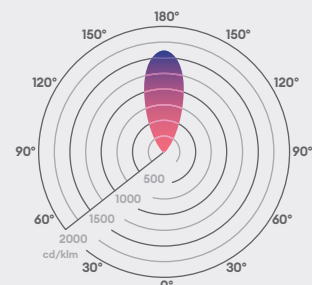
Static loading capacity is 2000kg

Pre-wired with 1 meter of cable to aid the installer

TRIAC mains dimmable and DALI-2 dimmable options also available

Supplied with installation tube

### Beam angle: 40°



## Colour Change



RGBW



Coastal protected



IP65 ideal  
for outdoor  
environments

### Guarantee

5 years

### Features & benefits

Complete with wall fixings for easy installation

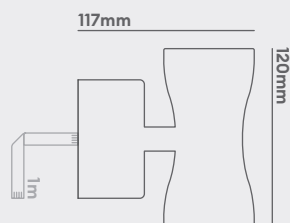
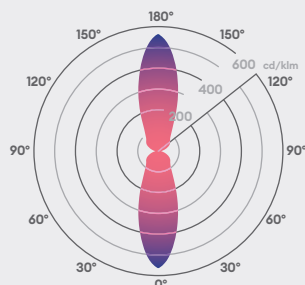
Projects light in two directions

Separate white LED for permanent use

Anodised aluminium for use in outdoor and indoor environments

Compatible with a large range of controllers

Beam angle: 45°



## WL070RGBW

Up / down LED colour change wall light (24W max.)

### Features

IP rating	IP65
RGB / RGBW	RGBW
Tilttable	No
Rotatable	No
Dimmable	No
Input	350mA
LED lifetime	L50 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

### Installation information

Bathroom zone	1
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	0.9kg
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

### Photometrics @ 25°C

Product code	Finish	W	CCT	△	lm	lm/W	Energy
WL070RGBW	Silver	6W	White (4000K)	45°	200	67	
		4.0W	Red	45°	145	73	
		6.0W	Green	45°	230	77	
		6.0W	Blue	45°	38	13	

Energy rating is a reflection of the LED light source.

### Wiring information

Cable / flying lead	1x 5-core ribbon cable
Type of wiring required	Series

### Control & LED drivers

See pages 290-294 for complete control and LED driver offer

### Accessories

JB7	5 pole screw terminal IP68 connector	Sold Separately	322
CR575RGBW	5-core PVC cable	Sold Separately	295





# LSR05

Colour change, self-adhesive flexible strip (15W max.)

## Features

Strip type	Flexible tape	Bathroom zone	N/A
IP rating	IP20	Construction material	Flexible tape
RGB / RGBW	RGBW	Weight	20g per meter
Bespoke lengths	Yes	Electric class (1, 2, 3)	3
Self-adhesive backing	Yes		
Dimmable	Driver dependent		
LED/m	50		
Input	24V DC		
LED lifetime	L70 50,000h		
Colour rendering Index	CRI>80		

## Photometrics @ 25°C

Product code	Reel length (m)	W	CCT	Beam angle	lm	lm/W	Energy
LSR0527050	5	5W/m	White (2700K)	120°	350	70	
		3.9W/m	Red	120°	130	33	
		3W/m	Green	120°	270	90	
		2.9W/m	Blue	120°	65	22	
LSR0530050	5	5W/m	White (3000K)	120°	350	70	
		3.9W/m	Red	120°	130	33	
		3W/m	Green	120°	270	90	
		2.9W/m	Blue	120°	65	22	
LSR0540050	5	5W/m	White (4000K)	120°	350	70	
		3.9W/m	Red	120°	130	33	
		3W/m	Green	120°	270	90	
		2.9W/m	Blue	120°	65	22	

Energy rating is a reflection of the LED light source.

## Wiring information

Cable / flying lead	0.2m 5-core ribbon cable
Type of wiring required	Parallel

## Control & LED drivers

See pages 290-294 for complete control and LED driver offer

## Accessories

CR575RGBW	5-core PVC cable	Sold Separately	295
CF505RGBW	5-core RGBW ribbon cable	Sold Separately	295
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	121

## Colour Change



RGBW



Ideal for accent lighting with low wattage



IP20 ideal for living room and hallways

## Guarantee

3 years

## Features & benefits

IP20 ideal for living room and hallways

Hard-wearing clear covering

Foil backed flexible PCB dissipates heat (improves LED life and colour stability)

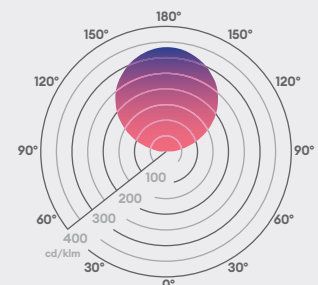
50 LEDs per meter in White and RGBW for an even spread of light

3M self-adhesive backing

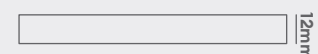
Supplied in customised lengths (0.1m up to 4.9m in 100mm increments) 5m reel also available

Compatible with a large range of controllers

Beam angle: 120°



5m/100mm



# Lighting Controls



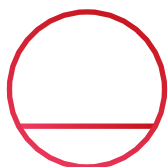
# Drivers

## The ideal driver for every installation

We offer a wide range of drivers, suitable for any environment that are ideal for all Collingwood Lighting products, so you can expect the highest levels of quality and durability throughout your installation.

### IP ratings

IP ratings classify the degrees of protection provided against the intrusion of solid objects and water in electrical enclosures.



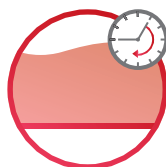
**IP20**

Perfect for use indoors and where there is no risk of water splashing the product.



**IP44**

Ideal for use indoors or outdoors, in bathrooms and other places where water may be sprayed onto the product.



**IP67**

Suited for use outdoors and near water, but cannot be permanently submerged.

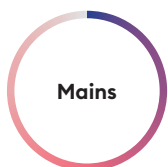
### PSIP drivers

We have redesigned our range of IP65 rated drivers that are used with our low voltage landscape products. 350mA and 700mA options are available and wattage range has been extended to allow for more fittings per driver. The drivers also now come with an increased warranty of five years.



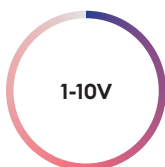
### Dimming options

As each installation is unique and has individual requirements, choose between mains, 1-10V or DALI dimming options.



**Mains**

If your product has an integrated mains dimmable driver, no separate driver is required. This is classed as a 'straight to mains' product.



**1-10V**

With a 1-10V system, all the LEDs connected to the dimmer will dim at an equal amount.

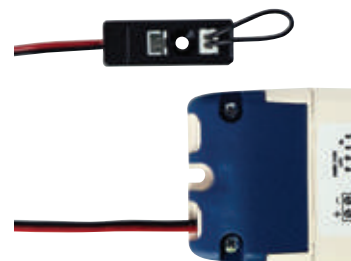


**DALI**

A DALI system can be structured in a way which allows LEDs to respond to certain rooms or zones. Each LED in the same zone will dim an equal amount.

### Plug & play

Installing and connecting a driver is made much easier using plug and play. If you have a suitable product, use one of our plug and play drivers for straightforward installation.



### Output classification options – constant current / constant voltage

Constant current LED drivers are designed to deliver a constant output current within a specified output voltage range. Such drives adjust the voltage throughout the circuit and keep the current on each LED constant.

Constant voltage LED drivers are designed to operate at a single, constant output voltage. The most commonly used constant voltage sources are 12 V and 24 V. The constant voltage LED driver takes the mains voltage (220 V AC) and converts it to DC, reducing it to the appropriate low voltage value for the LEDs. The drive will always remain at constant voltage, no matter how much current load. The maximum current that constant voltage drives can reach is determined by the design parameters and this value is written on the driver.

#### 350mA

Use a 350mA driver when powering 350mA products.

#### 700mA

Use a 700mA driver when powering 700mA products.

#### 24V

Use a 24V driver when powering 24V products.



# Colour change

## Making controlling colour easier

Use our easy to follow step-by-step colour change control guide on pages **288 - 289** and follow the guide to determine what you need for your installation.

### Controllers

Offering a choice between hand held, wall mounted or app control, finding the perfect device for you couldn't be easier. Choose the ideal control for the number of zones that you want to manage. See **290 -291** about zones.



#### CCWALLRFW / CCWALLRFB

**1-4 zones**  
Wall mounted control



#### CCREMOTE B

**1-4 zones**  
Handheld control



#### CollingwoodRGBW App

**1-8 zones**  
Smart device app for Android & iOS



#### CCRFCONVWIFI

WiFi to RF converter

### Drivers

Use the drivers to control your RGBW products, with various options available, RF, DMX or DALI all in 75W, 100W and 200W.



#### Constant current 75W drivers



#### Constant voltage 100W drivers



#### Constant voltage 200W drivers

**RF** drivers allow wireless control from a hand-held remote controller, a wall mounted touch panel or a phone app via the Wi-Fi converter. **DMX** driver allows for wired control of up to 128 different zones, and multiple drivers can be assigned to each zone to keep the lights perfectly in sync.

Use a **DALI** driver for integration with an existing DALI control system.

### Power repeaters

A power repeater can be used to extend the capacity of a driver.



#### PR3011

Ideal for when using constant current products. With the ability to fit up to 100 of these to a driver, you can have as many as 600 luminaires per zone.



#### PR3002

Ideal solution for when using 24V products such as LED strip. With the ability to fit up to 100 of these to a driver, you can have as much as 1000m of LED strip per zone.

# Products per driver matrix

The table shows the minimum and maximum of each products that fits onto each driver.

	PSI524	PS3024B	PSMD3024	LSD6024	PSDIP6024	PS7524	PSDIP10024	PSMDIP10024	LSD12024	PSIP15024	PSDAL20024	PSIP25024	DRV350700TD (350mA & 500mA)
Driver information													
Constant current or Constant voltage	CV	CV	CV	CV	CV	CV	CV	CV	CV	CV	CV	CV	CC
Output classification	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V	350mA-500mA
IP rating	IP20	IP20	IP20	IP20	IP66	IP20	IP66	IP66	IP20	IP67	IP66	IP67	IP20
Dimmable	1-10V*	1-10V*	Mains	No	1-10V	1-10V*	1-10V	Mains	No	1-10V*	1-10V	1-10V*	Mains (Triac)
DIN rail mount	No	No	No	No	No	No	No	No	No	No	No	No	No
Plug & Play	No	No	No	No	No	No	No	No	No	No	No	No	No

Decorative													
LED LYTE IP Page 97													4-14
LED LYTE IP T Page 98													4-14
ML01 Page 96													4-14

Strip													
LSC02 Page 137	3.1m	6.2m	3.8-6.2m	12.5m	12.5m	15.6m	20.8m	20.8m	25m	31.2m	41.6m	52m	
LSC04 Page 139	1m	2m	1.3-2m	4.1m	4.1m	5.2m	6.9m	6.9m	8.3m	10.4m	13.8m	17.3m	
LSC05 Page 138	1.5m	3.1m	1.9-3.1m	6.2m	6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m	
LSC06 Page 140	0.8m	1.7m	1.1-1.7m	3.5m	3.5m	4.4m	5.8m	5.8m	7m	8.8m	11.7m	14.7m	
LSC82 Page 141	3.1m	6.2m	3.8-6.2m	12.5m	12.5m	15.6m	20.8m	20.8m	25m	31.2m	41.6m	52m	
LSC84 Page 144	1m	2m	1.3-2m	4.1m	4.1m	5.2m	6.9m	6.9m	8.3m	10.4m	13.8m	17.3m	
LSC85 Page 143	1.5m	3.1m	1.9-3.1m	6.2m	6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m	
LSC86 Page 145	0.8m	1.7m	1.1-1.7m	3.5m	3.5m	4.4m	5.8m	5.8m	7m	8.8m	11.7m	14.7m	
LSFA07 Page 146	1.8m	3.7m	2.3-3.7m	7.5m	7.5m	9.3m	12.5m	12.5m	15m	18.7m	25m	31.2m	
LSNS73 Page 148	2.3m	4.6m	2.8-4.6m	9.2m	9.2m	11.5m	15.3m	15.3m	18.4m	23m	30.7m	38.4m	
LSNS75 Page 149	1.5m	3.1m	1.9-3.1m	6.2m	6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m	
LSNT73 Page 150	2.3m	4.6m	2.8-4.6m	9.2m	9.2m	11.5m	15.3m	15.3m	18.4m	23m	30.7m	38.4m	
LSNT75 Page 151	1.5m	3.1m	1.9-3.1m	6.2m	6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m	
LSP2250XX Page 146	1m	2.1m	1.3-2.1m	4.2m	4.2m	5.3m	7.1m	7.1m	8.5m	10.7m	14.2m	17.8m	
LSV02 Page 131	3.1m	6.2m	3.8-6.2m	12.5m	12.5m	15.6m	20.8m	20.8m	25m	31.2m	41.6m	52m	
LSV05 Page 132	1.5m	3.1m	1.9-3.1m	6.2m	6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m	
LSV42 Page 134	3.1m	6.2m	3.8-6.2m	12.5m	12.5m	15.6m	20.8m	20.8m	25m	31.2m	41.6m	52m	
LSV45 Page 135	1.5m	3.1m	1.9-3.1m	6.2m	6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m	

Table 1: Comparison of LED Driver Specifications																
CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC
150mA-350mA	400mA-700mA	700mA	350mA	350mA	350mA	350mA	350mA	700mA	700mA	700mA	700mA	700mA	700mA	900mA	900mA	180mA
IP20	IP20	IP20	IP20	IP20	IP20	IP65	IP65	IP20	IP20	IP20	IP20	IP65	IP65	IP20	IP20	IP20
No	No	Mains (Triac)	1-10V	DALI or 1-10V	1-10V	No	No	Mains	1-10V	DALI or 1-10V	1-10V	No	No	DALI	1-10V	Mains
No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	Yes

\*Requires a PDCINT1-10V interface to make it 1 - 10V dimmable

1-15			1-10	1-18	1-18	1-8	9-17							
1-15			1-10	1-18	1-18	1-8	9-17							
1-15			1-10	1-18	1-18	1-8	9-17							

[illegible]

# Products per driver matrix

The table shows the minimum and maximum of each products that fits onto each driver.

	PSI524	PS3024B	PSMD3024	LSD6024	PSDIP6024	PS7524	PSDIP10024	PSMDIP10024	LSD12024	PSIP15024	PSDAL20024	PSIP25024	DRV350700TD (350mA & 500mA)
Driver information													
Constant current or Constant voltage	CV	CV	CV	CV	CV	CV	CV	CV	CV	CV	CV	CV	CC
Output classification	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V	350mA-500mA
IP rating	IP20	IP20	IP20	IP20	IP66	IP20	IP66	IP66	IP20	IP67	IP66	IP67	IP20
Dimmable	1-10V*	1-10V*	Mains	No	1-10V	1-10V*	1-10V	Mains	No	1-10V*	1-10V	1-10V*	Mains (Triac)
DIN rail mount	No	No	No	No	No	No	No	No	No	No	No	No	No
Plug & Play	No	No	No	No	No	No	No	No	No	No	No	No	No

Landscape													
<b>BOL01</b> Page 269													4-14
<b>GL016</b> Page 187													3-12
<b>GL016 Frosted</b> Page 188													4-14
<b>GL018</b> Page 166	1-30	1-60	36-60	1-120	1-120	1-150	1-200	1-200	1-240	1-300	1-400	1-500	
<b>GL019</b> Page 169													3-12
<b>GL019 Frosted</b> Page 170													3-12
<b>GL021</b> Page 213													4-14
<b>GL022</b> Page 214													4-14
<b>GL034</b> Page 209													2-6
<b>GL038</b> Page 200													2-6
<b>GL040</b> Page 194													2-6
<b>GL040 Frosted</b> Page 195													3-12
<b>GL100</b> Page 176													3-12
<b>SL030</b> Page 222													4-14
<b>SL040A</b> Page 223													
<b>SL130</b> Page 222													4-14
<b>SL220</b> Page 224													2-6
<b>SL230</b> Page 228													1-3
<b>SL230 Single Head</b> Page 226													2-6
<b>Spydra</b> Page 232													2-4
<b>UL010</b> Page 241													3-12
<b>UL030</b> Page 240													2-6



To place an order use the driver product codes below.

DRV150700 (150mA-350mA)	DRV150700 (400mA-700mA)	DRV350700TD (700mA)	PLD UNI-DRIVE 350MA	PSDAL350M	PSDIM350	PSIP3509W	PSIP35018W	PLDM70011	PLD UNI-DRIVE 700MA	PSDAL700M	PSDIM700	PSIP70018W	PSIP70036W	PSDAL900M	PSDIM900	PSDIM180
CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC
150mA-350mA	400mA-700mA	700mA	350mA	350mA	350mA	350mA	350mA	700mA	700mA	700mA	700mA	700mA	700mA	900mA	900mA	180mA
IP20	IP20	IP20	IP20	IP20	IP20	IP65	IP65	IP20	IP20	IP20	IP20	IP65	IP65	IP20	IP20	IP20
No	No	Mains (Triac)	1-10V	DALI or 1-10V	1-10V	No	No	Mains	1-10V	DALI or 1-10V	1-10V	No	No	DALI	1-10V	Mains
No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	Yes

\*Requires a PDCINT1-10V interface to make it 1 - 10V dimmable

1-15	1-14	4-9	1-10	1-18	1-18	1-8	9-17		1-10	1-18	1-18	1-8	9-17			
1-13	1-13	3-8	1-17	1-24	1-24	1-7	8-16		1-14	1-23	1-23	1-7	8-16			
1-15			1-10	1-18	1-18	1-8	9-17									
1-13	1-13	3-8	1-17	1-24	1-24	1-7	8-16		1-14	1-23	1-23	1-7	8-16			
1-13			1-16	1-23	1-23	1-7	8-15									
1-15			1-10	1-18	1-18	1-8	9-17									
1-15			1-10	1-18	1-18	1-8	9-17									
1-6	1-6	2-4	1-8	1-12	1-12	1-4	5-8		1-7	1-11	1-11	1-3	4-7			
1-6	1-6	2-4	1-8	1-12	1-12	1-4	5-8		1-7	1-11	1-11	1-3	4-7			
1-6	1-6	2-4	1-8	1-12	1-12	1-4	5-8		1-7	1-11	1-11	1-3	4-7			
1-13			1-16	1-23	1-23	1-7	8-15									
1-13	1-13	3-8	1-17	1-24	1-24	1-7	8-16		1-14	1-23	1-23	1-7	8-16			
1-15	1-14	4-9	1-10	1-18	1-18	1-8	9-17		1-10	1-18	1-18	1-8	9-17			
	1-4	2-3							1-3	1-6	1-6	1-2	3-5			
1-15	1-14	4-9	1-10	1-18	1-18	1-8	9-17		1-10	1-18	1-18	1-8	9-17			
1-6	1-6	2-4	1-8	1-12	1-12	1-4	5-8		1-7	1-11	1-11	1-3	4-7			
1-3	1-3	1-2	1-4	1-6	1-6	1-2	3-4		1-3	1-5	1-5	1-1	2-3			
1-6	1-6	2-4	1-8	1-12	1-12	1-4	5-8		1-7	1-11	1-11	1-3	4-7			
1-4	1-4	1-2	1-3	1-5	1-5	1-2	3-5		1-4	1-7	1-7	1-2	3-5			
1-13	1-13	3-8	1-17	1-24	1-24	1-7	8-16		1-14	1-23	1-23	1-7	8-16			
1-6	1-6	2-4	1-8	1-12	1-12	1-4	5-8		1-7	1-11	1-11	1-3	4-7			

# Products per driver matrix

Choose the right power repeater and driver

## Colour change

For all constant current products you will need the **PR3011** and for all constant voltage products you will need the **PR3002**.

Once you know how many products will be installed in your zone use the relevant tables to work out how many power repeaters you will need and which driver to power them.

Do this  
for each  
zone

## LSR05 - Bespoke lengths available

Length of strip per power repeater	Wattage driver required	Product (driver)
Up to 2m per <b>PR3002</b>	60W	<b>LSD6024</b>
Up to 5m per <b>PR3002</b>	120W	<b>LSD12024</b>
Up to 10m per <b>PR3002</b>	150W	<b>PSIP15024</b>

# Power repeater comparison

Choose the right power repeater and driver

	Constant current / Constant Voltage	Rated wattage	Input current	Input voltage	Output current	Output voltage	Ambient temperature (TA=°C)	Case temperature (TC=°C)	Control
<b>PR3011</b>	CC	4 x 8.4W max.	1.6A max.	24V DC	4 x 350mA	4 x 24V max.	40°C	70°C	CCDRV100____ CCDRV200____
<b>PR3002</b>	CV	39W channel max.	6.5A max.	24V DC	4 x 1.6A	4 x 24V	40°C	70°C	CCDRV100____ CCDRV200____

# Dimming interface

Choose the right dimming interface

	Type of interface	Rated wattage	Input current	Input voltage	Output current	Output voltage	Power factor	Ambient temperature (TA=°C)	Case temperature (TC=°C)	Control	Double insulation	Efficiency	IP rating
<b>PDCINT1-10V</b>	1-10V for 24V drivers	288W	12A max.	24V DC	12A max.	24V DC	-25°C to 40°C	-25°C - 40°C	70°C	DALI-2, PUSH DIM, 0-10V and 1-10V		99%	IP20

The products will be powered by power repeaters that require a 24V driver. The table below shows which driver is needed for the number of power repeaters being used.

Products per PR3011	
Product code	Max. per PR3011
GL016RGBW	6
GL090RGBW	2

Products per PR3011	
Product code	Max. per PR3011
WL070RGBW	1
UL010RGBW	6
UL030RGBW	2

PR3011's per driver		
Number of PR3011's	Wattage driver required	Product (driver)
1	60W	LSD6024
2 - 3	120W	LSD12024
4 - 5	150W	PSIP15024

IP rating	Loop in / loop out	Din rail mount	Protection	Dimensions	Weight	Connections	Accessories	Warranty
IP20	Yes		Short circuit & overheating	H: 28.5 mm L: 170 mm W: 58 mm	165g	Screw terminals < 2.5mm <sup>2</sup> cable		5 years guarantee
IP20	Yes		Short circuit & overheating	H: 28.5mm L: 170mm W: 58mm	165g	Screw terminals < 2.5mm <sup>2</sup> cable		5 years guarantee

Inrush current	Loop in / loop out	Din rail mount	Protection	SELV	Dimensions	Weight	Connection output	Input cable	Output cable	Accessories	Warranty
					H: 28mm L: 138mm W: 40mm	80g	Terminals	4mm <sup>2</sup> max.	1.5mm <sup>2</sup> max.		1 year

# Driver comparison

For full driver specifications visit our website [collingwoodlighting.com](http://collingwoodlighting.com)

	Rated wattage (Output)	Output voltage	Output current	Input wattage (Maximum)	Input voltage	Input current (Maximum)	Inrush current	Power factor	Ambient temperature (TA=°C)	Control	Double insulation	Efficiency	IP rating	Plug & Play
EUP30TIHMC0	30W	3-40V DC	750mA	30W	220- 240VAC, 50-60Hz	0.17A	15A	0.9	-20°C - 50°C	Mains		87%	IP20	Yes
LSD12024	120W	24V DC	5A max	120W	220- 240VAC, 50-60Hz	0.64A	36A 0.183ms	0.9	-15°C - 45°C	Dimmable with PDCINTI-10V	Yes	90%	IP20	No
LSD6024	60W	24V DC	2.5A max	60W	220- 240VAC, 50-60Hz	0.32A	37A 0.215ms	0.9	-15°C - 45°C	Dimmable with PDCINTI-10V	Yes	>89%	IP20	No
DRV150700	30W	2.5- 42VDC	150- 700mA	30W	220- 240VAC	150mA- 700mA	5.38A 0.032ms	0.95	45°C	Non- dimmable	Yes	89%	IP20	
DRV350700TD	20W	350mA: 9-40V - 500mA: 9-40V - 700mA: 9-29V	350- 700mA	20W	220- 240VAC	350- 700mA	15A 0.09ms	0.95	50°C	Mains (Triac)	Yes	81%	IP20	
PLD UNI-DRIVE 350MA	N/A	2-46V	350mA	18W	110-240V AC	0.14A	5A 0.05ms	0.98	-25°C - 50°C	1-10V	Yes	80%	IP20	
PLD UNI-DRIVE 700MA	N/A	2-36V	700mA	30W	110-240V AC	0.14A	5A 0.05ms	0.98	-25°C - 50°C	1-10V	Yes	80%	IP20	
PLDM70011	N/A	12V	700mA	12W	220- 240V AC	0.05A	15A 0.5ms	0.95	-25°C - 40°C	Mains	Yes	>80%	IP20	Yes
PS1524	15W	24V DC	0.625A max.	18W	220- 240V AC	0.08A	28A 0.02ms	0.5	45°C	Dimmable with PDCINTI-10V	Yes	>84%	IP20	
PS3024B	30W	24V DC	1.25A max	36W	220- 240V AC	0.24A	20A 0.78ms	0.9	-20°C - 45°C	Dimmable with PDCINTI-10V	Yes	>80%	IP20	
PS250600MA	25W	14-42V	250mA - 600mA	29W	220- 240VAC, 50-60Hz	0.18A	40A 0.35ms	0.95	-20°C - 45°C	DALI, 0-10V, PUSH DIM	Yes	85%	IP20	No



Loop in / loop out	Din rail mount	Protection	SELV	Dimensions	Weight	Connection output	Input cable	Output cable	Accessories	Warranty
			Yes	H: 42.5mm L: 185mm W: 28.5mm	150g	Terminals	0.75- 2.5mm <sup>2</sup>	0.75- 2.5mm <sup>2</sup>		3 Years
No	No	Mains Surge, Short / Open Circuit	Yes	H: 30mm L: 300mm W: 40mm	425g	Terminals	0.75 - 1.5mm <sup>2</sup>	0.75 - 1.5mm <sup>2</sup>		5 years
No		Mains Surge, Short / Open Circuit	Yes	H: 30mm L: 180mm W: 52mm	296g	Terminals	0.75 - 1.5mm <sup>2</sup>	0.75 - 1.5mm <sup>2</sup>		5 years
	No	Open Circuit, Short Circuit, Over Temperature Self Reset	Yes	H: mm L: mm W: mm		Push-fit terminals		0.75 - 1.5mm <sup>2</sup>		5 years
	No	Open Circuit, Short Circuit, Over Temperature Self Reset	Yes	H: mm L: mm W: mm	130g	Push-fit terminals				5 Years
	No	Short circuit, overload & overheating	Yes	H: 22mm L: 103mm W: 67mm	100g	Terminals	0.5-1.5mm <sup>2</sup> max.	0.5-1.5mm <sup>2</sup> max.		5 years
	No	Short circuit, overload & overheating	Yes	H: 22mm L: 103mm W: 67mm	100g	Terminals	0.5-1.5mm <sup>2</sup> max.	0.5-1.5mm <sup>2</sup> max.		5 years
	No	Open circuit & short circuit	Yes	H: 28mm L: 78mm W: 50mm	70g	Plug & Play	0.15m, 0.75mm <sup>2</sup> 2-core cable	AWG24 with plug & play connector		7 years
	No	Short circuit, overload & overheating	Yes	H: 19mm L: 103mm W: 35.5mm	80g	Terminals	0.5-1.5mm <sup>2</sup> max.	0.5-1.5mm <sup>2</sup>	<b>PDCINT1-10V</b> Dimming interface	3 Years
	No	Short circuit, overload & overheating	Yes	H: 30mm L: 143mm W: 45mm	146g	Terminals	0.5-1.5mm <sup>2</sup> max.	0.5-1.5mm <sup>2</sup>	<b>PDCINT1-10V</b> Dimming interface	3 Years
No		Over Voltage, Short Circuit, Thermal	Yes	H: 30mm L: 125mm W: 76mm	190g	DC Plug and Play Connector	0.75 - 1.5mm <sup>2</sup>	0.5 - 1.5mm <sup>2</sup>		5 years

# Driver comparison

For full driver specifications visit our website [collingwoodlighting.com](http://collingwoodlighting.com)

	Rated wattage (Output)	Output voltage	Output current	Input wattage (Maximum)	Input voltage	Input current (Maximum)	Inrush current	Power factor	Ambient temperature (TA=°C)	Control	Double insulation	Efficiency	IP rating	Plug & Play
PS6501100MA	46W	14-42V	650mA - 1100mA	53W	220- 240VAC, 50-60Hz	0.3A	40A 0.35ms	0.95	-20°C - 45°C	DALI, 0-10V, PUSH DIM	Yes	87%	IP20	No
PS7524	75W	24V DC	3.13A max.	90W	200- 240V AC	0.4A	75A 0.11ms	0.9	-20°C - 45°C	Dimmable with PDCINT1-10V	Yes	85%	IP20	
PSDAL20024	200W	24V DC	8.33A max.	240W	220- 240V AC	1.4A	56A 640µs	0.98	-25°C - 50°C	DALI	Yes	>85%	IP66	
PSDAL350M	N/A	2-74V	350mA	30W	110-240V AC	0.25A	20A 0.4ms	0.95	-25°C - 50°C	1-10V & DALI	Yes	90%	IP20	
PSDAL700M	N/A	2-71V	700mA	56W	110-240V AC	0.25A	20A 0.4ms	0.95	-25°C - 50°C	1-10V & DALI	Yes	90%	IP20	
PSDAL900M	N/A	2-55V	900mA	56W	110-240V AC	0.25A	20A 0.4ms	0.95	-25°C - 50°C	1-10V & DALI	Yes	>80%	IP20	
PSDIM180	N/A		180mA	8.5W	220- 240V AC	0.038A	20A 0.4ms	0.9	-25°C - 50°C	Mains	Yes	74%	IP20	Yes
PSDIM350	N/A	2-74V	350mA	30W	110-240V AC	0.25A	20A 0.4ms	0.95	-25°C - 50°C	1-10V	Yes	>80%	IP20	
PSDIM700	N/A	2 - 71V	700mA	56W	110-240V AC	0.25A	20A 0.4ms	0.95	-25°C - 50°C	1-10V	Yes	80%	IP20	
PSDIM900	N/A	2-55V	900mA	56W	110-240V AC	0.25A	20A 0.4ms	0.95	-25°C - 50°C	1-10V	Yes	>80%	IP20	
PSDIP10024	100W	24V DC	4.15A max.	120W	220- 240V AC	0.546A	45A 0.7ms	0.98	40°C	0-10V	Yes	>80%	IP66	

Loop in / loop out	Din rail mount	Protection	SELV	Dimensions	Weight	Connection output	Input cable	Output cable	Accessories	Warranty
No		Over Voltage, Short Circuit, Thermal	Yes	H: 30mm L: 125mm W: 76mm	190g	DC Plug and Play Connector	0.75 - 1.5mm <sup>2</sup>	0.5 - 1.5mm <sup>2</sup>		5 years
	No	Short circuit, overload, overheating & over voltage	Yes	H: 28.2mm L: 170mm W: 44.5mm	221g	Terminals	0.5-1.5mm <sup>2</sup> max.	0.5-1.5mm <sup>2</sup>		3 Years
	No	Short circuit, overload & overheating	Yes	H: 53mm L: 255mm W: 80mm	1800g	Flying Lead	Mains: 0.25m, 1mm <sup>2</sup> 3-core cable Ø: 7.5mm DALI: 0.25m, 0.75mm <sup>2</sup> 2-core cable Ø: 7mm	0.25m, 1.5mm <sup>2</sup> 2-core cable Ø 9mm		3 Years
	No	Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm	100g	Terminals	0.5-1.5mm <sup>2</sup> max.	0.5-1.5mm <sup>2</sup> max.		5 years
	No	Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm	100g	Terminals	0.5-2.5mm <sup>2</sup> max.	0.5-2.5mm <sup>2</sup> max.		5 years
	No	Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm	100g	Terminals	0.5-2.5mm <sup>2</sup> max.	0.5-2.5mm <sup>2</sup> max.		7 years
Yes	No	Open / Short Circuit - Power Cycle Reset	Yes	H: 30mm L: 118mm W: 46mm	103g	Plug & Play		H03VVH2-F with connector		3 Years
	No	Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm	100g	Terminals	0.5-2.5mm <sup>2</sup> max.	0.5-2.5mm <sup>2</sup> max.		5 years
	No	Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm	100g	Terminals	0.5-2.5mm <sup>2</sup> max.	0.5-2.5mm <sup>2</sup> max.		7 years
	No	Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm	100g	Terminals	0.5-2.5mm <sup>2</sup> max.	0.5-2.5mm <sup>2</sup> max.		7 years
	No	Short circuit, overload & overheating	Yes	H: 44mm L: 230mm W: 68mm	1200g	Flying Lead	Mains: 0.25m, 1mm <sup>2</sup> 3-core cable Ø: 7.5mm 1-10V: 0.25m, 0.75mm <sup>2</sup> 2-core cable Ø: 6.5mm	0.25m, 1.5mm <sup>2</sup> 2-core cable Ø: 7mm		3 Years

# Driver comparison

For full driver specifications visit our website [collingwoodlighting.com](http://collingwoodlighting.com)

	Rated wattage (Output)	Output voltage	Output current	Input wattage (Maximum)	Input voltage	Input current (Maximum)	Inrush current	Power factor	Ambient temperature (TA=°C)	Control	Double insulation	Efficiency	IP rating	Plug & Play
PSIP15024	150W	24V DC	6.3A max.	178W	220-240V AC	0.80A	45A 1ms	0.95	50°C	Dimmable with PDCINTI-10V	Yes	>85%	IP67	
PSIP25024	250W	24V DC	10.4A max.	285W	220-240V AC	1.6A	30A 0.2ms	0.96	50°C	Dimmable with PDCINTI-10V	Yes	84%	IP67	
PSIP35018W	18W	25 - 50V	350mA	20W	220-240V AC	0.1A	13A 0.1ms	0.9	50°C	Non-dimmable	Yes	83%	IP65	
PSIP3509W	9W	2.5 - 25V	350mA	11W	220-240V AC	0.05A	8A 0.1ms	0.9	50°C	Non-dimmable	Yes	82%	IP65	
PSIP70018W	18W	2.5 - 25V	700mA	20W	220-240V AC	0.1A	12A 0.1ms	0.9	50°C	Non-dimmable	Yes	83%	IP65	
PSIP70036W	36W	25 - 50V	700mA	40W	220-240V AC	0.18A	18A 0.1ms	0.9	50°C	Non-dimmable	Yes	85%	IP65	
PSMD3024	30W	24V DC	1.25A	30W	180-240V AC	0.18A	3A 0.08ms	0.95	50°C	Mains	Yes	>83%	IP20	
PSMDIP10024	100W	24V DC	4.17A max.	120W	180-264V AC	0.8A	30A 0.2ms	0.6		Mains	Yes	85% with max load	IP66	



Loop in / loop out	Din rail mount	Protection	SELV	Dimensions	Weight	Connection output	Input cable	Output cable	Accessories	Warranty
	No	Short circuit, overload & overheating	Yes	H: 37mm L: 190mm W: 62mm	1200g	Flying Lead	0.25m, 1mm <sup>2</sup> 3-core cable Ø: 7.5mm	0.25m, 1mm <sup>2</sup> 2-core cable Ø: 8mm	<b>PDCINT1-10V</b> Dimming interface	3 Years
	No	Short circuit, overload & over current	Yes	H: 36mm L: 220mm W: 62mm	875g	Flying Lead	0.25m, 1mm <sup>2</sup> 3-core cable Ø: 7.5mm	0.25m, 2mm <sup>2</sup> 2-core cable Ø: 9mm	<b>PDCINT1-10V</b> Dimming interface	3 Years
	No	Short circuit, overload & overheating	Yes	H: 25mm L: 180mm W: 42mm	200g	Flying Lead	0.2m, 1mm <sup>2</sup> 2-core cable Ø: 7mm	0.2m, 1mm <sup>2</sup> 2-core cable Ø: 7mm		5 years
	No	Short circuit, overload & overheating	Yes	H: 24mm L: 160mm W: 38mm	200g	Flying Lead	0.2m, 1mm <sup>2</sup> 2-core cable Ø: 7mm	0.2m, 1mm <sup>2</sup> 2-core cable Ø: 7mm		5 years
	No	Short circuit, overload & overheating	Yes	H: 24mm L: 160mm W: 38mm	200g	Flying Lead	0.2m, 1mm <sup>2</sup> 2-core cable Ø: 7mm	0.2m, 1mm <sup>2</sup> 2-core cable Ø: 7mm		5 years
	No	Short circuit, overload & overheating	Yes	H: 25mm L: 180mm W: 42mm	250g	Flying Lead	0.2m, 1mm <sup>2</sup> 2-core cable Ø: 7mm	0.2m, 1mm <sup>2</sup> 2-core cable Ø: 7mm		5 years
	No	Short circuit, overload & overheating	Yes	H: 45mm L: 185mm W: 65mm	450g	Terminals	0.75-4.0mm <sup>2</sup> max.	0.5-4.0mm <sup>2</sup> max.		3 Years
	No	Short circuit, overload & over current	Yes	H: 43mm L: 230mm W: 70mm	1300g	Flying Lead	0.25m, 1mm <sup>2</sup> 3-core cable Ø: 7.5mm	0.25m, 1mm <sup>2</sup> 2-core cable Ø: 7mm		1 Year Warranty

# Accessories

For accessories specific to product ranges visit the relevant sections.

## JB1 (Parallel)

Waterproof junction box



Key features	
Max. voltage	30V DC
Max. current	5A
Max. conductor size	1mm <sup>2</sup>
Cable diameter	5 - 6.5mm <sup>2</sup>
IP rating	IP68 (2m)
Wiring	Parallel
Inputs	1
Outputs	1 - 3

Use in conjunction with  
GL018

## JB3

Waterproof junction box



Key features	
Max. voltage	400V AC
Max. current	30A
Max. conductor size	4mm <sup>2</sup>
Cable diameter	3 - 12mm <sup>2</sup>
IP rating	IP66
Wiring	Parallel
Inputs	1
Outputs	1 - 7

Use in conjunction with  
GL016RGBW GL090RGBW

## JB5 (Parallel)

Gel filled waterproof junction box



Key features	
Max. voltage	250V AC
Max. current	16A
Max. conductor size	1.5mm <sup>2</sup>
Cable diameter	6.5 - 12mm <sup>2</sup>
IP rating	IP68 (1.3m)
Wiring	Parallel
Inputs	1
Outputs	1 - 3

Use in conjunction with  
BL03 GL018  
GL034 GL038  
GL200 WL339  
WL341

## JB7

5 pole screw terminal IP68 connector



Key features (RGBW only)	
Max. voltage	24V
Max. current	1.4A
Max. conductor size	4mm <sup>2</sup>
Cable diameter	7 - 10.5mm <sup>2</sup>
IP rating	IP68 (1.3m)
Wiring	Parallel
Inputs	1
Outputs	1

Use in conjunction with  
GL016RGBW GL090RGBW

## JB2 (Series)

Waterproof junction box



Key features	
Max. voltage	48V DC
Max. current	700mA
Max. conductor size	1mm <sup>2</sup>
Cable diameter	5 - 6.5mm <sup>2</sup>
IP rating	IP68 (2m)
Wiring	Series
Inputs	1
Outputs	1 - 3

Use in conjunction with  
BL01 GL016 GL019  
GL021 GL022 GL040  
UL010 UL030 SL030  
SL130 SL040 SL220  
GL100

## JB4 (Series)

Gel filled waterproof junction box



Key features	
Max. voltage	120V DC
Max. current	700mA
Max. conductor size	1.5mm <sup>2</sup>
Cable diameter	3 - 12mm <sup>2</sup>
IP rating	IP66
Wiring	Series
Inputs	1
Outputs	1 - 7

Use in conjunction with  
BL01 GL016 GL019  
GL021 GL022 GL040  
UL010 UL030 SL030  
SL130 SL040 SL220  
GL100

## JB6

Inline IP68 gel filled cable connector



Key features	
Max. voltage	250V AC
Max. current	6A
Max. conductor size	0.75mm <sup>2</sup>
Cable diameter	4.8 - 6mm <sup>2</sup>
IP rating	IP68 (1.3m)
Wiring	Inline
Inputs	1
Outputs	1

Use in conjunction with  
WCR 275 BLACK  
Ideal for extending cable when it's not long enough

## WC 5-9

Quick release waterproof connector



Key features (RGBW only)	
Max. voltage	250 AC / 50 DC
Max. current	10A
Max. conductor size	4mm <sup>2</sup>
Cable diameter	5 - 9mm <sup>2</sup>
IP rating	IP68 (1.3m)
Wiring	Inline
Inputs	1
Outputs	1

Use in conjunction with  
BL03 GL034  
GL038 GL200  
SL220 WL339  
WL340 WL341  
WL342

## WCR 275 Black

2-core rubber cable



Key features		Use in conjunction with	
Cable	H05RN-F 2 x	JB1	JB2
	0.75mm <sup>2</sup>	JB4	JB6
	Outer diameter 6mm		
Material	Copper cable, rubber outer		
Length	100m reel		
Indoor / outdoor	Suitable for permanent outdoor use		

## WCR 375 Black

3-core rubber cable



Key features		Use in conjunction with	
Cable	H05RN-F 3 x	JB1	JB5
	0.75mm <sup>2</sup>	WC 5-9	
	Outer diameter 6mm		
Material	Copper cable, rubber outer		
Length	100m reel		
Indoor / outdoor	Suitable for permanent outdoor use		

## UY2 Connector

Quick waterproof connector



Key features		Use in conjunction with
IP rating	IP65	ML01
Wiring	Series	
Waterproof type	Gel	
Material	Plastic	

# Maximum cable lengths

## Use the tables below for the maximum cable length

The lengths below are guidelines which cover most installations. If an installation requires a longer cable length, it may be possible but a calculation will be needed to confirm it. Please contact our technical support team for further information.

**All wiring must comply with national wiring regulations**

### Constant current drivers

Cable length in metres is from the driver to the last LED unit.  
The number of LED's units wired to the driver does not affect the cable length.

Driver	0.2mm <sup>2</sup>	0.35mm <sup>2</sup>	0.5mm <sup>2</sup>	0.75mm <sup>2</sup>	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>
350mA drivers	50m	80m	100m	150m	200m	300m	500m
700mA drivers	25m	40m	50m	75m	100m	150m	250m

Maximum length for a 350mA driver using 1.5mm<sup>2</sup> cable is 300 metres of 2 core cable using one core for feed and the second core for return.

### Single colour 24V DC LED strip (LSV, LSC, Neon, COF)

Recommended maximum cable length from power supply to **start** of strip.

Driver	0.5mm <sup>2</sup>	0.75mm <sup>2</sup>	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>
4.8W/m	20m	30m	40m	60m	100m
6.5W/m	16m	25m	32m	50m	80m
8W/m	13m	20m	26m	40m	65m
9.6W/m	10m	15m	20m	30m	50m
14.4W/m	7m	10m	15m	20m	35m
17W/m	6m	9m	12m	18m	30m

Above figures are for a 5m strip length. For a 2.5m strip length, for example, the maximum cable length is x 2.

### RGBW products

Maximum cable lengths from power repeater to product.

Power repeater	0.5mm <sup>2</sup>	0.75mm <sup>2</sup>	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>
PR3002	3m	4.5m	6m	9m	15m
PR3011	50m	75m	100m	150m	250m

### GL018 0.5W 24V DC drivers

Cable length is from the driver to the last LED unit.

Max product per driver	0.5mm <sup>2</sup>	0.75mm <sup>2</sup>	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>
Up to 10 - GL018	100m	180m	220m	360m	550m
Up to 20 - GL018	50m	90m	110m	180m	225m
Up to 30 - GL018	35m	60m	70m	120m	180m
Up to 40 - GL018	25m	40m	50m	80m	130m



# Information

## Lighting terms

### 0-10V

Dimming controlled by a variable voltage that allows the light to be dimmed to 0%.

### 1-10V

Dimming controlled by a variable voltage, with control from 10%-100% brightness.

### AC (alternating current)

An electrical current which changes direction periodically.

### Accent lighting

Aesthetic lighting that provides emphasis, depth and decoration to draw attention to particular objects.

### Ambient temperature

Ambient temperature relates to the average air temperature in the environment surrounding the luminaire / LED driver.

### Bathroom zone

Suitability for a product to be installed near or in water.

### CCT

Correlated Colour Temperature.

### Colour switchable

Colour temperature can be switched between 3000K to 4000K or 6000K / 6500K.

### CRI

Colour Rendering Index.

### DALI

Digital Addressable Lighting Interface. A method of digital dimming, allowing precise control of individual light fittings by an external control system.

### DC (direct current)

An electrical current flowing in one direction only.

### Dim to warm

The CCT becomes warmer as the product is dimmed.

### Flicker

A visible constant fluctuation of light output from on to off.

### IK rating

Indicates the protection against mechanical impact. Rated from IK00 to IK10.

### Insulation coverable

Insulation can be laid directly on top of the product this can refer to rolled or blown wool insulation.

### IP rating

Ingress Protection Rating.

### Kelvin (K)

Kelvin is the scientific unit for measuring CCT (Correlated Colour Temperature).

### L70, B10 / L70, B50

Lifetime indication of the LEDs. L represents the percentage of lumens at the lifetime hours and B represents the failure rate to meet L. L70, B10 at 50,000 hours means that at 50,000 hours, the LED keeps 70% of its light output and 10% have failed to do so.

### Leading edge dimmers

The electrical current (sinusoidal signal) is turned off at the front of the AC input waveform immediately after the zero crossing.

### Lumens (lm)

The quantity of light emitted from a light source that is visible. The higher the lumens, the brighter the light.

### Luminaire

Is a light fitting that contains a light source, mechanical fixings and a power supply.

### Luminous efficacy

Is a measure of energy efficiency and is calculated by dividing the lumens by the wattage (lm/W).

### Luminous flux

Total number of 'lumens' emitted from a light source.

### Lux (lx)

Quantity of light that illuminates a surface, e.g. in a corridor 100 lux are required on the floor.

### Maintained

Maintained fittings are on all the time, like a normal luminaire.

### mA

A milliamp is one thousandth of an amp (0.001A). Collingwood products are typically designed to take 350mA, 700mA, 900mA.

### Manual test

The battery of tests need to be conducted by an individual, or team, on each relevant product.

### Microwave sensor

A presence sensor to reduce the amount of time lighting is left on unnecessarily.

### Non maintained

Non-maintained fittings only turn on in the event of a power failure.

### PIR

Passive Infrared Device, used to activate lighting when a person enters a room or area.

### PUSH-DIM

Dimming control via a single push button, press briefly for on/off and hold to dim up/down.

### PWM

Pulse-width modulation: a control system for efficient and precise control of brightness, mainly used for strip.

### RAL

A set of industry standard colours to ensure consistent paint finishes across all products.

### REACH

Registration, Evaluation, Authorisation & Restriction of Chemicals. All Collingwood products are REACH compliant.

### RGBW

Stands for Red, Green, Blue, White. Used to describe colour changing products that can be used to dynamically add colour to any environment. Can also be run on white when natural lighting is required.

### RGBWW

RGBWW: This is a 5-in-1 LED chip that contains a warm white, RGB and cool white element.

### RoHS

Restriction of Hazardous Substances, an EU requirement that restricts the use of harmful materials within products. All Collingwood products are RoHS compliant.

### Self Test

Self-test products have built in technology that facilitates an automation of testing regimes.

### SELV

Separated Extra Low Voltage. A low voltage power supply that will not exceed 50V AC or 120V DC.

### Task lighting

Describing the installation or retrofit of LED downlights or other lighting specifically to provide functional illumination of an environment.

### Thermal management

LEDs are susceptible to heat. Thermal management refers to components that are designed to remove heat efficiently to ensure high light output and long lifetime from the LEDs.

### Trailing edge dimmers

The electrical current (sinusoidal signal) is turned off at the end of the AC input waveform immediately before the zero crossing.

### UGR

UGR stands for Unified Glare Rating. The lower the value, the more comfortable the environment.

### WEEE

Waste Electrical and Electronic Equipment, Collingwood is part of a WEEE scheme. Our WEEE Registration: WEE/JC3973RV

## Wiring / electrical terms

### Extension leads

Ready-made leads for easy extension of cables, usually with male / female plugs for Plug & Play extensions.

### Flying leads

Electrical leads already attached to the product.

### HO5RN-F

Electrical cable suitable for outdoor use.

### Pattness box

Back box for electrical front plates.

### Plug & play

Cables on product have 1 x male and 1 x female plugs attached for quick connection.

### PTFE

A non-stick, chemically resistant insulating material.

### RCD

Residual Current Device. This is a type of circuit breaker, which detects electrical leakage.

### Shielded cable

Inner wires are wrapped in a shielding material to protect from electrical interference.

### Straight to mains

Product for which no other wiring is required other than connection to the mains supply.

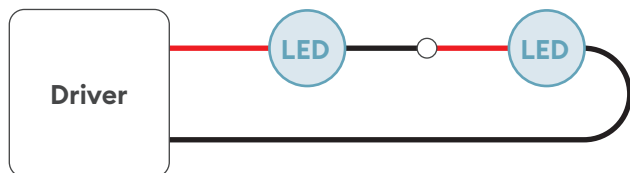
# Information

## Series / parallel wiring

LED lighting products can be wired in either Series or Parallel and both have their advantages.

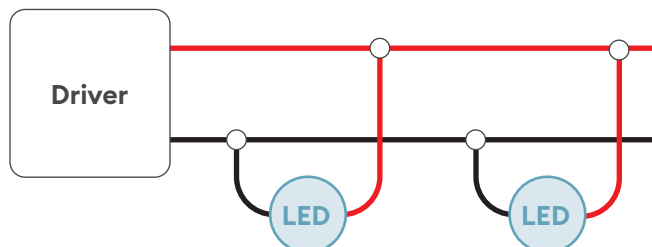
### Series

Series wired products that require a separate constant current driver.



### Parallel

Parallel wired products that require a separate constant voltage driver.



## Building regulations

Specifically related to the UK, the following building regulations should be complied with, where appropriate.

### Part B - Fire protection

When a hole is cut into a fire barrier (e.g. a fire rated ceiling), an appropriately fire-resistant luminaire must be used to block the hole from any pathway in the event of a fire in the room. All Collingwood downlights are fire rated and designed around our patented fire-resistant technology.

### Part C - Moisture protection

When a hole is cut in an insulation barrier (e.g. a ceiling tile or plaster ceiling), air and moisture can travel into the ceiling void. Part C rated downlights can assist in energy saving by preventing heat loss from a room. The H4 Pro range are the only Part C rated adjustable downlights available in the market.

### Part E - Acoustic protection

In multi-floor buildings, such as hotels and apartment blocks, sound can permeate throughout the building causing annoyance to neighbours and colleagues. With a Part E rated downlight, testing is carried out to ensure it is resistant to sound being transferred through partitions.

### Part P - Electrical safety

Covers all aspects of proper installation of electrical components. All Collingwood products have been designed to easily allow installation to Part P, but we recommend that they should be installed by a qualified electrician or a suitably competent person.

### Part L - Conservation of energy

LEDs are an energy efficient technology, however not all LED products are created equal. Part L ensures that only the most efficient products are installed, so that as little energy as possible is used, and therefore energy bills are lowered.

**New or existing Dwellings:** each internal light fitting should have lamps with a minimum luminous efficacy of 75 light source lumens per circuit-watt.

**Buildings other than dwellings:** General lighting, has an average luminaire efficacy of 95 luminaire lumens per circuit-watt  
Display lighting, have an average light source efficacy of 80 light source lumens per circuit-watt

## SDCM (standard deviation colour matching)

SDCM refers to the colour consistency between light sources. SDCM is a different naming convention for MacAdam Ellipses, both terms are internationally accepted. A SDCM is a scientific term given to light sources that the human eye should not be able to distinguish a difference between in an installation.

Collingwood Lighting commits to ensuring that its illumination products have colour consistency.

# SLR / ELR Overview

## Single Lighting and Energy Labelling Regulations

The Single Lighting Regulation (SLR) came into effect on the 1st September 2021, across Europe and includes the UK. The Energy Labelling Regulation (ELR) is also came into effect at the same time, which means that, amongst other things, the label has been rescaled from A\*\* - E to A - G. What was an A++ class is now an E class!

The SLR regulations are aimed at improving product performance across the lighting industry, including all types of lighting technology. Energy efficiency requirements mean that Compact Fluorescent Lamps (CFLs) and T8 fluorescent lamps are banned. LED lighting technology is the main option to ensuring compliance with these requirements.

In addition to the product performance requirements, the regulations also encourage elements of the circular economy concept. Light sources and control gears must be produced so that they can be easily removed and replaced with commonly available tools, unless there is a technical justification why this cannot happen (e.g. IP rating).

Collingwood ground lights, would be an example of a product that meets the technical justification. The IP rating required for these fittings means that they are sealed for life and that replacement of the light source would not be acceptable to maintain product performance.

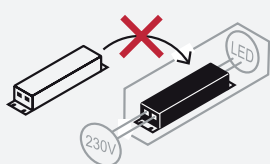
We have designed our products to ensure conformance with these regulations, whilst not compromising on performance, lifetime or warranty.

Please contact us should you have any questions regarding a specific product.

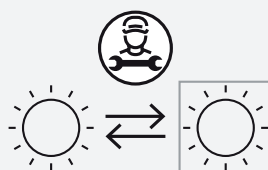
## Industry standard pictograms



Non-replaceable light source



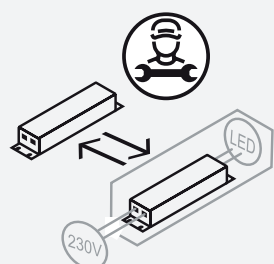
Non-replaceable control gear



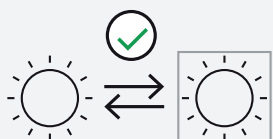
Replaceable light source by a professional



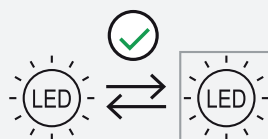
Replaceable (LED only) light source by a professional



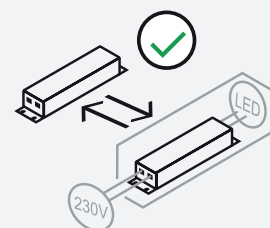
Replaceable control gear by a professional



Replaceable light source by an end-user



Replaceable (LED only) light source by an end-user



Replaceable control gear by an end-user

# CCT (correlated colour temperature)

## Choosing a colour temperature:

LEDs make it possible to have a choice of white colours or 'tones'. This allows easy customisation of an area to bring out the best in the materials and design of a room.

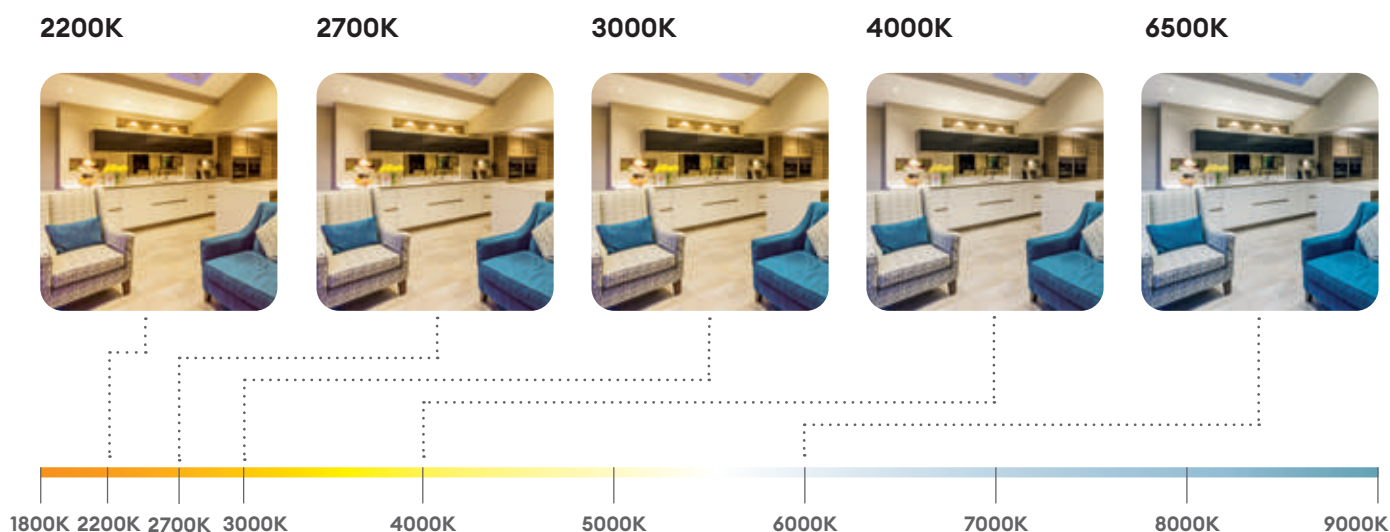
With standard white LED lighting, these tones range from warm-yellow to cool-blue white light, with several options in between. The graphic below is a reference that starts at a warm yellow colour on the left and fades into a cool blue colour on the right.

Collingwood Lighting uses the industry standard Correlated Colour Temperature (CCT) rating to describe the tones of white light available.

The standard unit of CCT is the kelvin (K), so CCT is described as a 'temperature'. CCT options range from 6500K cool white, 4000K natural white, 3000K warm white, 2700K warmer white and 2200K ember.

You will find colour consistency across our entire range of products ensuring seamless installations.

It can be tricky to decide what is best for your installation, but our skilled technical sales and lighting design teams are on hand to guide you through choosing the perfect white tone for your room.



## Beam angles

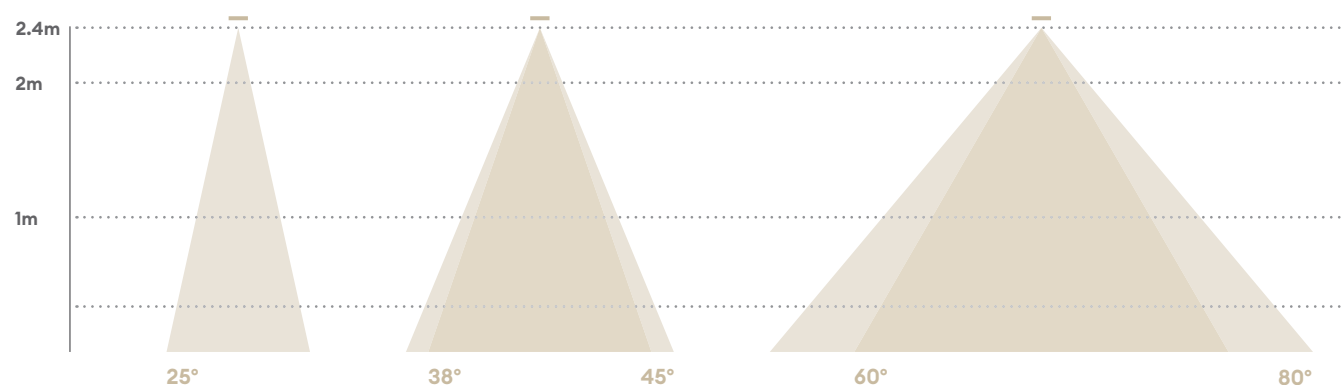
**25°** A narrow beam angle ideal for illuminating specific areas of interest with pin points of light.

**38°** The most commonly used beam angle since the introduction of the halogen lamp in the '70s. Ideal for illuminating large areas and space between fittings is normally 1m-1.2m to create an even spread of light at floor level. Commonly used throughout residential and commercial environments.

**45°** Can be used instead of a 38° beam angle when the ceiling is higher than standard or when looking to achieve a greater spread of light at floor and wall level. Commonly used in the hospitality market.

**60°** This wider beam angle allows for greater spacing between fittings, up to 1.8m apart, or greater illumination at 1.2m spacings, meaning fewer luminaires are required. Also produces a more even spread of light at floor and wall level. Commonly used throughout residential and commercial environments.

**80°** Ideal for high ceilings and illuminating large areas of space and is more commonly used in the commercial sector.





# CRI (colour rendering index)

A value given to the quality of a light source with regards to how accurately it can replicate colours compared to natural daylight. CRI is given as a value out of 100, and is stated as the Rendering Index (Ra).

LEDs are generally available with a CRI of between 50Ra and 95Ra, with those in the lower end used for outdoor lighting, and those in the higher end used for professional photography.

It is generally accepted that a CRI of >80Ra is very good and for general indoor lighting, while >90Ra is used in specialised locations, e.g. retail or very high-end hospitality.



**Low CRI**



**High CRI**

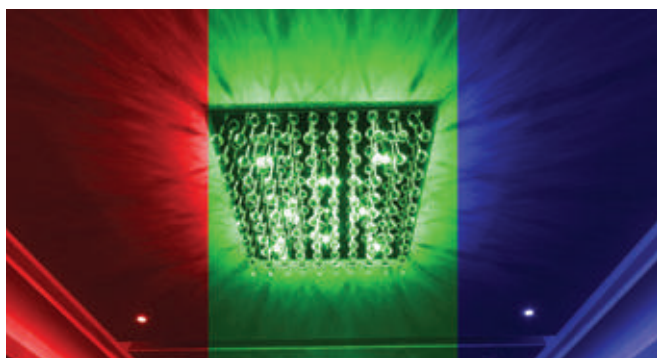
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## RGB vs RGBW

Use RGB products to select vivid red, green or blue schemes or mix the three together for even more colour options.

The addition of a white LED in RGBW products provides the option to create pastel shades and white, in addition to the vivid red, green and blue colours.

RGBW can also be run on white, giving you the option of more natural lighting when it is required. Choose from 2700K, 3000K and 4000K.



**RGB**



**RGBW**

---

## DIALux **RELUX**<sup>®</sup>

Collingwood Lighting is partnered with DIALux and RELUX 3D lighting design software which provides fast and accurate calculations and detailed, realistic visualisations of designs.

Our entire e-catalogue is available in our plug-in, giving you the freedom to select any product and add it to your virtual design. This will create an accurate representation of your lighting scheme, giving you the ability to get creative with your design and accomplish the perfect lighting scheme - with no regrets after installation.

# Driving performance

Optimise performance with Collingwood drivers



**Collingwood**  
**low voltage**  
**luminaire**

**Collingwood**  
**driver**

**Collingwood**  
**performance**

## Enhance the performance of Collingwood luminaires by combining them with our **carefully selected drivers**

At Collingwood Lighting, high quality performance is at the core of everything we do. We strive for perfection and customer peace of mind not only at each stage of the installation process, but for the future lifetime of the products.

Each of our LED lights is built with this in mind; our team of engineers spend countless hours researching and testing each one to ensure optimum performance and lifetime with a minimal failure rate. Not only are they built to make indoor and outdoor installations look incredible, but each component is rigorously engineered and tested to create a robust, quality product.

This ethos extends to our range of drivers. Our drivers are chosen based on their ability to enhance the individual fitting. Each one has undergone a stringent testing process to ensure optimum performance when used in combination with it's light fitting counterparts.

When selecting lights for a project, Collingwood LED lights are chosen for their superior quality and reliable lifetime.

To ensure they meet their full potential, **choose a Collingwood driver** that's been hand-selected to boost each product.

Refer to each individual product page for a list of compatible drivers or see the driver section for a full matrix of each driver and it's compatible products. Alternatively, when planning an installation speak to our team who'll be happy to advise a complete driver solution.

# LED lifetime / light output

LEDs do not use heat to generate light in the same way as commonly used lights, where 80% of the power used is dissipated as heat. This is why LEDs are referred to as cool to touch and are safer to use, especially in ground light products. However an LED does have an operating temperature within its structure. This heat, if not removed will reduce the light output and product lifetime. This is why LED products have heatsinks or use the body of the product to dissipate the heat as quickly and efficiently as possible.

Many Collingwood LED products have visible heatsinks: these are typically made from anodised aluminium and feature many thin fins. It is essential to have an air gap around the heatsink, as this ensures that heat is quickly removed, which keeps the LED at optimum temperature.

LEDs do naturally lose their ability to produce light over many thousands of hours so Collingwood Lighting publishes the expected lifetime of products within its catalogue. This helps customers to easily determine how long the product will last,

and to calculate how much energy will be saved compared to conventional incandescent lamps over the life of the product. Use the cost savings calculator on our website to see our estimate of how much our lights can save you compared to non-LEDs. Lifetime is stated as the number of hours of operation until the light level emitted from the LEDs has dropped to a specified percentage of the original published values.

For the majority of Collingwood Lighting products, lifetime is stated as ‘L70, B10 X hours’. Where, ‘L70’ means 70% of original light output remains. ‘B10’ means that 10% of products will have reached this level (i.e. 90% of products will have a light output greater than 70% of published) after ‘X’ number of hours of operation.

As an example, the majority of Collingwood Lighting products state lifetime as L70, B10 for 70,000 hours. However, as LEDs do naturally lose their ability to emit light, they will continue to operate for many hundreds of hours after this level has been reached, but at an ever-reducing level.

## IK rating

Degrees of protection against external mechanical impacts.

Number	Protection
IK00	Not protected.
IK01	Protected against 0.14 joules impact.
IK02	Protected against 0.2 joules impact.
IK03	Protected against 0.35 joules impact.
IK04	Protected against 0.5 joules impact.
IK05	Protected against 0.7 joules impact.








Number	Protection
IK06	Protected against 1 joules impact.
IK07	Protected against 2 joules impact.
IK08	Protected against 5 joules impact.
IK09	Protected against 10 joules impact.
IK10	Protected against 20 joules impact.

# IP rating

The IP rating normally has two numbers:

1. Level of protection from solid objects or materials.
2. Level of protection from liquids (water).

## Solid protection

Number	Example	Protection
0		No special protection.
1		Protection from a large part of the body such as a hand (but no protection from deliberate access); from solid objects greater than 50mm in diameter.
2		Protection against fingers or other objects not greater than 80mm in length and 12mm in diameter.
3		Protection from entry by tools, wires etc, with a diameter of 2.5mm or more.
4		Protection against solid bodies larger than 1mm.
5		Protection against dust that may harm equipment.
6		Totally dust-tight.

## Liquid protection

Number	Example	Protection
0		No special protection.
1		Protection against condensation.
2		Protection against water droplets deflected up to 15° from vertical.
3		Protection against spray up to 60° from vertical.
4		Protection against water spray from all directions.
5		Protection against low pressure water jets (all directions).
6		Protection against high pressure water jets and waves.
7		Protection against temporary immersion.
8		Protection against prolonged effects of submersion under pressure. Submersion depth to be specified.*
9		Protection against high pressure, high temperature close range jet (8-10 MPa – 80°C) and high temperature water and steam.

# IP65

Ingress protection.

\*e.g. IP 68 @ 1bar = dust-tight and permanent protection to 1 bar pressure (9m water depth).



# Bathroom / pool zones

## What IP rating do I need?

### Zone 0 $\geq$ IPX7

Only 12V AC rms or 30V ripple-free DC SELV, transformers must be sited outside Zones 0,1,2.

### Zone 1 $\geq$ IPX4

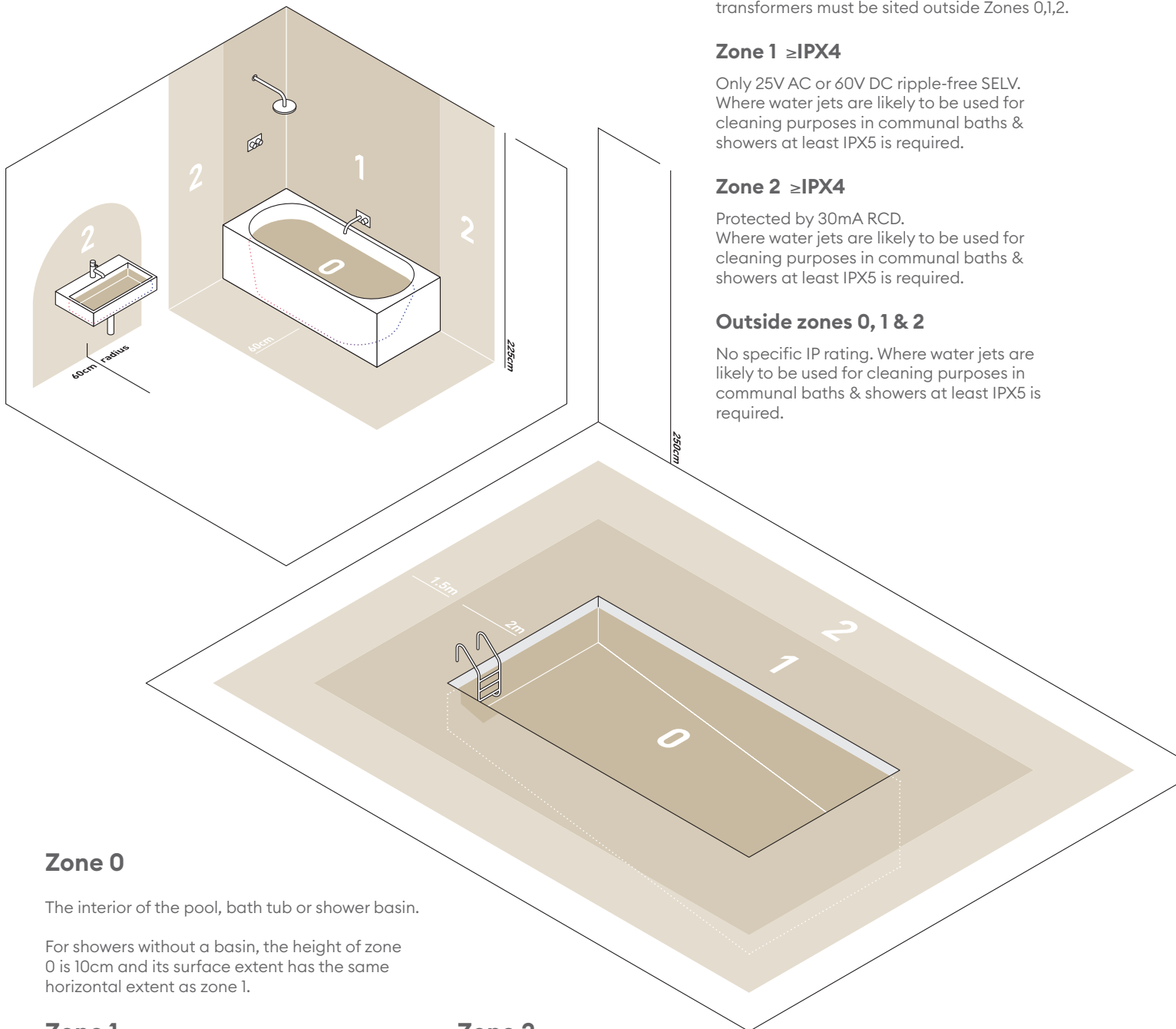
Only 25V AC or 60V DC ripple-free SELV. Where water jets are likely to be used for cleaning purposes in communal baths & showers at least IPX5 is required.

### Zone 2 $\geq$ IPX4

Protected by 30mA RCD. Where water jets are likely to be used for cleaning purposes in communal baths & showers at least IPX5 is required.

### Outside zones 0, 1 & 2

No specific IP rating. Where water jets are likely to be used for cleaning purposes in communal baths & showers at least IPX5 is required.



## Zone 0

The interior of the pool, bath tub or shower basin.

For showers without a basin, the height of zone 0 is 10cm and its surface extent has the same horizontal extent as zone 1.

## Zone 1

This is the three-dimensional space between the following boundaries:

Horizontal plane corresponding to the highest fixed shower head or water outlet or the horizontal plane lying 2.25m above the finished floor level.

Vertical plane circumscribing the bath tub or shower.

**Note:** For showers without a basin, the limiting vertical plane of zone 1 is at a distance of 1.2m from the centre point of the fixed water outlet on the wall or ceiling.

## Zone 2

This is the three-dimensional space between the following boundaries:

Horizontal plane: Between the finished floor level and the highest point of either the highest fixed shower head or water outlet or 2.25m above the finished floor level.

Vertical plane: The parallel vertical surface that is 60cm from the zone 1 border.

**Note:** For showers without a basin there is no zone 2. An increased zone 1 is provided by the horizontal height of 1.2m.

## Index

1901 Adjustable Downlight.....	65	DL490BLK5530 .....	43	FL01WXCS.....	256	GL019SQSS30F.....	175
1901 Fixed Downlight.....	64	DL490BLK5540 .....	43	FL02APCS.....	257	GL019SQSS40F.....	175
1901 Pendant.....	66	DL490BS5530 .....	43	FL02AXCS.....	257	GL019SQSS40S.....	175
1901 Rotatable Spot .....	67	DL490BS5540 .....	43	FL02BPCS.....	257	GL019SSFD22 .....	170
AIN3KCLBKGD .....	74	DL490MW5530 .....	43	FL02BXC.....	257	GL019SSFD27 .....	170
AIN3KCLBKWH.....	74	DL490MW5540 .....	43	FL02WPCS.....	257	GL019SSFD30.....	170
AIN3KCLWHGD .....	74	DLCONVERT70BS .....	50	FL02WXCS.....	257	GL019SSFD40 .....	170
AIN3KCLWHWH .....	74	DLCONVERT70CR.....	50	FL03APCS.....	259	GL019SSHM22 .....	174
AIN3KPLBKGD .....	73	DLCONVERT70MW .....	50	FL03AXCS .....	259	GL019SSHM27.....	174
AIN3KPLBKWH .....	73	DLCONVERT70WH .....	50	FL03BPCS.....	259	GL019SSHM30.....	174
AIN3KPLWHGD.....	73	DLCVTI10BLK.....	50	FL03BXC.....	259	GL019SSHM40.....	174
AIN3KPLWHWH.....	73	DLCVTI10BS .....	50	FL03WPCS.....	259	GL019SSLG22F.....	172
AIN3KWL BK.....	75	DLCVTI10CR.....	50	FL03WXCS.....	259	GL019SSLG22S.....	172
AIN3KWLWH .....	75	DLCVTI10MW.....	50	FL05APCS.....	260	GL019SSLG27F.....	172
BDLFH2 .....	68	DLCVTI10WH .....	50	FL05AXCS.....	260	GL019SSLG27S.....	172
BL01DIB27 .....	269	DLCVTI70BS.....	50	FL05BPCS.....	260	GL019SSLG30F.....	172
BL01DIB30 .....	269	DLCVTI70CR.....	50	FL05BXC.....	260	GL019SSLG30S.....	172
BL01DIB40 .....	269	DLCVTI70MW .....	50	FL05WPCS.....	260	GL019SSLG40F.....	172
BL01DIS30 .....	269	DLE4353830 .....	41	FL05WXCS.....	260	GL019SSLG40S.....	172
BL01FIB30 .....	269	DLE4353840 .....	41	FL10BXC.....	261	GL019USS22F.....	173
BL01FIS30.....	269	DLE4357030.....	41	FOUX167RGBW.....	299	GL019USS22S.....	173
BL01PIB27.....	269	DLE4357040 .....	41	GH220B.....	231	GL019USS27F.....	173
BL01PIB30 .....	269	DLE4723830.....	39	GH220D.....	231	GL019USS27S.....	173
BL01PIS27.....	269	DLE4723840.....	39	GH220Z.....	231	GL019USS30F.....	173
BL01PIS30 .....	269	DLE4727030.....	39	GL016RGBW .....	296	GL019USS30S.....	173
BL01PIS40 .....	269	DLE4727040.....	39	GL016RSS22F.....	187	GL019USS40F.....	173
BL03DIB30 .....	268	DLE5245500.....	36	GL016RSS22S.....	187	GL019USS40S.....	173
BL03DIS27 .....	268	DLE5245500EM.....	36	GL016RSS27F.....	187	GL021 27.....	213
BL03DIS30.....	268	DLE5295500.....	37	GL016RSS27S.....	187	GL021 NW.....	213
BL03FIB30 .....	268	DLESENBBEZ.....	35	GL016RSS30F.....	187	GL022 27.....	214
BL03FIS27.....	268	DLESENBBEZP.....	35	GL016RSS30S.....	187	GL022 NW.....	214
BL03FIS30 .....	268	DLESENSBEZ.....	35	GL016RSS40F.....	187	GL022 WW.....	214
BL03FIS40 .....	268	DLESENSBEZP.....	35	GL016RSS40S.....	187	GL034SS22MF.....	211
BL03PIB30 .....	268	DLESENSE.....	35	GL016SQSS27F.....	193	GL034SS22XF.....	209
BL03PIS27.....	268	DLESENWBEZ.....	35	GL016SQSS30F.....	193	GL034SS27MF.....	211
BL03PIS30 .....	268	DLESENWBEZP.....	35	GL016SQSS40F.....	193	GL034SS27XF.....	209
BL03PIS40 .....	268	DLT388BLK5530 .....	42	GL016SSFD22.....	188	GL034SS30MF.....	211
BLSAG3RDCS .....	276	DLT388BLK5540 .....	42	GL016SSFD27.....	188	GL034SS30XF.....	209
BLSAG6RDCS .....	276	DLT388BS5530 .....	42	GL016SSFD30.....	188	GL034SS40MF.....	211
BLSBK3RDCS .....	276	DLT388BS5540 .....	42	GL016SSFD40 .....	188	GL034SS40XF.....	209
BLSBK6RDCS .....	276	DLT388MW5530 .....	42	GL016SSHM22.....	192	GL038SS22MF.....	201
BLSCN3RDCS.....	276	DLT388MW5530A8 .....	42	GL016SSHM27.....	192	GL038SS22XF.....	200
BLSCN6RDCS.....	276	DLT388MW5540 .....	42	GL016SSHM30.....	192	GL038SS27MF.....	201
BOL LED BRACKET.....	270	DLT551500A.....	45	GL016SSHM40.....	192	GL038SS27XF.....	200
BOL100X30.....	273	DLT551500A8.....	44	GL016SSLG22F.....	190	GL038SS30MF.....	201
BOL101X30.....	273	DLT661600A.....	47	GL016SSLG22S.....	190	GL038SS30XF.....	200
BOL200X30 .....	274	DLT661BLKBZ .....	49	GL016SSLG27F.....	190	GL038SS40MF.....	201
BOL201X30.....	274	DLT661BSBZ .....	49	GL016SSLG27S.....	190	GL038SS40XF.....	200
BOL300X30 .....	275	DM298FP.....	51	GL016SSLG30F.....	190	GL040RSS22F.....	194
BOL301X30.....	275	DM298GRID .....	51	GL016SSLG30S.....	190	GL040RSS22S.....	194
CCDRV100DALI.....	292	DO496WW05.....	79	GL016SSLG40F.....	190	GL040RSS27F.....	194
CCDRV100DMX.....	292	DO496WW05DA.....	79	GL016SSLG40S.....	190	GL040RSS27S.....	194
CCDRV100RF.....	292	DO496WW30.....	79	GL016USS22F.....	191	GL040RSS30F.....	194
CCDRV200DALI.....	292	DO496WW30DA.....	79	GL016USS27F.....	191	GL040RSS30S.....	194
CCDRV200DMX.....	292	DO500WW05.....	78	GL016USS30F.....	191	GL040RSS40F.....	194
CCDRV200RF.....	292	DO500WW05DA.....	78	GL016USS40F.....	191	GL040RSS40S.....	194
CCDRV75DALI.....	292	DO500WW30.....	78	GL018 C 27.....	166	GL040SSFD22.....	195
CCDRV75DMX.....	292	DO500WW30DA.....	78	GL018 C AB WW.....	166	GL040SSFD27.....	195
CCDRV75RF .....	292	DO527WW05.....	76	GL018 C NW.....	166	GL040SSFD30.....	195
CCREMOTEB.....	290	DO527WW30.....	76	GL018 C WW.....	166	GL040SSFD40.....	195
CCRCONVWIFI.....	291	DO528WW05.....	76	GL018 SQ WW.....	167	GL040SSHM22.....	198
CCWALLRFB.....	290	DO528WW30.....	76	GL019E27BL.....	208	GL040SSHM27.....	198
CCWALLRFW.....	290	DO529WW05.....	77	GL019E27SS.....	208	GL040SSHM30.....	198
CF505RGBW .....	295	DO529WW30.....	77	GL019E30BL.....	208	GL040SSHM40.....	198
CO7010.....	123	DO530WW05.....	77	GL019E30SS.....	208	GL040SSLG22F.....	196
CO7020.....	123	DO530WW30 .....	77	GL019RSS22F.....	169	GL040SSLG22S.....	196
CO7ECA .....	123	DRV150700 .....	310-311	GL019RSS22S.....	169	GL040SSLG27F.....	196
CO7ECB .....	123	DRV350700TD.....	310-311	GL019RSS27F.....	169	GL040SSLG27S.....	196
CO7MB.....	123	FL01APCS.....	256	GL019RSS27S.....	169	GL040SSLG30F.....	196
COLLINGWOODRGBW APP.....	291	FL01AXCS.....	256	GL019RSS30F.....	169	GL040SSLG30S.....	196
CR575RGBW .....	295	FL01BPCS.....	256	GL019RSS30S.....	169	GL040SSLG40F.....	196
DL282WHNWDIM.....	30	FL01BXC.....	256	GL019RSS40F.....	169	GL040SSLG40S.....	196
DL282WHWWDIM .....	30	FL01WPCS.....	256	GL019RSS40S.....	169	GL040USS22F.....	197

GL040USS22S .....	197	JB6.....	322	LSNS7327050.....	148	PK30/2A/3K/W .....	91
GL040USS27F .....	197	JB7.....	322	LSNS7327100 .....	148	PK30/2A/4K/W .....	91
GL040USS27S .....	197	LED COVE PACK 1M.....	123	LSNS7330030.....	148	PK60/1A/3K/W.....	89
GL040USS30F .....	197	LED LYTE 1M EXT.....	99	LSNS7330050.....	148	PK60/1A/4K/W.....	89
GL040USS30S .....	197	LED LYTE 6 WAY EXT.....	99	LSNS7330100.....	148	PK60/2A/3K/W.....	91
GL040USS40F .....	197	LED LYTE IP 27.....	97	LSNS7340030.....	148	PK60/2A/4K/W.....	91
GL040USS40S .....	197	LED LYTE IP NW.....	97	LSNS7340050.....	148	PLD UNI-DRIVE 350MA.....	310-311
GL090RGBW.....	297	LED LYTE IP T NW.....	98	LSNS7340100.....	148	PLD UNI-DRIVE 700MA.....	310-311
GLI00SSIW22.....	176	LED LYTE IP WW.....	97	LSNS7527030.....	149	PLDM7001I.....	310-311
GLI00SSIW27.....	176	LEDRGBWEXT.....	295	LSNS7527050.....	149	PR3002.....	294
GLI00SSIW30.....	176	LLI000AT27.....	285	LSNS7530030.....	149	PR301I.....	294
GLI00SSIW40.....	176	LLI000AT30.....	285	LSNS7530050.....	149	PSI524.....	310-311
GLI00SS2O22.....	177	LLI000MT27.....	285	LSNS7540030.....	149	PS3024B.....	310-311
GLI00SS2O27.....	177	LLI000MT30.....	285	LSNS7540050.....	149	PS6501100MA.....	310-311
GLI00SS2O30.....	177	LLI000WT27.....	285	LSNTI312B2P.....	127	PS7524.....	310-311
GLI00SS2O40.....	177	LLI000WT30.....	285	LSNTI312E2P.....	127	PSDAL20024.....	310-311
GLI00SS2W22.....	177	LL500AT27.....	284	LSNTI312EC.....	127	PSDAL350M.....	310-311
GLI00SS2W27.....	177	LL500AT30.....	284	LSNTI312L2P.....	127	PSDAL700M.....	310-311
GLI00SS2W30.....	177	LL500MT27.....	284	LSNTI312MAL.....	125	PSDAL900M.....	310-311
GLI00SS2W40.....	177	LL500MT30.....	284	LSNTI312MPC.....	125	PSDIM180.....	310-311
GLI00SS3W22.....	178	LL500WT27.....	284	LSNTI312PAL.....	125	PSDIM350.....	310-311
GLI00SS3W27.....	178	LL500WT30.....	284	LSNTI312PFL.....	125	PSDIM700.....	310-311
GLI00SS3W30.....	178	LSAFD82F.....	126	LSNTI312PPC.....	125	PSDIM900.....	310-311
GLI00SS3W40.....	178	LSC0227200.....	137	LSNTI312R2P.....	127	PSDIP10024.....	310-311
GLI00SS4W22.....	179	LSC0230200.....	137	LSNTI312SS.....	127	PSIP15024.....	310-311
GLI00SS4W27.....	179	LSC0240200.....	137	LSNTI312SSF.....	127	PSIP25024.....	310-311
GLI00SS4W30.....	179	LSC0427100.....	139	LSNT7327030.....	150	PSIP35018W.....	310-311
GLI00SS4W40.....	179	LSC0430100.....	139	LSNT7327050.....	150	PSIP3509W.....	310-311
GL200AX1X30.....	184	LSC0440100.....	139	LSNT7327100.....	150	PSIP70018W.....	310-311
GL200AX2I30.....	184	LSC0527200.....	138	LSNT7330030.....	150	PSIP70036W.....	310-311
GL200AX2230.....	184	LSC0530200.....	138	LSNT7330050.....	150	PSMD3024.....	310-311
GL200AX3X30.....	185	LSC0540200.....	138	LSNT7330100.....	150	PSMDIP10024.....	310-311
GL200AX4X30.....	185	LSC0627100.....	140	LSNT7340030.....	150	RB359AB.....	49
GL200DX1X27.....	181	LSC0630100.....	140	LSNT7340050.....	150	RB359BLK.....	49
GL200DX1X30.....	181	LSC0640100.....	140	LSNT7340100.....	150	RB359BS.....	49
GL200DX1X40.....	181	LSC8227200.....	141	LSNT7527030.....	151	RB359MW.....	49
GL200DX2I27.....	181	LSC8230200.....	141	LSNT7527050.....	151	RB359PG.....	49
GL200DX2I30.....	181	LSC8240200.....	141	LSNT7530030.....	151	RB359SIL.....	49
GL200DX2I40.....	181	LSC8427400.....	144	LSNT7530050.....	151	RB359WH.....	49
GL200DX2227.....	181	LSC8430400.....	144	LSNT7540030.....	151	RB442BLK.....	49
GL200DX2230.....	181	LSC8440400.....	144	LSNT7540050.....	151	RB442BS.....	49
GL200DX2240.....	181	LSC8527400.....	143	LSP195027.....	146	RB442CR.....	49
GL200DX3X27.....	182	LSC8530400.....	143	LSP205030.....	146	RB442MW.....	49
GL200DX3X30.....	182	LSC8540400.....	143	LSP225040.....	146	RB442WH.....	49
GL200DX4X27.....	182	LSC8627400.....	145	LSR0527050.....	305	RBEZCIRCLEB.....	93
GL200DX4X30.....	182	LSC8630400.....	145	LSR0530050.....	305	RBEZCIRCLES.....	93
GL200DX4X40.....	182	LSC8640400.....	145	LSR0540050.....	305	RBEZCIRCLEW.....	93
GLTMFI47T30.....	203	LSDI2024.....	310-311	LSV0227050.....	131	RBEZHCIRCLEB.....	93
GLTMFI60T30.....	203	LSD6024.....	310-311	LSV0227500.....	131	RBEZHCIRCLES.....	93
GLTMSI19T30.....	203	LSFA0727050.....	146	LSV0230050.....	131	RBEZHCIRCLEW.....	93
GLTMSI47T30.....	203	LSFA0730050.....	146	LSV0230500.....	131	RBEZSLOTB.....	93
GLTMSI65T30.....	203	LSFA0740050.....	146	LSV0240050.....	131	RBEZSLOTW.....	93
GLTMSI93T30.....	203	LSK2208FB.....	126	LSV0240500.....	131	RBEZSLOTWS.....	93
GLTMS223T30.....	203	LSK2208LB.....	126	LSV0527050.....	132	RP28020.....	122
GLTXS119RGBW.....	302	LSK2208SD.....	126	LSV0527500.....	132	RP7010.....	122
GLTXS147RGBW.....	302	LSK2208SS.....	126	LSV0530050.....	132	RP7020.....	122
GLTXS165RGBW.....	302	LSK2210FB.....	126	LSV0530500.....	132	RP7ECA.....	122
GLTXS193RGBW.....	303	LSK2210LB.....	126	LSV0540050.....	132	RP7ECB.....	122
GLTXS223RGBW.....	303	LSK2210SD.....	126	LSV0540500.....	132	SBEZCIRCLEB.....	93
GS220B.....	231	LSK2210SS.....	126	LSV4227050.....	134	SBEZCIRCLES.....	93
GS220D.....	231	LSNSI217B2P.....	127	LSV4230050.....	134	SBEZCIRCLEW.....	93
GS220Z.....	231	LSNSI217E2P.....	127	LSV4240050.....	134	SBEZHCIRCLEB.....	93
H2D1BLKBLK.....	33	LSNSI217EC.....	127	LSV4527050.....	135	SBEZHCIRCLES.....	93
H2D1BLKWHI.....	32	LSNSI217L2P.....	127	LSV4530050.....	135	SBEZHCIRCLEW.....	93
H2DIWHIWHI.....	31	LSNSI217MAL.....	124	LSV4540050.....	135	SBEZSLOTB.....	93
H2EXTIA.....	34	LSNSI217MPC.....	124	ML01 27.....	96	SBEZSLOTW.....	93
H2EXTIB.....	34	LSNSI217PAL.....	124	ML01 NW.....	96	SBEZSLOTWS.....	93
H2EXTIW.....	34	LSNSI217PFL.....	124	ML01 WW.....	96	SL030 F 27.....	222
JB1.....	322	LSNSI217PPC.....	124	OUI3624.....	277	SL030 F NW.....	222
JB2.....	322	LSNSI217R2P.....	127	OUI3824.....	279	SL030 F WW.....	222
JB3.....	322	LSNSI217SS.....	127	PDCINTI-10V.....	310-311	SL040A F 27.....	223
JB4.....	322	LSNSI217SSF.....	127	PK30/1A/3K/W.....	89	SL040A F WW.....	223
JB5.....	322	LSNS7327030.....	148	PK30/1A/4K/W.....	89	SL040A S 27.....	223

## Index

SL040A S NW.....	223	TR22130.....	104, 105	WA23382.....	85
SL040A S WW.....	223	TR22131.....	104, 105	WA23383.....	85
SLI3027.....	222	TR22330.....	104, 105	WA23405.....	81
SLI3030.....	222	TR22331.....	104, 105	WA23406.....	81
SLI3040.....	222	TR22430.....	104, 105	WA23408.....	81
SLI30ZMBX27.....	222	TR22431.....	104, 105	WA23430.....	81
SLI30ZMBX30.....	222	TR22530.....	104, 105	WA23483.....	81
SL220SS22MF.....	225	TR22531.....	104, 105	WC 5-9.....	322
SL220SS22MS.....	225	TR22630.....	104, 105, 111	WCR 275 BLACK.....	323
SL220SS22XF.....	224	TR22631.....	104, 105, 111	WCR 375 BLACK.....	323
SL220SS22XS.....	224	TR22830.....	104, 105, 111	WL012G30.....	251
SL220SS27MF.....	225	TR22831.....	104, 105, 111	WL012X30.....	251
SL220SS27MS.....	225	TR22930.....	104, 105, 111	WL041 IP NW.....	95
SL220SS27XF.....	224	TR22931.....	104, 105, 111	WL041 IP WW.....	95
SL220SS27XS.....	224	TR23030.....	104, 105, 111	WL060 NW.....	250
SL220SS30MF.....	225	TR23031.....	104, 105, 111	WL060 WW.....	250
SL220SS30MS.....	225	TR23130.....	104, 105, 111	WL070BNBM27.....	247
SL220SS30XF.....	224	TR23131.....	104, 105, 111	WL070BNBM30.....	247
SL220SS30XS.....	224	TR23230.....	104, 105, 111	WL070BNBM40.....	247
SL220SS40MF.....	225	TR23231.....	104, 105, 111	WL070CNBM27.....	247
SL220SS40MS.....	225	TR23530.....	104, 105	WL070CNBM30.....	247
SL220SS40XF.....	224	TR23531.....	104, 105	WL070RGBW.....	304
SL220SS40XS.....	224	TR23630.....	104, 105	WL070SNBM27.....	247
SL230BWBWM27.....	229	TR23631.....	104, 105	WL070SNBM30.....	247
SL230BWBWM30.....	229	TR23730.....	104, 105, 110	WL070SNBM40.....	247
SL230BWBX27.....	228	TR23731.....	104, 105, 110	WL070ZNBW27.....	247
SL230BWBX30.....	228	TR23830.....	104, 105, 110	WL070ZNBW30.....	247
SL230DWBWM27.....	229	TR23831.....	104, 105, 110	WL075BNBM27.....	249
SL230DWBWM30.....	229	TR43305.....	107	WL075BNBM30.....	249
SL230DWBX30.....	228	TR43330.....	107	WL075BNBM40.....	249
SL230ZWBWM30.....	229	TR43405.....	109	WL075SNBM27.....	249
SL230ZWBX27.....	228	TR43430.....	109	WL075SNBM30.....	249
SL230ZWBX30.....	228	TUBE/50.....	202	WL075SNBM40.....	249
SLM230SHA30.....	227	TUBE/68.....	202	WL075ZNBW27.....	249
SLM230SHB30.....	227	TUBE332.....	202	WL075ZNBW30.....	249
SLX230SHA30.....	226	UL010RGBW.....	300	WL160 27.....	250
SLX230SHB30.....	226	UL010SS22XF.....	241	WL160 NW.....	250
SM28010.....	122	UL010SS27XF.....	241	WL160 WW.....	250
SM28020.....	122	UL010SS30XF.....	241	WL220SS22MF.....	248
SM28ECA.....	122	UL010SS40XF.....	241	WL220SS22MS.....	248
SM28MB.....	122	UL030RGBW.....	301	WL220SS27MF.....	248
SM7010.....	122	UL030SS22XF.....	240	WL220SS27MS.....	248
SM7020.....	122	UL030SS22XS.....	240	WL220SS30MF.....	248
SM7ECA.....	122	UL030SS27XF.....	240	WL220SS30MS.....	248
SM7ECB.....	122	UL030SS27XS.....	240	WL220SS40MF.....	248
SM7LC.....	122	UL030SS30XF.....	240	WL220SS40MS.....	248
SM7MA.....	122	UL030SS30XS.....	240	WL339WW.....	215
SP5027.....	153	UL030SS40XF.....	240	WL340AB27.....	216
SP5030.....	153	UL030SS40XS.....	240	WL340ABWW.....	216
SP5040.....	153	UY2 CONNECTOR.....	323	WL340WW.....	216
SPYA3DCS.....	232	WA169WW30.....	88	WL341NW.....	217
SPYA3FCS.....	232	WA23002.....	83	WL341WW.....	217
SPYA6DCS.....	233	WA23005.....	83	WL34227.....	219
SPYA6FCS.....	233	WA23006.....	83	WL342AB27.....	219
SPYB3DCS.....	234	WA23008.....	83	WL342AB30.....	219
SPYB3FCS.....	234	WA23030.....	83	WL342NW.....	219
SPYB6DCS.....	235	WA23049.....	83	WL342WW.....	219
SPYB6FCS.....	235	WA23082.....	83		
SQB360BLK.....	49	WA23083.....	83		
SQB360MW.....	49	WA23202.....	84		
SQB360PG.....	49	WA23205.....	84		
SQB360SIL.....	49	WA23206.....	84		
STEPBEAM30.....	92	WA23208.....	84		
SUI6002.....	87	WA23230.....	84		
SUI6005.....	87	WA23249.....	84		
SUI6006.....	87	WA23282.....	84		
SUI6008.....	87	WA23283.....	84		
SUI6030.....	87	WA23302.....	85		
SUI6049.....	87	WA23305.....	85		
SUI6082.....	87	WA23306.....	85		
SUI6083.....	87	WA23308.....	85		
TR22030.....	104, 105	WA23330.....	85		
TR22031.....	104, 105	WA23349.....	85		



## Collingwood Lighting Limited terms and conditions of trading

### 1. Interpretation

- 1.1 In these Conditions the following words have the following meanings:  
"Buyer" the person(s), firm or company from whom an order to supply Goods is received by the Company;  
"Buyer Materials" any documents or other materials and any data or other information provided by the Buyer relating to the Goods;  
"Company" Collingwood Lighting Limited, a company incorporated in England and Wales (company number 900626) whose registered office is at Brooklands House, Sywell Aerodrome, Sywell, Northampton, NN16 0BT.  
"Company Materials" any documents or other materials, and any data or other information provided by the Company relating to the Goods;  
"Conditions" the standard terms and conditions of sale as set out in this document together with any special terms and conditions agreed in writing between the Buyer and the Company.  
"Contract" any contract between the Company and the Buyer for the sale of Goods;  
"Delivery Point" the place where delivery of the Goods is to take place under Condition 4.1;  
"Goods" any goods (or parts thereof) to be supplied to the Buyer by the Company.  
1.2 In these Conditions: references to any statute or statutory provision shall, unless the context otherwise requires, be construed as a reference to that statute or statutory provision as from time to time amended, consolidated, modified, extended, re-enacted or replaced; references to the masculine include the feminine and the neuter and to the singular include the plural and vice versa as the context requires; and headings will not affect the construction of these Conditions.

### 2. Application of terms

- 2.1 These Conditions apply to all the Company's sales of Goods and any variation to these Conditions and any representations about the Goods shall have no effect unless expressly agreed in writing and signed by a director of the Company.  
2.2 No terms or conditions endorsed upon, delivered with or contained in the Buyer's purchase order, confirmation of order or other document will form part of the Contract simply as a result of such document being referred to in the Contract.  
2.3 Each order for Goods by the Buyer from the Company shall be deemed to be an offer by the Buyer to purchase Goods subject to these Conditions.  
2.4 Orders should be in writing, and should state the Buyer's relevant order number. Verbal orders will be accepted but the Buyer will be responsible for any errors of description or quantity or date of delivery in Goods supplied thereunder.  
2.5 No order placed by the Buyer shall be deemed to be accepted by the Company until the Company issues a written acknowledgement or (if earlier) the Company delivers the Goods to the Buyer.  
2.6 The Buyer must ensure that the terms of any order or related document are complete and accurate.  
2.7 Unless otherwise stated any quotation is valid for a period of 30 days only from its date, provided that the Company has not previously withdrawn it.  
2.8 A credit limit applies to every account and will be disclosed on request or will be automatically disclosed if the Buyer's order would cause the credit limit to be exceeded.

### 3. Description

- 3.1 The description of the Goods shall be as set out in the Company's price list.  
3.2 All descriptive matter and advertising issued by the Company and any descriptions or illustrations contained in the Company's documentation are issued or published for the sole purpose of giving an approximate idea of the Goods described in them. They will not form part of this Contract.  
3.3 The Buyer should always ensure that the Goods ordered are suitable for the intended purpose before commencing installation, bulk production or investment in tooling.

### 4. Delivery

- 4.1 Unless otherwise agreed in writing by the Company delivery of the Goods shall take place at the address detailed in the Buyer's order.  
4.2 Any dates specified by the Company for delivery of the Goods are intended to be an estimate and time for delivery shall not be made of the essence by notice.  
4.3 Subject to the other provisions of these Conditions the Company will not be liable for any loss (including loss of profit), costs, damages, charges or expenses caused directly or indirectly by any delay in the delivery of the Goods (even if caused by the Company's negligence), nor will any delay entitle the Buyer to terminate the Contract.  
4.4 If for any reason the Buyer will not accept delivery of any of the Goods, or the Company is unable to deliver the Goods on time because the Buyer has not provided appropriate instructions, documents, licences or authorisations: risk in the Goods will pass to the Buyer (including loss or damage caused by negligence); the Goods will be deemed to have been delivered; and the Company may store the Goods until delivery whereupon the Buyer will be liable for all related costs and expenses (including without limitation storage and insurance).  
4.5 The Buyer will provide at its expense at the Delivery Point adequate and appropriate equipment and manual labour for loading the Goods.  
4.6 The Company may deliver the Goods by instalments and each instalment shall be treated as a separate Contract so that failure to deliver or defect in one or more instalment shall not entitle the Buyer to reject the other instalments.

### 5. Non-Delivery

- 5.1 The quantity of any consignment of Goods as recorded by the Company upon despatch from the Company's place of business shall be conclusive evidence of the quantity received by the Buyer.  
5.2 The Company shall not be liable for any non-delivery of Goods (even if caused by the Company's negligence) unless written notice is given to the Company within 3 days of the date when the Goods would in the ordinary course of events have been received.  
5.3 Any liability of the Company for non-delivery of the Goods shall be limited to replacing the Goods within a reasonable time or issuing a credit note at the pro rata Contract rate against any invoice raised for such Goods.

### 6. Risk/Title

- 6.1 The Goods are at the risk of the Buyer from the time of delivery.  
6.2 Ownership of the Goods shall not pass to the Buyer until the Company has received in full (in cash or cleared funds) all sums due to it from the Buyer on any account.  
6.3 Until ownership of the Goods has passed to the Buyer, the Buyer must: hold the Goods on a fiduciary basis as the Company's bailee; store the Goods (at no cost to the Company) separately from all other goods in such a way that they remain readily identifiable as the Company's property; not destroy, deface or obscure any identifying mark or packaging on or relating to the Goods; maintain the Goods in satisfactory condition insured on the Company's behalf for their full price against all risks to the reasonable satisfaction of the Company. (On request the Buyer shall produce the policy of insurance to the Company and hold the proceeds of the insurance referred to in on trust for the Company and not mix them with any other money, nor pay the proceeds into an overdrawn bank account).  
6.4 The Buyer may resell the Goods before ownership has passed to it on the following conditions:  
6.4.1 any sale shall be effected in the ordinary course of the Buyer's business at full market value; and  
6.4.2 any such sale shall be a sale of the Company's property on the Buyer's own behalf and the Buyer shall deal as principal when making such a sale.  
6.5 If the Buyer resells any of the Goods on a retail basis it will be responsible for complying with all applicable laws and for the provision of proper labels and instructions as required by the Department of Trade and Industry and/or any other authority for the time being empowered to make any requirements as to the sale or installation of such Goods.  
6.6 The Buyer's right to possession of the Goods shall terminate immediately if:  
6.6.1 the Buyer has a bankruptcy order made against him or makes an arrangement or composition with his creditors, or otherwise takes the benefit of any relief for insolvent debtors, or (being a body corporate) convenes a meeting of creditors (whether formal or informal), or enters into liquidation except a solvent voluntary liquidation for the purpose of reconstruction or amalgamation, or has a receiver and/or manager, administrator or administrative receiver appointed of its undertaking or any part thereof, or a resolution is passed or a petition presented to any court for the winding up of the Buyer or for the granting of an administration order in respect of the Buyer, or any proceedings are commenced relating to the insolvency or possible insolvency of the Buyer; or  
6.6.2 the Buyer suffers or allows any execution, whether legal or equitable, to be levied on his/its property or obtained against him/it, or fails to observe/performs any of his/its obligations under the Contract or any other contract between the Company and the Buyer, or is unable to pay its debts within the meaning of section 123 of the Insolvency Act 1986 or the Buyer ceases to trade; or  
6.6.3 the Buyer encumbers or in any way charges any of the Goods.  
6.7 The Company shall be entitled to recover payment for the Goods notwithstanding that ownership of any of the Goods has not passed from the Company.  
6.8 The Buyer grants the Company, its agents and employees an irrevocable licence at any time to enter any premises where the Goods are or may be stored in order to inspect them, or, where the Buyer's right to possession has terminated, to recover them.

### 7. Price

- 7.1 Unless otherwise agreed by the Company in writing (and except in cases of obvious error) the price for the Goods shall be the price set out in the Company's price list as in force at the date of invoice.  
7.2 Where the Company and the Buyer agree a discount in respect of the Company's price list any such discount will only apply where confirmed by the Company in writing and where payment is received from the Buyer in full within 14 days of it falling due.  
7.3 If the Buyer is paying for Goods on a "pro-forma" basis (whether due to slow payment or otherwise) no discount to the price stated in the Company's price list will apply notwithstanding any prior arrangement to the contrary unless the discount is confirmed by a director of the Company in writing.  
7.4 The Company reserves the right, by giving notice to the Buyer to increase the price of the Goods to reflect any increase in the cost to the Company which is due to any factor beyond the control of the Company, any change in delivery dates or quantities specified by the Buyer or any delay caused by the instructions of the Buyer or failure of the Buyer to provide adequate information or instructions.  
7.5 The price for the Goods shall be exclusive of any value added tax which shall be paid at the rate and in the manner for the time being provided by law.  
7.6 Carriage will be paid by the Company on Goods bought in accordance with its current conditions for delivery on the UK mainland. Further charges may apply where alternative delivery terms are agreed.  
7.7 A handling charge of £5.50 will be added to orders with a Goods value of less than the current minimum order value stipulated by the Company's sales office from time to time.  
7.8 Invoices credited as a result of Buyer error will attract a service charge of 15% if returned within 21 days. Between 22 days and 3 months a charge of 30% will apply.

### 8. Payment

- 8.1 The price for Goods is due within 30 days of the end of the month in which it is invoiced unless specified differently on the invoice. Time for payment shall be of the essence.  
8.2 No payment shall be deemed to have been received until the Company has received cleared funds.  
8.3 All payments payable to the Company under the Contract shall become due immediately upon termination of this Contract despite any other provision.  
8.4 The Buyer shall make all payments due under the Contract without any deduction whether by way of set-off, counterclaim, discount, abatement or otherwise unless the Buyer has a valid court order requiring an amount equal to such deduction to be paid by the Company to the Buyer.  
8.5 If the Buyer fails to pay the Company any sum due pursuant to the Contract the Buyer will be liable to pay interest to the Company on such sum from the due date for payment at the annual rate of 5% above the base lending rate published from time to time by the Bank of England, accruing on a daily basis until payment is made, whether before or after any judgment.

### 9. Quality

- 9.1 The Company warrants that (subject to the other provisions of these Conditions) upon delivery, the Goods will be of satisfactory quality within the meaning of the Sale of Goods Act 1979.  
9.2 The Company shall not be liable for a breach of the warranty in Condition 9.1 unless: the Buyer gives written notice of the defect to the Company, and (if the defect is as a result of damage in transit) to the carrier, within 14 days of delivery; and the Company is given a reasonable opportunity after receiving the notice of examining such Goods and the Buyer (if asked to do so by the Company) returns such Goods to the Company's place of business at the Buyer's expense for the examination to take place.  
9.3 The Company shall not be liable for a breach of the warranty in Condition 9.1 if the Buyer makes any further use of such Goods after giving such notice; or the defect arises because the Buyer failed to follow the Company's oral or written instructions as to the storage, installation, commissioning, use or maintenance of the Goods or (if there are none) good trade practice; or the Buyer alters or repairs such Goods without the written consent of the Company.  
9.4 Subject to Conditions 9.2 and 9.3, if any of the Goods do not conform with the warranty in Condition 9.1 the Company shall at its option repair or replace such Goods (or the defective part) or refund the price of such Goods at the pro rata Contract rate provided that, if the Company so requests, the Buyer shall, at the Buyer's expense, return the Goods or the part of such Goods which is defective to the Company.  
9.5 If the Company complies with Condition 9.4 it shall have no further liability for a breach of the warranty in Condition 9.1 in respect of such Goods.  
9.6 Where a defect is discovered the Buyer will inform the Company immediately notwithstanding the expiry of the warranty period in Condition 9.2.

### 10. Limitation of liability (the buyer's attention is drawn to the provisions of this condition)

- 10.1 Subject to Condition 9, the following provisions of this Condition 10 set out the entire financial liability of the Company (including any liability for the acts or omissions of its employees, agents and sub-contractors) in respect of any breach of these Conditions and any representation, statement or tortious act or omission including negligence arising under or in connection with the Contract.  
10.2 All terms implied by statute or common law (save for the conditions implied by section 12 of the Sale of Goods Act 1979) are, to the fullest extent permitted by law, excluded from the Contract.  
10.3 Nothing in these Conditions excludes or limits the liability of the Company for death or personal injury caused by the Company's negligence or for fraudulent misrepresentation.  
10.4 Subject to Conditions 10.2 and 10.3:  
10.4.1 the Company's total liability in contract, tort (including negligence or breach of statutory duty), misrepresentation or otherwise, arising in connection with the performance or contemplated performance of this Contract shall be limited to the price paid by the Buyer; and  
10.4.2 the Company shall not be liable to the Buyer for any indirect or consequential loss or damage (whether for loss of profit, loss of business, depletion of goodwill or otherwise), costs, expenses or other claims for consequential compensation (howsoever caused) which arise out of or in connection with the Goods.  
10.5 The Buyer warrants that any installation of the Goods will be performed by properly trained staff and agrees that it shall be solely responsible for any use to which the Goods are put after delivery.

### 11. Intellectual property

- 11.1 The property and any copyright or other intellectual property rights in any Buyer Materials shall belong to the Buyer and any Company Materials shall, unless otherwise agreed in writing between the Buyer and the Company, belong to the Company, subject only to a licence in favour of the Buyer to use the Company Materials for the purposes of receiving the Goods.

### 12. Force majeure

- 12.1 The Company reserves the right to defer the date of delivery or to cancel the Contract or reduce the volume of the Goods ordered by the Buyer (without liability to the Buyer) if it is prevented from or delayed in the carrying on of its business due to circumstances beyond the reasonable control of the Company including, without limitation, acts of God, governmental actions, war or national emergency, riot, civil commotion, fire, explosion, flood, epidemic, lock-outs, strikes or other labour disputes (whether or not relating to either party's workforce), or restraints or delays affecting carriers or inability or delay in obtaining supplies of adequate or suitable materials.

### General

- 13 Each right or remedy of the Company under the Contract is without prejudice to any other right or remedy of the Company whether under the Contract or not.  
13.1 If any provision or part of a provision of the Contract is found by any court or other body of competent jurisdiction to be illegal, invalid, void, voidable, unenforceable or unreasonable it shall be deemed severable and the remaining provisions of the Contract and the remainder of such provision shall continue in full force and effect.  
13.2 Failure or delay by the Company in enforcing or partially enforcing any provision of the Contract will not be construed as a waiver of any of its rights under the Contract. Any waiver by the Company of any breach of, or any default under, any provision of the Contract by the Buyer will not be deemed a waiver of any subsequent breach or default and will in no way affect the other terms of the Contract.  
13.3 The parties to this Contract do not intend that any term of this Contract will be enforceable by virtue of the Contracts (Rights of Third Parties) Act 1999 by any person that is not a party to it.  
13.4 The Buyer shall not be entitled to assign the Contract or any part of it without the prior written consent of the Company. The Company may assign the Contract or any part of it to any person, firm or company.  
13.5 The formation, existence, construction, performance, validity and all aspects of the Contract shall be governed by English law and the parties submit to the exclusive jurisdiction of the English courts.  
13.6



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