



2023



**MARINO CRISTAL SPA**

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**AMBIENTE**  
**ENVIRONMENT**

**TECNOLOGIA**  
**TECHNOLOGY**

**AFFIDABILITA'**  
**RELIABILITY**



**AMBIENTE**

Il rispetto dell'ambiente è alla base della filosofia aziendale nel campo dei led.

Questo tipo di sorgente luminosa permette di risparmiare fino al 90% di energia rispetto ad una lampadina tradizionale e con una durata fino a 25 volte maggiore.

Grazie a tutto questo ne consegue una drastica riduzione delle emissioni di CO<sub>2</sub> nell'aria ed un numero nettamente inferiore di lampadine da smaltire a fine vita.

Sempre protesa al miglioramento, l'azienda investe in ricerca e sviluppo per potere offrire sul mercato un prodotto al passo con i tempi.



**ENVIRONMENT**

*Respect for environment is the cornerstone of the company's philosophy.*

*LED sources allow to save up to 90% of the energy, if compared to traditional bulbs, and ensure a 25 times longer life.*

*Thanks to all this, the environment can benefit of a drastic reduction of carbon dioxide emissions (CO<sub>2</sub>) and a notable decrease of the number of bulbs to be disposed of.*

*Continuously aiming at improving itself, the company invests in research and development in order to be able to always place on the market an updated product.*



**TECNOLOGIA**

Usiamo le ultimissime tecnologie per realizzare ed offrire un prodotto sempre all'avanguardia e che soddisfi le esigenze dei consumatori.

Soluzioni, studiate appositamente per garantire il mantenimento del flusso luminoso ed una lunga durata, sono state sviluppate dopo anni di esperienze dirette.

In particolare, la cool technology permette di mantenere la temperatura sul led al di sotto di soglie critiche che causerebbero il rapido degrado in termini di luminosità e di vita.

Tutto questo si riassume in una gamma con prestazioni ad alto livello.



**TECHNOLOGY**

*During the production process, the latest available technologies are used in order to offer an advanced product which meets the customers' requirements.*

*Solutions properly studied to guarantee the luminous output maintenance and long life have been developed over the years, through direct involvement in the whole production process.*

*Particularly important it's the COOL TECHNOLOGY which allows to maintain the LED temperature below the critical thresholds which would cause a very quick drop in terms of luminous output and life.*

*All this is summarized by a range with very high performances.*



**AFFIDABILITA'**

L'affidabilità è la base delle nostre gamme all'interno della grande famiglia dei led unanimamente riconosciuta come una delle più complete sul mercato.

Pro, Std, Eco sono le tre gamme che vanno incontro a tutte le esigenze del mercato.

PRO\_\_ caratterizzata da alte prestazioni in termini di illuminamento e durata (4 anni di garanzia) ed indicata per un uso intenso.

STD\_\_ una gamma che offre un ottimo compromesso in termini di performance e costi, adatta sia all'illuminazione civile che professionale (3 anni di garanzia).

ECO\_\_ la gamma più ampia per il mercato consumer, offre una molteplice scelta di lampade per il relamping della casa e quant'altro (2 anni di garanzia).



**RELIABILITY**

*Reliability is a key point which identifies our range, unanimously considered as one of the most complete on the market.*

*PRO, STD, ECO, are the three ranges which are able to satisfy all market's requests. PRO\_\_ characterized by high performances in terms of luminous output and life (4 years warranty), it's suitable for prolonged use.*

*STD\_\_ it's a range which offers an excellent compromise in terms of performance and costs. It's suitable for both residential and professional lighting (3 years warranty)*

*ECO\_\_ it's the widest range for the consumer market and it offers an extensive choice of bulbs for home or other areas where re-lamping is required (2 years warranty)*

**ERP** Energy related products EU 2019/2020  
(Conforme/compliant) EU 2019/2015

**RoHS** RoHS (Conforme/compliant)

**REACH** REACH (Conforme/compliant)

**CE** Tutte le nostre lampade sono state costruite  
in conformità alle norme di sicurezza europee.  
*All our lamps have been manufactured  
in accordance with European safety standards.*

Tutte le lampade devono essere smaltite presso  
gli appositi Centri Raccolta.  
*All lamps must be disposed of through the  
relative dedicated centers.*

Non smaltire i RAEE come rifiuti urbani.  
Sono previste sanzioni in caso di smaltimento abusivo.  
*Do not treat WEEE as urban garbage. Fines are  
applicable for wrong disposal of WEEE.*

**UV STOP** No emissioni raggi UV  
UV stop

**No infra-red** No raggi infrarossi.  
No infra-red

**Adatto per installazione su mobili**  
Suitable for installation on furniture

**Doppio isolamento-Class II**  
Double insulation-Class II

**SELV** Sicurezza per la bassissima tensione  
Safety extra-low voltage

**Protetto contro corto circuiti**  
Short-circuit protection

**Non Dimmerabile**  
Not Dimmable

**Luce a 270 gradi**  
270 degree light

**Bassa Pressione**  
Low Pressure

**CRI 80** Indice di resa cromatica  
Color rendering index

**PF 0,55** Fattore di potenza  
Power Factor

**€** Cambia risparmiando  
Save by replacing

**INSTANT** Accensione immediata  
Instant full light

**20000** Numero cicli accensioni:20000  
Switching cycles:20000

**Hg** No mercurio  
No mercury

**CC** Consistenza Temperatura Colore  
Colour Temperature Consistency

**2** 2 Anni garanzia  
2 YEARS Warranty

**3** 3 Anni garanzia  
3 YEARS Warranty

**4** 4 Anni garanzia  
4 YEARS Warranty

**5** 5 Anni garanzia  
5 YEARS Warranty

**20000** Durata 20000 ore  
20000hrs Long Life

**35000** Durata 35000 ore  
35000hrs Long Life

**40000** Durata 40000 ore  
40000hrs Long Life

**LLMF** Fattore di mantenimento a fine  
vita nominale  
LLMF at the end of nominal life

**LAMP SURVIVAL** Fattore sopravvivenza lampada  
Lamp survival factor

**Alta efficienza**  
High efficiency



La vita delle lampade LED potrebbe essere compromessa se installate in apparecchi completamente stagni con scarsa aerazione.  
In quel caso sono consigliati bassi wattaggi.

LED lamps' life could be compromised if installed in waterproof fittings with low ventilation. Lower wattages are recommended.

**PRO+** QR18LED DIMMERABILE



QR18LED DIMMERABILE



**PRO+**

Lista dimmers compatibili (QR18LED DIMMERABILE 18W)  
 Dimmer compatibility list (QR18LED DIMMABLE 18W)



-I dimmers di tipo trailing-edge sono comunque preferibili al tipo leading-edge.

-Trailing-edge dimmers are definitely more suitable than leading-edge ones.

| N° | Produttore<br>Manufacturer | Modello<br>Model        | Max Ampere (RMS)<br>Max Bulbs (W) |
|----|----------------------------|-------------------------|-----------------------------------|
| 1  | ARQUITTA SPA               | 8881 3T                 | 2                                 |
| 2  | AURORA                     | EN-D2P40X               | 5                                 |
| 3  | AURORA                     | AG-D2P40X               | 5                                 |
| 4  | ALED                       | EasyDimmer 200          | 4                                 |
| 5  | ALED                       | EasyDimmer 320          | 4                                 |
| 6  | Bosone                     | MATDK AMS702            | 5                                 |
| 7  | British General            | DPH00AP                 | 4                                 |
| 8  | Chin                       | CHS165-RS9P22           | 4                                 |
| 9  | Daliers                    | DQD40TM-400W            | 4                                 |
| 10 | ELKO                       | 315QL8                  | 4                                 |
| 11 | Endor                      | 15.51                   | 2                                 |
| 12 | Endor                      | 15.81                   | 2                                 |
| 13 | Fager                      | GC1817                  | 3                                 |
| 14 | Fager                      | GC1517                  | 3                                 |
| 15 | Hamberlin                  | TA-XLED178100           | 4                                 |
| 16 | Hambrook                   | LFT3TAT14002 VERD2      | 5                                 |
| 17 | Knightsbridge              | VFR200R                 | 4                                 |
| 18 | Legrand                    | 47081                   | 3                                 |
| 19 | LIVOLO                     | 3H2442A2                | 3                                 |
| 20 | LORION                     | 79387s                  | 5                                 |
| 21 | LK                         | 30A021F                 | 4                                 |
| 22 | LK                         | FUGA LED30 TOUCH        | 4                                 |
| 23 | ME                         | 5007401-081             | 3                                 |
| 24 | Orion                      | 57072B1                 | 3                                 |
| 25 | prime                      | ND8AA5                  | 5                                 |
| 26 | RELCO                      | SNELLO LED-T35          | 3                                 |
| 27 | RELCO                      | RH-SNELLO-T35           | 3                                 |
| 28 | RELCO                      | 8PMS40                  | 5                                 |
| 29 | RELCO                      | RTS-HOLT                | 3                                 |
| 30 | Rav                        | ET1440128               | 5                                 |
| 31 | SAL                        | S003402L                | 4                                 |
| 32 | TECHNEL                    | PLO7614P                | 3                                 |
| 33 | TECHNEL                    | TE44893B                | 2                                 |
| 34 | TRANCO                     | Dim-L138                | 3                                 |
| 35 | Wetson                     | DIMAX 344 PLUS          | 5                                 |
| 36 | Univis                     | 50813                   | 5                                 |
| 37 | VICOM                      | 14073AB2                | 3                                 |
| 38 | VIK200P                    | Trailing Edge 2WAY-PUSH | 5                                 |
| 39 | VIKO                       | 804040                  | 5                                 |
| 40 | VARIABLE LIGHT             | IQP601W                 | 4                                 |
| 41 | Yoko                       | PTV5002                 | 4                                 |
| 42 | Zahn                       | ZMS250                  | 3                                 |



12°



30°

12°



30°

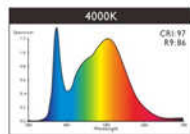
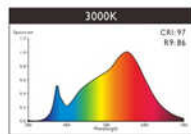
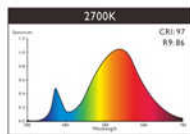


# PRO+ QR18LED DIMMERABILE

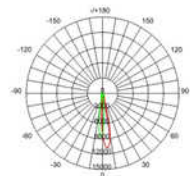


## QR18LED DIMMERABILE

| codice | W  | W        | V       | attacco | colore | lumen360°/cd | lumen90° | fascio | imballo |
|--------|----|----------|---------|---------|--------|--------------|----------|--------|---------|
| code   | W  | W        | V       | base    | colour | lumen360°/cd | lumen90° | beam   | packing |
| 21698  | 18 | 162(ERP) | 220-240 | GU10    | 2700°K | 1500/10298   | 1320     | 12°    | 10/50   |
| 21700  | 18 | 167(ERP) | 220-240 | GU10    | 3000°K | 1550/10813   | 1350     | 12°    | 10/50   |
| 21702  | 18 | 174(ERP) | 220-240 | GU10    | 4000°K | 1600/11353   | 1400     | 12°    | 10/50   |



12°



| High | Diameter | Emax     |
|------|----------|----------|
| 1m   | 0.22 m   | 10690 lx |
| 2m   | 0.42 m   | 2673 lx  |
| 3m   | 0.63 m   | 1188 lx  |
| 4m   | 0.84 m   | 668 lx   |
| 5m   | 1.05 m   | 427 lx   |

- Elevata qualità della luce e relativo comfort ambientale
- Eccellente compatibilità con i dimmers in commercio
- Range dimmerazione >80%
- L70BS0\_40000 ore
- Ottimo parametro deviazione temperatura colore(SDCM<3)
- Alto indice di resa cromatica(CRI 97)
- Alto Indice rosso saturo(R9-B6)
- Ridottissimo effetto strobo(SVM:0.009)
- Privo di flicker visibile (AC ripple frequency <10%)
- Preciso controllo del fascio luminoso
- Garanzia 5 Anni

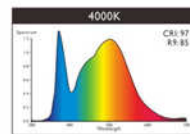
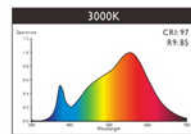
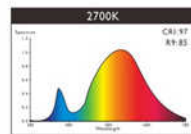
- High quality of light and relative ambient comfort
- Excellent dimming compatibility.
- Dimming range >80%
- L70BS0\_40000 hrs
- Good Standard Deviation Colour Matching (SDCM<3)
- High Colour Rendering Index (CRI 97)
- High saturated red colour index (R9-B6)
- Very low strobo effect (SVM:0.009)
- Flicker free (AC ripple frequency <10%)
- Precise beam angle
- 5 YEARS Warranty

# PRO+ QR18LED DIMMERABILE

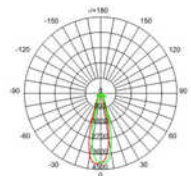


## QR18LED DIMMERABILE

| codice | W  | W        | V       | attacco | colore | lumen360°/cd | lumen90° | fascio | imballo |
|--------|----|----------|---------|---------|--------|--------------|----------|--------|---------|
| code   | W  | W        | V       | base    | colour | lumen360°/cd | lumen90° | beam   | packing |
| 21699  | 18 | 167(ERP) | 220-240 | GU10    | 2700°K | 1550/3947    | 1350     | 30°    | 10/50   |
| 21701  | 18 | 174(ERP) | 220-240 | GU10    | 3000°K | 1600/4145    | 1400     | 30°    | 10/50   |
| 21703  | 18 | 182(ERP) | 220-240 | GU10    | 4000°K | 1650/4352    | 1450     | 30°    | 10/50   |



30°



| High | Diameter | Emax    |
|------|----------|---------|
| 1m   | 0.5 m    | 4125 lx |
| 2m   | 1 m      | 1031 lx |
| 3m   | 1.5 m    | 458 lx  |
| 4m   | 2 m      | 257 lx  |
| 5m   | 2.5 m    | 165 lx  |

- Elevata qualità della luce e relativo comfort ambientale
- Eccellente compatibilità con i dimmers in commercio
- Range dimmerazione >80%
- L70BS0\_40000 ore
- Ottimo parametro deviazione temperatura colore(SDCM<3)
- Alto indice di resa cromatica(CRI 97)
- Alto Indice rosso saturo(R9-B6)
- Ridottissimo effetto strobo(SVM:0.009)
- Privo di flicker visibile (AC ripple frequency <10%)
- Preciso controllo del fascio luminoso
- Garanzia 5 Anni

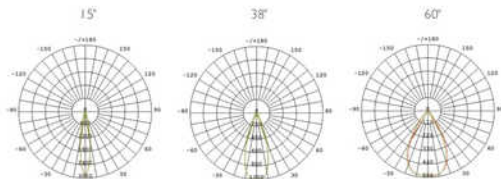
- High quality of light and relative ambient comfort
- Excellent dimming compatibility
- Dimming range >80%
- L70BS0\_40000 hrs
- Good Standard Deviation Colour Matching (SDCM<3)
- High Colour Rendering Index (CRI 97)
- High saturated red colour index (R9-B6)
- Very low strobo effect (SVM:0.009)
- Flicker free (AC ripple frequency <10%)
- Precise beam angle
- 5 YEARS Warranty

# PRO+ DICRO\_PRECISE DIMMERABILE



## DICRO\_PRECISE DIMMERABILE

| codice code | W   | W       | V       | attacco base | colore colour | lumen360/cd | lumen90° | fascio beam | imballo packing |
|-------------|-----|---------|---------|--------------|---------------|-------------|----------|-------------|-----------------|
| 21688       | 6.8 | 61(ERP) | 220-240 | GU10         | 2700K         | 480/2800    | 430      | 15°         | 10/100          |
| 21689       | 6.8 | 61(ERP) | 220-240 | GU10         | 2700K         | 480/1000    | 430      | 38°         | 10/100          |
| 21690       | 6.8 | 61(ERP) | 220-240 | GU10         | 2700K         | 480/530     | 430      | 60°         | 10/100          |



- Elevata qualità della luce e relativo comfort ambientale
- Eccellente compatibilità con i dimmers in commercio (Pag.8)
- Range dimmerazione >80%
- L70B50\_40000 ore
- Ottimo parametro deviazione temperatura colore (SDCM.3)
- Alto indice di resa cromatica (CRI 97)
- Alto Indice rosso saturo (R9:80)
- Ridottissimo effetto strobo (SVM:0.26)
- Privo di flicker visibile (AC ripple frequency <10%)
- Preciso controllo del fascio luminoso
- Garanzia 5 Anni

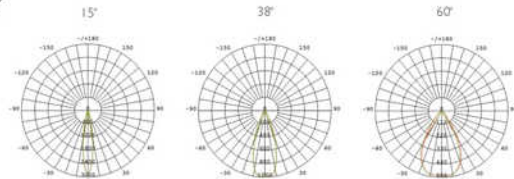
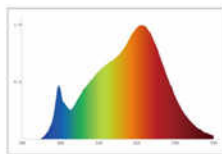
- High quality of light and relative ambient comfort
- Excellent dimming compatibility (Page 8)
- Dimming range >80%
- L70B50\_40000 hrs
- Good Standard Deviation Colour Matching (SDCM.3)
- High Colour Rendering Index (CRI 97)
- High saturated red colour index (R9:80)
- Very low strobo effect (SVM:0.26)
- Flicker free (AC ripple frequency <10%)
- Precise beam angle
- 5 YEARS Warranty

# PRO+ DICRO\_PRECISE DIMMERABILE



## DICRO\_PRECISE DIMMERABILE

| codice code | W   | W       | V       | attacco base | colore colour | lumen360/cd | lumen90° | fascio beam | imballo packing |
|-------------|-----|---------|---------|--------------|---------------|-------------|----------|-------------|-----------------|
| 21691       | 6.8 | 63(ERP) | 220-240 | GU10         | 3000K         | 500/2900    | 450      | 15°         | 10/100          |
| 21692       | 6.8 | 63(ERP) | 220-240 | GU10         | 3000K         | 500/1100    | 450      | 38°         | 10/100          |
| 21693       | 6.8 | 63(ERP) | 220-240 | GU10         | 3000K         | 500/550     | 450      | 60°         | 10/100          |



- Elevata qualità della luce e relativo comfort ambientale
- Eccellente compatibilità con i dimmers in commercio (Pag.8)
- Range dimmerazione >80%
- L70B50\_40000 ore
- Ottimo parametro deviazione temperatura colore (SDCM.3)
- Alto indice di resa cromatica (CRI 97)
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- Ridottissimo effetto strobo (SVM:0.26)
- Privo di flicker visibile (AC ripple frequency <10%)
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- Garanzia 5 Anni

- High quality of light and relative ambient comfort
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- Dimming range >80%
- L70B50\_40000 hrs
- Good Standard Deviation Colour Matching (SDCM.3)
- High Colour Rendering Index (CRI 97)
- High saturated red colour index (R9:80)
- Very low strobo effect (SVM:0.26)
- Flicker free (AC ripple frequency <10%)
- Precise beam angle
- 5 YEARS Warranty

La dimmerazione ha spesso rappresentato un problema per le lampade LED.

La lista riportata nella pagina accanto include pertanto tutti i dimmers da noi testati per tutta la gamma PRO+ DICRO\_PRECISE.

Esistono ovviamente sul mercato anche altri dimmers compatibili con tali lampade, ma si ritiene comunque che le indicazioni fornite rappresentino uno strumento molto utile a livello pratico.

E' altresì vero che i dimmers per lampade LED di nuova generazione non presentano generalmente nessun tipo di problema.

Abbiamo poi notato, nel corso dei nostri tests, che il "leading edge dimmers" (forward phase) determinano comunque maggiori problematiche ed in diversi casi risultano anche piuttosto rumorosi.

Due dettagli da non trascurare nella dimmerazione delle lampade LED sono il "minimo ed il massimo di carico".

Se il "minimo di carico" non viene rispettato, potrebbero insorgere problemi di compatibilità, mentre per quel che riguarda il massimo di carico, si consiglia di utilizzare un de-rating di 5 ( se per esempio consideriamo un dimmer per lampade alogene/incandescenza da 500W, dovremo fare riferimento ad un "massimo di carico" di 100W LED (500/5))

*Dimming has always been an issue since the introduction of LED bulbs.*

*This list on the next page includes only dimmers that have been tested by Marino Cristal. Obviously there are many other compatible dimmers on the market, but this is surely an useful and quite comprehensive document.*

*PRO+ GU10 lamps are made to work with trailing edge (reverse phase) and leading edge (forward phase) phase cut dimmers.*

*However, the use of leading edge dimmers is not recommended, as the lamps may emit a low level of audible noise when used with some leading edge dimmers. There might be a minimum wattage load on the dimmer. If this minimum load is not met, there might be compatibility issues. We recommend to use a 5.0 de-rating factor for halogen/incandescent dimmers loaded with our 230V LED lamps. For example for a 500W dimmer it would mean 500/5 = 100W of LED, so an estimated maximum of 14 lamps 6.8W LED lamps*



## PRO+ Lista dimmers compatibili (DICRO\_PRECISE DIMMERABILE 6.8W) Dimmer compatibility list (DICRO\_PRECISE DIMMABLE 6.8W)

Buona qualità della dimmerazione, su tutto il range di dimmerazione >80%  
Good dimming performance, no flicker, dimming range >80%  
Discreta qualità della dimmerazione, range >70%, no flicker sul livello di dimmerazione >70%  
Acceptable dimming performance, dimming range >70%, no flicker >70% dimming

| No. | Production Manufacturer | Model/Modelo      | Type Type | Dimmable ( Lamp ) | Dimmable ( Lamp ) | No. | Production Manufacturer | Model/Modelo              | Type Type | Dimmable ( Lamp ) | Dimmable ( Lamp ) |
|-----|-------------------------|-------------------|-----------|-------------------|-------------------|-----|-------------------------|---------------------------|-----------|-------------------|-------------------|
| 1   | ALED                    | EasyDimmer 200    | T         |                   |                   | 68  | EK                      | AJBR1210                  | T         |                   |                   |
| 2   | ALED                    | EasyDimmer 200    | SL        |                   |                   | 69  | LUMEC                   | LT14D30S3 GaN2            | T         |                   |                   |
| 3   | ABB                     | 8312U             | T         |                   |                   | 70  | Lutron                  | QD96-AAA-230-D            | T         |                   |                   |
| 4   | ABB                     | 82100             | T         |                   |                   | 71  | Lutron                  | Visa-BMS-10048            | T         |                   |                   |
| 5   | ABB                     | 844C2             | T         |                   |                   | 72  | Lutron                  | 100-ml-01m-0000-ml-00m-01 | T         |                   |                   |
| 6   | Aurora                  | AU - DSP 400      | L         |                   |                   | 73  | Lutron                  | RAA-RZ39R-24              | T         |                   |                   |
| 7   | Aurora                  | AU - DSP 400X     | L         |                   |                   | 74  | Lutron                  | LQ36-AAA-230-D            | T         |                   |                   |
| 8   | Ajlon                   | AT9306A           | T         |                   |                   | 75  | Lutron                  | HGRw-P20-240v             | T         |                   |                   |
| 9   | Benker                  | 2873              | L         |                   |                   | 76  | Lutron                  | RAA-P20-240v              | T         |                   |                   |
| 10  | Benker                  | 296710            | L         |                   |                   | 77  | PK                      | K4510                     | T         |                   |                   |
| 11  | Benker                  | 2930110           | L         |                   |                   | 78  | PK                      | 45100                     | T         |                   |                   |
| 12  | Bosch                   | MA10A-AM1703      | L         |                   |                   | 79  | PK                      | 61323WHMS                 | T         |                   |                   |
| 13  | British General         | VGDH400E          | L         |                   |                   | 80  | PK                      | GX830 WHH                 | L         |                   |                   |
| 14  | British General         | UDH400AP          | L         |                   |                   | 81  | MAXCDHDM2               | ADAMP3                    | L         |                   |                   |
| 15  | Busch Jaeger            | 2200U + S23       | L         |                   |                   | 82  | Mouzon                  | RT7800C                   | L         |                   |                   |
| 16  | Busch Jaeger            | 2247U             | L         |                   |                   | 83  | NIKO                    | 310 - 01900               | L         |                   |                   |
| 17  | Busch Jaeger            | 8317U + 101       | L         |                   |                   | 84  | NIKO                    | 310-0190K                 | T         |                   |                   |
| 18  | Busch Jaeger            | 8322U + 102       | L         |                   |                   | 85  | Philips                 | WE17515                   | L         |                   |                   |
| 19  | Busch Jaeger            | 2220U             | L         |                   |                   | 86  | RAED                    | RP7500                    | SL        |                   |                   |
| 20  | Casambi                 | CSB1-TED          | T         |                   |                   | 87  | RAKO                    | RAK47                     | SL        |                   |                   |
| 21  | Cico                    | CM4145 HDV023     | L         |                   |                   | 88  | Relux                   | RL1724                    | L         |                   |                   |
| 22  | Cipael                  | 12E41000          | SL        |                   |                   | 89  | Relux                   | RT6100A                   | L         |                   |                   |
| 23  | Cipael                  | 12E4201M          | L         |                   |                   | 90  | Rev                     | Primal, con 051142923     | L         |                   |                   |
| 24  | Cipael                  | 12E4007E          | T         |                   |                   | 91  | Rev                     | DW37020B                  | L         |                   |                   |
| 25  | Cipael                  | 12E4002S          | L         |                   |                   | 92  | Relux                   | RLA3000-01                | L         |                   |                   |
| 26  | Cipael                  | 12E18U29          | SL        |                   |                   | 93  | Relux                   | RLA3200D-01 Ledlamp 230V  | T         |                   |                   |
| 27  | Cipael                  | 12E18U1           | T         |                   |                   | 94  | Shuttle                 | SD28r - T - LED - 230V    | T         |                   |                   |
| 28  | Danlers                 | H00400            | L         |                   |                   | 95  | Shuttle                 | SFLTR04H 842              | T         |                   |                   |
| 29  | Danlers                 | DQDQDP6-400W      | L         |                   |                   | 96  | Sonoco                  | SFL LXD04H 201            | T         |                   |                   |
| 30  | Dynalite                | DLE1801           | L         |                   |                   | 97  | Schneider               | ALB4192                   | L         |                   |                   |
| 31  | Dynalite                | DICTH02 Module    | T         |                   |                   | 98  | Schneider               | SBC200LED                 | T         |                   |                   |
| 32  | EPHAFAN                 | 733-20            | SL        |                   |                   | 99  | Schneider               | REMS7199                  | T         |                   |                   |
| 33  | Epaul                   | ES400m-True       | T         |                   |                   | 100 | Schneider               | HTN3175-3000              | L         |                   |                   |
| 34  | ELKO                    | ES14400           | L         |                   |                   | 101 | Schneider               | OC1011333                 | L         |                   |                   |
| 35  | ELKO                    | OCCEL12013        | T         |                   |                   | 102 | Schneider               | WDE002311                 | T         |                   |                   |
| 36  | ELKO                    | 4305LE            | L         |                   |                   | 103 | Schneider               | WDE002319                 | T         |                   |                   |
| 37  | ELKO                    | EKO02090          | L         |                   |                   | 104 | Schneider               | E30314ED                  | L         |                   |                   |
| 38  | Etraco                  | E10410PM - 230V   | SL        |                   |                   | 105 | Schneider               | Racsa                     | L         |                   |                   |
| 39  | Gira                    | 20200             | T         |                   |                   | 106 | Schneider               | EB13HD10_WL_IC1           | L         |                   |                   |
| 40  | Gira                    | 20700             | T         |                   |                   | 107 | SAL                     | SD2482                    | L         |                   |                   |
| 41  | Gira                    | System-2000       | T         |                   |                   | 108 | SAL                     | SD2400L                   | SL        |                   |                   |
| 42  | Hamilton                | EPQW40            | L         |                   |                   | 109 | SAL                     | SD2550T                   | T         |                   |                   |
| 43  | Hamilton                | H - GDH230W-V6    | T         |                   |                   | 110 | SAL                     | SD2100UP                  | SL        |                   |                   |
| 44  | Hamilton                | ES400m-True       | T         |                   |                   | 111 | SAL                     | SD0300TCH                 | T         |                   |                   |
| 45  | Hamilton                | DQDQDP6-400W      | L         |                   |                   | 112 | SG                      | LED01M 200                | T         |                   |                   |
| 46  | Hamilton                | PA1-ALC07B106     | T         |                   |                   | 113 | SG                      | LED01M SHARK PU/SH        | T         |                   |                   |
| 47  | Imago                   | IS-05m-LED 200    | L         |                   |                   | 114 | Star Trading            | 399 - 01                  | SL        |                   |                   |
| 48  | ILUMINIZE               | SL1201            | L         |                   |                   | 115 | Tabern                  | 2483H                     | L         |                   |                   |
| 49  | Img                     | 221TDE            | T         |                   |                   | 116 | Tabern                  | 2480H+ecop                | T         |                   |                   |
| 50  | Img                     | 17200D            | T         |                   |                   | 117 | Tabern                  | 2494-K+ecop               | T         |                   |                   |
| 51  | Img                     | 244 GDE           | L         |                   |                   | 118 | Unicac                  | A207AL                    | L         |                   |                   |
| 52  | Img                     | 25410DF1          | SL        |                   |                   | 119 | Unicac                  | ST03501 109               | L         |                   |                   |
| 53  | IMJC                    | 243CX             | L         |                   |                   | 120 | VADRO                   | LD 230                    | L         |                   |                   |
| 54  | Img                     | 25410HEK          | L         |                   |                   | 121 | VADRO                   | SD220                     | L         |                   |                   |
| 55  | Käpp                    | 8002              | L         |                   |                   | 122 | VANLIGHT                | HQ30V                     | L         |                   |                   |
| 56  | Käpp                    | 8085              | L         |                   |                   | 123 | VANLIGHT                | IQ401W                    | L         |                   |                   |
| 57  | Kapp                    | 8013              | L         |                   |                   | 124 | VANLIGHT                | v - Proj.214000P          | T         |                   |                   |
| 58  | Knightbridge            | CL3181AB          | L         |                   |                   | 125 | VERNER                  | VE7740D                   | SL        |                   |                   |
| 59  | Knightbridge            | VFR200P           | L         |                   |                   | 126 | Viecon                  | 20148                     | T         |                   |                   |
| 60  | Lagrand                 | 78402             | T         |                   |                   | 127 | WUYNBILIER              | WL3-E-193                 | T         |                   |                   |
| 61  | Lagrand                 | Milena 831113     | T         |                   |                   | 128 | OPPER                   | 0220400AL                 | L         |                   |                   |
| 62  | Lagrand                 | 281080            | T         |                   |                   | 129 | PRIGARAN                | 55-LED-135                | T         |                   |                   |
| 63  | Lagrand                 | Car 460T          | T         |                   |                   | 130 | Tika                    | HTV300E                   | SL        |                   |                   |
| 64  | Lagrand                 | 47082             | L         |                   |                   | 131 | Zano                    | ZGR03000                  | T         |                   |                   |
| 65  | Lagrand                 | 47085             | T         |                   |                   | 132 | Zano                    | ZMO130                    | T         |                   |                   |
| 66  | LK                      | 30ADA219          | T         |                   |                   | 133 | Zano                    | ZMO230                    | T         |                   |                   |
| 67  | LK                      | FUGA LED358 TOUCH | T         |                   |                   |     |                         |                           |           |                   |                   |

\* T= Trailing Edge/Taglio di fase discendente  
L= Leading edge - Taglio di fase ascendente  
U=Universal/Universale





Lampade led caratterizzate da una tecnologia all'avanguardia che permette un uso intenso in situazioni dove il grado di illuminamento e le aspettative di vita sono fondamentali.

Adatte per il relamping in apparecchi professionali sia alogeni che fluorescenti e disponibili in diverse temperature di colore contraddistinte da un'ottima resa cromatica.

Per tutte sono disponibili le curve fotometriche necessarie per la valutazione di progetti illuminotecnici.

Garanzia di 4 anni.

*LED bulbs characterized by advanced technology solutions applied. This series allows applications where prolonged use is required and where long life is very important.*

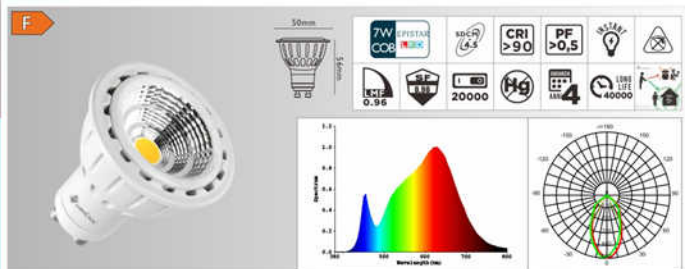
*They are suitable for relamping professional fittings, be them halogen or fluorescent, available in different colour temperatures, all with an excellent colour rendering index.*

*Files for lighting engineering calculations are available in order to properly evaluate the lighting level of a given area.*

*4 years warranty.*



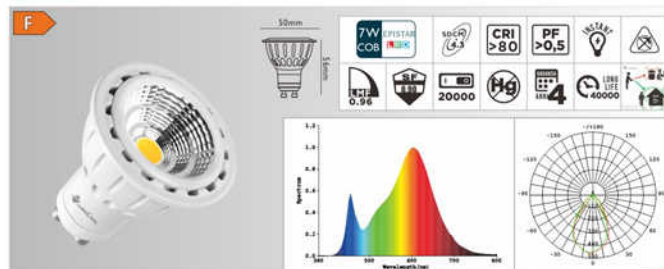
## PRO CRI>90 RFL-COB-7



RFL-COB-7

| codice | W | W       | V       | attacco | colore | lumen360/cd | lumen90° | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------------|----------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen360/cd | lumen90° | beam   | packing |
| 21516  | 7 | 74(ERP) | 220-240 | GU10    | 3000K  | 550/545     | 530      | 60°    | 10/100  |

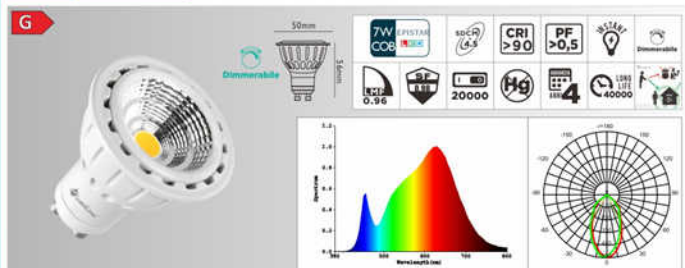
## PRO RFL-COB-7



RFL-COB-7

| codice | W | W       | V       | attacco | colore | lumen360/cd | lumen90° | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------------|----------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen360/cd | lumen90° | beam   | packing |
| 21430  | 7 | 84(ERP) | 220-240 | GU10    | 2700K  | 630/583     | 610      | 60°    | 10/100  |
| 21132  | 7 | 84(ERP) | 220-240 | GU10    | 3000K  | 630/583     | 610      | 60°    | 10/100  |
| 21190  | 7 | 85(ERP) | 220-240 | GU10    | 4000K  | 640/602     | 620      | 60°    | 10/100  |

## PRO CRI>90 RFL-COB-7 DIMMERABILE



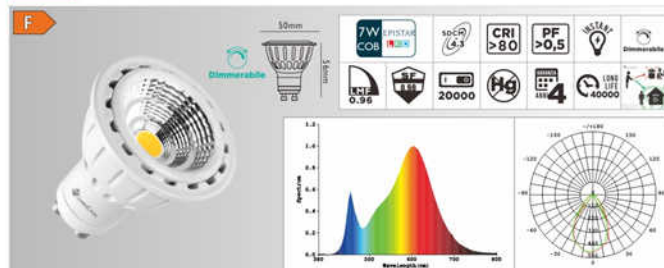
RFL-COB-7 DIMMERABILE

| codice | W | W       | V       | attacco | colore | lumen360/cd | lumen90° | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------------|----------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen360/cd | lumen90° | beam   | packing |
| 21517  | 7 | 74(ERP) | 220-240 | GU10    | 3000K  | 450/545     | 430      | 60°    | 10/100  |

- Dimmerabile con la maggior parte dei dimmers in commercio. Dimmerabilità garantita con i dimmers per lampade LED. Vedi pagina 140.

Dimmable with most of the dimmers available on the market.  
Dimmability guaranteed with dimmers for LED bulbs. See page 140.

## PRO RFL-COB-7 DIMMERABILE



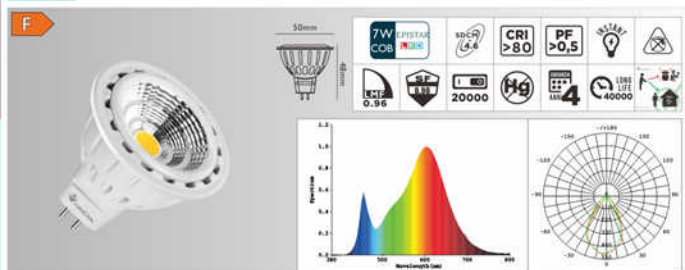
RFL-COB-7 DIMMERABILE

| codice | W | W       | V       | attacco | colore | lumen360/cd | lumen90° | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------------|----------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen360/cd | lumen90° | beam   | packing |
| 21391  | 7 | 74(ERP) | 220-240 | GU10    | 3000K  | 550/583     | 530      | 60°    | 10/100  |

- Dimmerabile con la maggior parte dei dimmers in commercio. Dimmerabilità garantita con i dimmers per lampade LED. Vedi pagina 140.

Dimmable with most of the dimmers available on the market.  
Dimmability guaranteed with dimmers for LED bulbs. See page 140.

## PRO RFL-COB-7



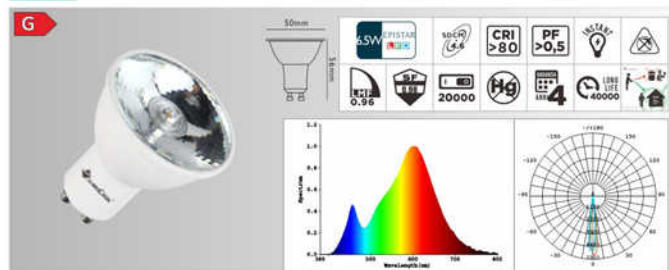
## RFL-COB-7

| codice | W | W       | V    | attacco | colore | lumen360/cd | lumen90° | fascio | imballo |
|--------|---|---------|------|---------|--------|-------------|----------|--------|---------|
| code   | W | W       | V    | base    | colour | lumen360/cd | lumen90° | beam   | packing |
| 21131  | 7 | 49(ERP) | 12AC | GU5,3   | 3000°K | 630/507     | 610      | 60°    | 10/100  |
| 21189  | 7 | 49(ERP) | 12AC | GU5,3   | 4000°K | 640/518     | 620      | 60°    | 10/100  |

- Questa lampada può operare con tutti i trasformatori elettromeccanici e la maggior parte di quelli elettronici. I nostri trasformatori elettronici per lampade LED sono assolutamente compatibili. Vedi pag. 139.

*This lamp can work with all electro-magnetic transformers and with most electronic ones. Our electronic transformers for LED lamps are perfectly compatible. See page 139.*

## PRO DICROLED I0\_HIGH INTENSITY



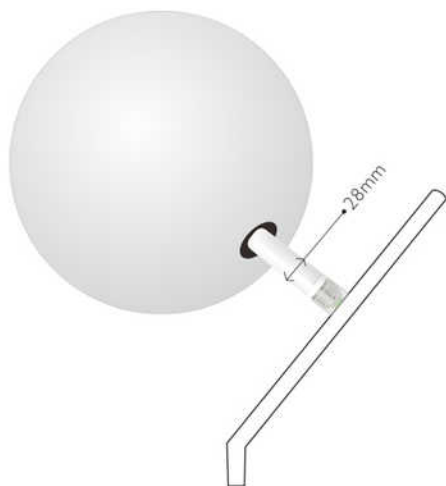
## DICROLED I0

| codice | W   | W       | V       | attacco | colore | lumen360/cd | lumen90° | fascio | imballo |
|--------|-----|---------|---------|---------|--------|-------------|----------|--------|---------|
| code   | W   | W       | V       | base    | colour | lumen360/cd | lumen90° | beam   | packing |
| 21425  | 6.5 | 55(ERP) | 220-240 | GU10    | 3000°K | 400/5127    | 390      | 10°    | 10/100  |
| 21426  | 6.5 | 57(ERP) | 220-240 | GU10    | 4000°K | 410/5127    | 400      | 10°    | 10/100  |





## T28LED



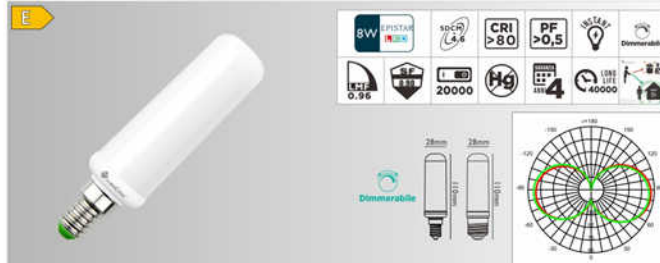
## PRO T28LED\_8\_EVO ALTA EFFICIENZA/HIGH EFFICIENCY



## T28LED\_8\_EVO

| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing |
| 21633  | 8 | 68(ERP) | 220-240 | E14     | 3000°K | 950   | 330°   | 10/50   |
| 21634  | 8 | 71(ERP) | 220-240 | E14     | 4000°K | 1000  | 330°   | 10/50   |
| 21635  | 8 | 68(ERP) | 220-240 | E27     | 3000°K | 950   | 330°   | 10/50   |
| 21636  | 8 | 71(ERP) | 220-240 | E27     | 4000°K | 1000  | 330°   | 10/50   |

## PRO T28LED\_8\_DIMMERABILE\_EVO ALTA EFFICIENZA/HIGH EFFICIENCY

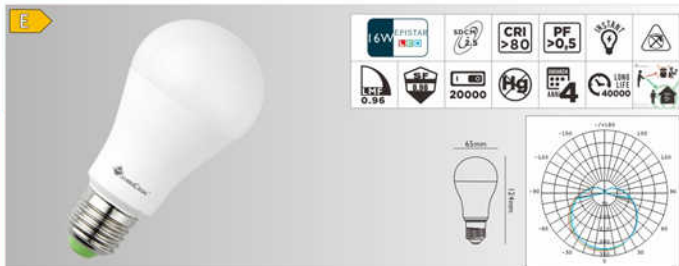


## T28LED\_8\_DIMMERABILE\_EVO

| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing |
| 21637  | 8 | 65(ERP) | 220-240 | E27     | 2700°K | 900   | 330°   | 10/50   |
| 21638  | 8 | 65(ERP) | 220-240 | E27     | 3000°K | 900   | 330°   | 10/50   |
| 21639  | 8 | 65(ERP) | 220-240 | E14     | 2700°K | 900   | 330°   | 10/50   |
| 21640  | 8 | 65(ERP) | 220-240 | E14     | 3000°K | 900   | 330°   | 10/50   |

- Dimmerabile con la maggior parte dei dimmers in commercio.  
Dimmerabilità garantita con i dimmers per lampade LED. Vedi pagina 140.

Dimmable with most of the dimmers available on the market.  
Dimmability guaranteed with dimmers for LED bulbs. See page 140.

**PRO** GOCCIALED EVO COMPACT ALTA EFFICIENZA/HIGH EFFICIENCY

**GOCCIALED EVO COMPACT**

| codice | W  | W        | V       | attacco | colore | lumen | fascio | imballo |
|--------|----|----------|---------|---------|--------|-------|--------|---------|
| code   | W  | W        | V       | base    | colour | lumen | beam   | packing |
| 21329  | 16 | 123(ERP) | 220-240 | E27     | 2700°K | 1950  | 240°   | 10/50   |
| 21330  | 16 | 125(ERP) | 220-240 | E27     | 4000°K | 2000  | 240°   | 10/50   |

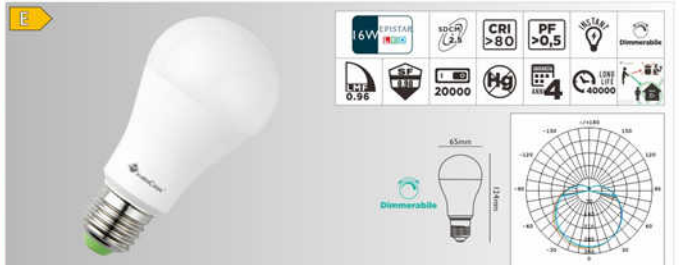
**PRO** GOCCIALED DECO DIMMERABILE

**GOCCIALED DECO DIMMERABILE**

| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing |
| 21098  | 9 | 65(ERP) | 220-240 | E27     | 2700°K | 900   | 270°   | 10/50   |

- Dimmerabile con la maggior parte dei dimmers in commercio.  
Dimmerabilità garantita con i dimmers per lampade LED. Vedi pagina 140.

*Dimmable with most of the dimmers available on the market.  
Dimmability guaranteed with dimmers for LED bulbs. See page 140.*

**PRO** GOCCIALED EVO COMPACT DIMMERABILE ALTA EFFICIENZA/HIGH EFFICIENCY

**GOCCIALED EVO COMPACT DIMMERABILE**

| codice | W  | W        | V       | attacco | colore | lumen | fascio | imballo |
|--------|----|----------|---------|---------|--------|-------|--------|---------|
| code   | W  | W        | V       | base    | colour | lumen | beam   | packing |
| 21332  | 16 | 117(ERP) | 220-240 | E27     | 2700°K | 1850  | 240°   | 10/50   |

- Dimmerabile con la maggior parte dei dimmers in commercio.  
Dimmerabilità garantita con i dimmers per lampade LED. Vedi pagina 140.

*Dimmable with most of the dimmers available on the market.  
Dimmability guaranteed with dimmers for LED bulbs. See page 140.*



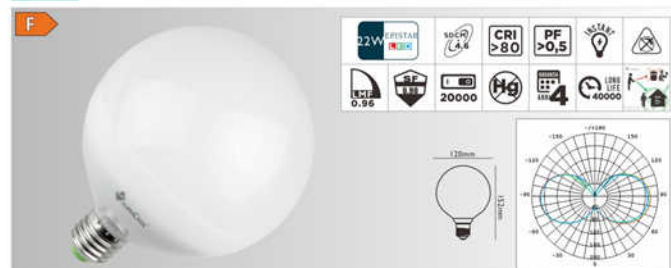
## PRO GOCCIALE RELE/RELAY



### GOCCIALE RELE/RELAY

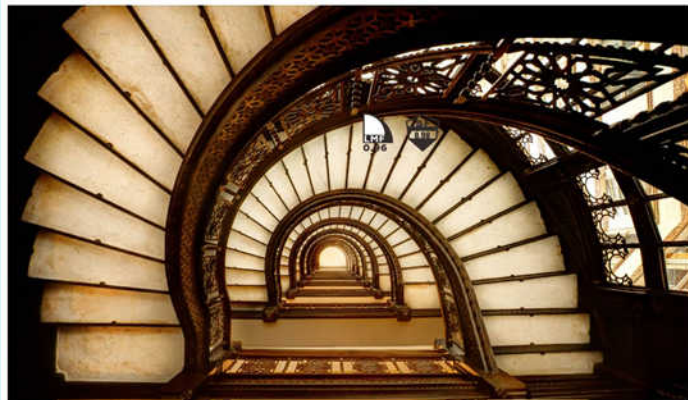
| codice | W  | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|----|---------|---------|---------|--------|-------|--------|---------|
| code   | W  | W       | V       | base    | colour | lumen | beam   | packing |
| 21492  | 10 | 71(ERP) | 220-240 | E27     | 3000°K | 1000  | 270°   | 10/50   |
| 21493  | 10 | 74(ERP) | 220-240 | E27     | 4000°K | 1050  | 270°   | 10/50   |

## PRO GLOBOLE EVO




### GLOBOLE EVO

| codice | W  | W        | V       | attacco | colore | lumen | fascio | imballo |
|--------|----|----------|---------|---------|--------|-------|--------|---------|
| code   | W  | W        | V       | base    | colour | lumen | beam   | packing |
| 21325  | 22 | 140(ERP) | 220-240 | E27     | 2700°K | 2270  | 330°   | 5/20    |
| 21326  | 22 | 141(ERP) | 220-240 | E27     | 4000°K | 2300  | 330°   | 5/20    |
| 21327  | 22 | 144(ERP) | 220-240 | E27     | 6000°K | 2350  | 330°   | 5/20    |

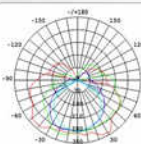


## PRO LINEARELED EVO 14

**E**



14W  
 EPSTAR  
 SDCR  
 CRI >80  
 PF >0,5  
 0.96  
 20000  
 40000  
 100000h  
 100000h  
 100000h




10mm 28mm

## LINEARELED EVO 14

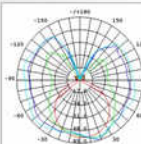
| codice | W  | W        | V       | attacco | colore | lumen | fascio | imballo |
|--------|----|----------|---------|---------|--------|-------|--------|---------|
| code   | W  | W        | V       | base    | colour | lumen | beam   | packing |
| 21432  | 14 | 114(ERP) | 220-240 | R7s     | 3000°K | 1800  | 180°   | 20/200  |
| 21433  | 14 | 117(ERP) | 220-240 | R7s     | 4000°K | 1850  | 180°   | 20/200  |

## PRO LINEARELED EVO 360

**E**



6W  
 EPSTAR  
 SDCR  
 CRI >80  
 PF >0,5  
 0.96  
 20000  
 40000  
 100000h  
 100000h  
 100000h




10mm 22mm

## LINEARELED EVO 360 78MM

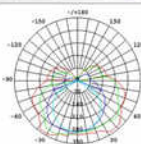
| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing |
| 21208  | 6 | 53(ERP) | 220-240 | R7s     | 3000°K | 700   | 360°   | 20/200  |
| 21209  | 6 | 56(ERP) | 220-240 | R7s     | 4000°K | 750   | 360°   | 20/200  |

## PRO LINEARELED EVO 14 DIMMERABILE

**E**



14W  
 EPSTAR  
 SDCR  
 CRI >80  
 PF >0,5  
 0.96  
 20000  
 40000  
 100000h  
 100000h  
 100000h  
 Dimmerabile



10mm 28mm

## LINEARELED EVO 14 DIMMERABILE

| codice | W  | W        | V       | attacco | colore | lumen | fascio | imballo |
|--------|----|----------|---------|---------|--------|-------|--------|---------|
| code   | W  | W        | V       | base    | colour | lumen | beam   | packing |
| 21434  | 14 | 109(ERP) | 220-240 | R7s     | 3000°K | 1700  | 180°   | 20/200  |

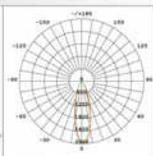
- Dimmerabile con la maggior parte dei dimmers in commercio. Dimmerabilità garantita con i dimmers per lampade LED. Vedi pagina 140.

Dimmable with most of the dimmers available on the market.  
Dimmability guaranteed with dimmers for LED bulbs. See page 140.



## PRO PAR30L

E



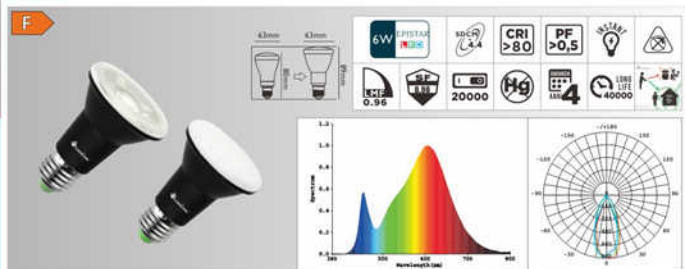
## PAR30L

| codice<br>code | W<br>W | W<br>W  | V<br>V  | attacco<br>base | colore<br>colour | lumen360°<br>lumen360° | lumen90°<br>lumen90° | fascio<br>beam | imballo<br>packing |
|----------------|--------|---------|---------|-----------------|------------------|------------------------|----------------------|----------------|--------------------|
| 21324          | 12     | 70(ERP) | 100-270 | E27             | 3000°K           | 1200                   | 1150                 | 36°            | 1/20               |



cod. 40756 UNICO\_PAR30 bianco/white  
cod. 40757 UNICO\_PAR30 nero/black

## PRO PAR20LED IP65



## PAR20LED IP65

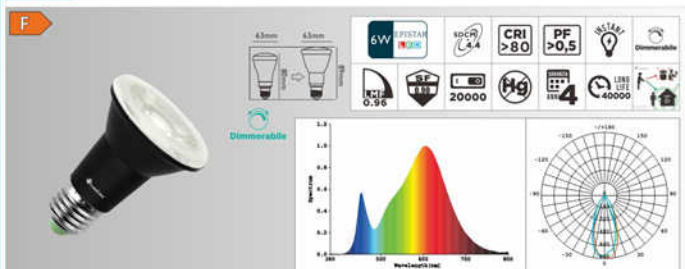
| codice | W | W       | V       | attacco | colore | lumen360° | lumen90° | fascio | imballo |
|--------|---|---------|---------|---------|--------|-----------|----------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen360° | lumen90° | beam   | packing |
| 21672  | 6 | 70(ERP) | 220-240 | E27     | 3000°K | 550       | 530      | 40°    | 10/50   |

## PAR20LED IP65

| codice | W | W       | V       | attacco | colore | lumen360° | lumen120° | fascio | imballo |
|--------|---|---------|---------|---------|--------|-----------|-----------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen360° | lumen120° | beam   | packing |
| 21673  | 6 | 69(ERP) | 220-240 | E27     | 3000°K | 550       | 520       | 115°   | 10/50   |



## PRO PAR20LED IP65 DIMMERABILE



## PAR20LED IP65

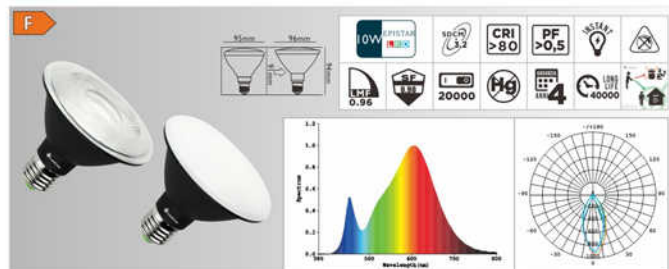
| codice | W | W       | V       | attacco | colore | lumen360° | lumen90° | fascio | imballo |
|--------|---|---------|---------|---------|--------|-----------|----------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen360° | lumen90° | beam   | packing |
| 21678  | 6 | 66(ERP) | 220-240 | E27     | 3000°K | 520       | 500      | 40°    | 10/50   |



- Dimmerabile con la maggior parte dei dimmers in commercio. Dimmerabilità garantita con i dimmers per lampade LED. Vedi pagina 140.

Dimmable with most of the dimmers available on the market.  
Dimmability guaranteed with dimmers for LED bulbs. See page 140.

## PRO PAR30LED IP65



## PAR30LED IP65

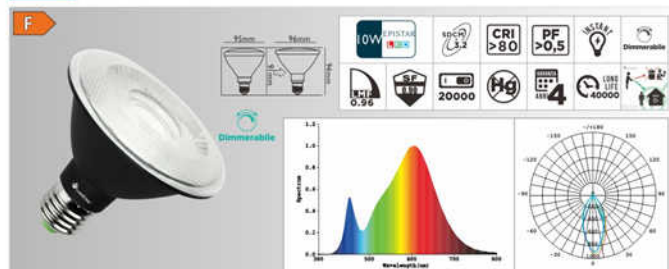
| codice | W  | W        | V       | attacco | colore | lumen360° | lumen90° | fascio | imballo |
|--------|----|----------|---------|---------|--------|-----------|----------|--------|---------|
| code   | W  | W        | V       | base    | colour | lumen360° | lumen90° | beam   | packing |
| 21674  | 10 | 100(ERP) | 220-240 | E27     | 3000°K | 900       | 870      | 40°    | 10/40   |

## PAR30LED IP65

| codice | W  | W       | V       | attacco | colore | lumen360° | lumen120° | fascio | imballo |
|--------|----|---------|---------|---------|--------|-----------|-----------|--------|---------|
| code   | W  | W       | V       | base    | colour | lumen360° | lumen120° | beam   | packing |
| 21675  | 10 | 99(ERP) | 220-240 | E27     | 3000°K | 900       | 860       | 115°   | 10/40   |



## PRO PAR30LED IP65 DIMMERABILE



## PAR30LED IP65

| codice | W  | W       | V       | attacco | colore | lumen360° | lumen90° | fascio | imballo |
|--------|----|---------|---------|---------|--------|-----------|----------|--------|---------|
| code   | W  | W       | V       | base    | colour | lumen360° | lumen90° | beam   | packing |
| 21679  | 10 | 95(ERP) | 220-240 | E27     | 3000°K | 850       | 820      | 40°    | 10/40   |

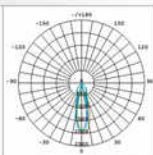
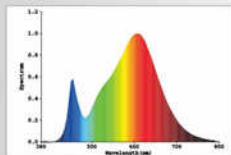


- Dimmerabile con la maggior parte dei dimmers in commercio. Dimmerabilità garantita con i dimmers per lampade LED. Vedi pagina 140.

Dimmable with most of the dimmers available on the market.  
Dimmability guaranteed with dimmers for LED bulbs. See page 140.

## PRO PAR38LED IP65

F



## PAR38LED IP65

| codice | W  | W        | V       | attacco | colore | lumen360° | lumen90° | fascio | imballo |
|--------|----|----------|---------|---------|--------|-----------|----------|--------|---------|
| code   | W  | W        | V       | base    | colour | lumen360° | lumen90° | beam   | packing |
| 21676  | 15 | 146(ERP) | 220-240 | E27     | 3000°K | 1300      | 1250     | 40°    | 5/30    |

## PAR38LED IP65

| codice | W  | W        | V       | attacco | colore | lumen360° | lumen120° | fascio | imballo |
|--------|----|----------|---------|---------|--------|-----------|-----------|--------|---------|
| code   | W  | W        | V       | base    | colour | lumen360° | lumen120° | beam   | packing |
| 21677  | 15 | 145(ERP) | 220-240 | E27     | 3000°K | 1300      | 1240      | 115°   | 5/30    |

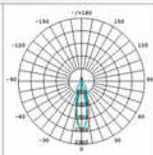
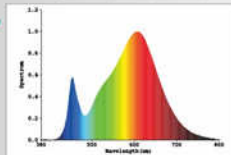


## PRO PAR38LED IP65 DIMMERABILE

F



Dimmerabile



## PAR38LED IP65

| codice | W  | W        | V       | attacco | colore | lumen360° | lumen90° | fascio | imballo |
|--------|----|----------|---------|---------|--------|-----------|----------|--------|---------|
| code   | W  | W        | V       | base    | colour | lumen360° | lumen90° | beam   | packing |
| 21680  | 15 | 140(ERP) | 220-240 | E27     | 3000°K | 1250      | 1200     | 40°    | 5/30    |



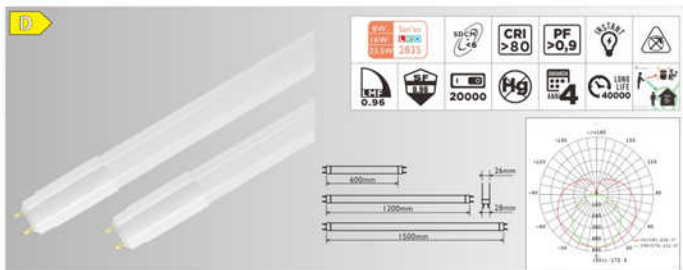
- Dimmerabile con la maggior parte dei dimmers in commercio. Dimmerabilità garantita con i dimmers per lampade LED. Vedi pagina 140.

Dimmable with most of the dimmers available on the market.  
Dimmability guaranteed with dimmers for LED bulbs. See page 140.



cod. 40795 PIKKO\_PAR38 40° nero/black  
cod. 40796 PIKKO\_PAR38 115° nero/black

# PRO PRO TUBI LED T8 HI-LUMEN\_UNIVERSAL



## PRO TUBI LED T8

| codice<br>code | W<br>W | W<br>W | V<br>V  | attacco<br>base | colore<br>colour | lumen<br>lumen | fascio<br>beam | imballo<br>packing |
|----------------|--------|--------|---------|-----------------|------------------|----------------|----------------|--------------------|
| 21537          | 8      | 18     | 220-240 | G13             | 4000°K           | 1050           | 27°            | 25                 |
| 21538          | 16     | 36     | 220-240 | G13             | 4000°K           | 2250           | 27°            | 25                 |
| 21533          | 23.5   | 58     | 220-240 | G13             | 4000°K           | 3400           | 27°            | 25                 |

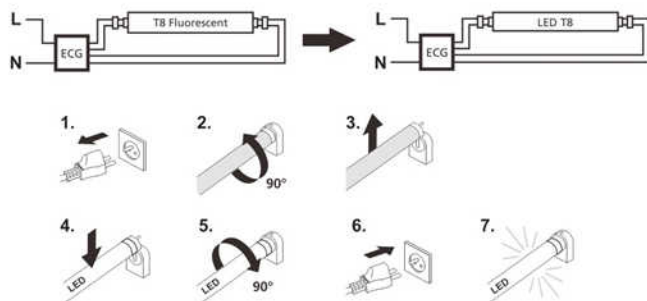
I PRO TUBI T8 hanno un'amplissima compatibilità ed un elevato flusso luminoso. (140lm/W)

- Sostituzione diretta T8 FLUO montato in apparecchio con alimentatore elettronico (vedi lista compatibilità pag 140/142).
- Sostituzione diretta T8 FLUO montato in apparecchio con alimentatore elettromeccanico previa sostituzione starter (starter LED incluso con Tubo LED)
- Collegamento diretto alla tensione di rete. Verificare con cura la testata contrassegnata con AC e verificare schema foglio istruzioni.

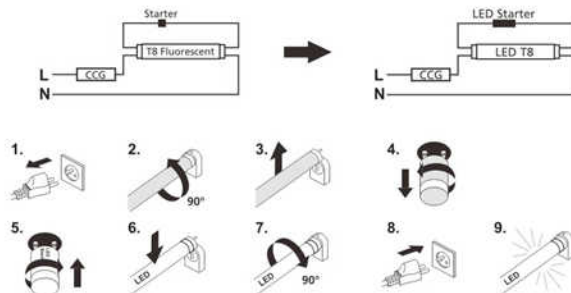
PRO T8 Tubes have got a very very wide compatibility and a high luminous output. (140lm/W)

- Direct retrofit of a T8 Fluorescent tube connected to an electronic ballast (see compatibility list on page 140/142)
- Direct retrofit of a T8 Fluorescent tube connected to an electromagnetic ballast replacing the starter (LED starter included with the LED tube)
- Direct connection to the mains voltage. Carefully check the cap marked with AC and see connection diagram on the instructions sheet.

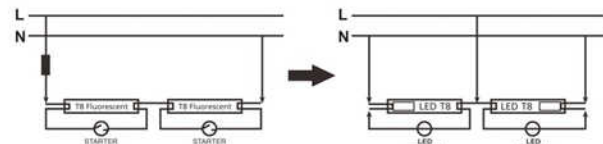
## Electronic HF ballast | Reattore elettronico



## Magnetic / CCG ballast | Reattore elettromeccanico

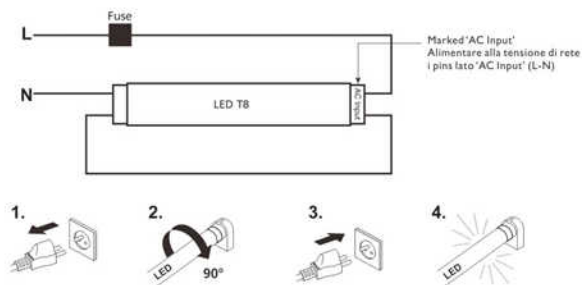


NEVER CONNECT LED TUBES IN SERIES  
NON IMPIEGARE I TUBI LED PER INSTALLAZIONI IN SERIE:



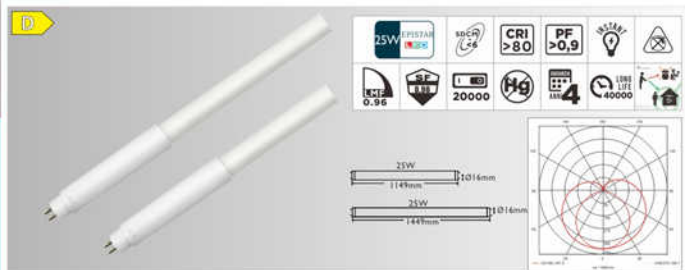
Always bypass the ballast and connect LED tubes in parallel directly to the mains voltage.  
Eliminare l'alimentatore e gli starter e collegare in parallelo i tubi LED direttamente alla tensione di rete.

## 220-240V AC / Direct mains | Alla tensione di rete



'Marked' AC Input'  
Alimentare alla tensione di rete  
(i pins lato 'AC Input' (L-N))

## PRO TUBO LED T5\_SINGLE END\_HIGH LUMEN



## TUBO LED T5\_SINGLE END\_HIGH LUMEN

| codice<br>code | W  | W  | W      | V         | attacco<br>base | colore<br>colour | lumen<br>lumen | fascio<br>beam | imballo<br>packing |
|----------------|----|----|--------|-----------|-----------------|------------------|----------------|----------------|--------------------|
| 21608          | 25 | 54 | 1200mm | AC120-240 | G5              | 3000°K           | 3630           | 27°            | 40                 |
| 21609          | 25 | 49 | 1500mm | AC120-240 | G5              | 3000°K           | 3630           | 27°            | 40                 |
| 21610          | 25 | 54 | 1200mm | AC120-240 | G5              | 4000°K           | 3750           | 27°            | 40                 |
| 21611          | 25 | 49 | 1500mm | AC120-240 | G5              | 4000°K           | 3750           | 27°            | 40                 |

I PRO Tubi LED T5\_SINGLE END hanno un elevato flusso luminoso (150lm/W)

SINGLE END PROTS LED Tubes have got a very high luminous output (150lm/W)

- Collegare direttamente alla tensione di rete senza alimentatore
- Direct connection to mains voltage without ballast

IMPORTANTE:





Una gamma che offre un ottimo compromesso in termini di performance e costi, adatta sia all'illuminazione civile che professionale.

Un range di prodotto dove trovare tutte le soluzioni ai propri fabbisogni.

Garanzia 3 anni.

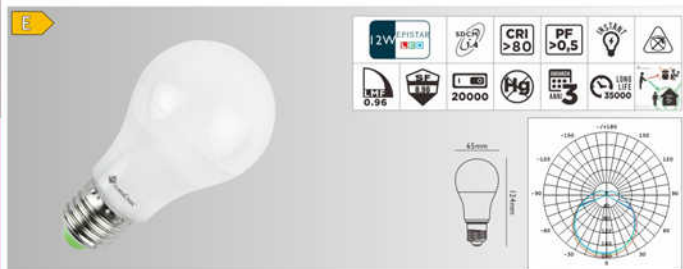
*It's a range which offers an excellent compromise in terms of performance and costs. It's suitable for both residential and professional lighting.*

*A range of products where any lighting requirement can be satisfied.*

*3 years warranty*



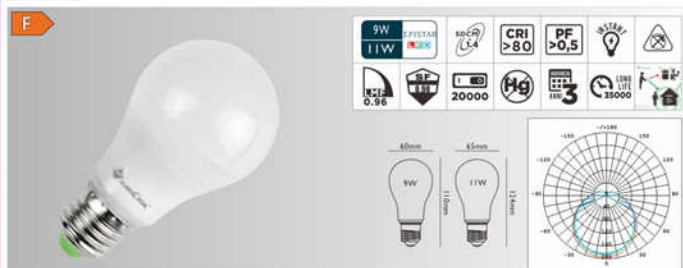
## STD GOCCIALED DECO STD ALTA EFFICIENZA/HIGH EFFICIENCY



## GOCCIALED DECO STD

| codice | W  | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|----|---------|---------|---------|--------|-------|--------|---------|
| code   | W  | W       | V       | base    | colour | lumen | beam   | packing |
| 21336  | 12 | 90(ERP) | 220-240 | E27     | 2700°K | 1350  | 27°    | 10/50   |
| 21337  | 12 | 93(ERP) | 220-240 | E27     | 4000°K | 1400  | 27°    | 10/50   |
| 21338  | 12 | 96(ERP) | 220-240 | E27     | 6000°K | 1450  | 27°    | 10/50   |

## STD GOCCIALED DECO STD



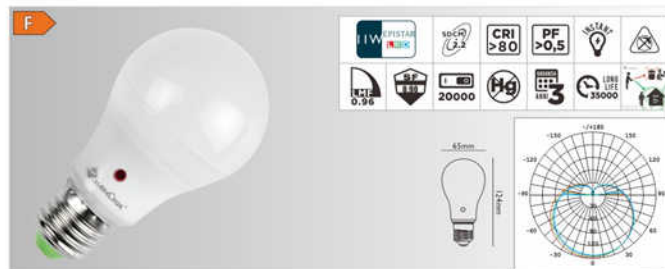
## GOCCIALED DECO STD

| codice | W  | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|----|---------|---------|---------|--------|-------|--------|---------|
| code   | W  | W       | V       | base    | colour | lumen | beam   | packing |
| 21128  | 9  | 65(ERP) | 220-240 | E27     | 2700°K | 900   | 27°    | 10/50   |
| 21133  | 9  | 66(ERP) | 220-240 | E27     | 4000°K | 910   | 27°    | 10/50   |
| 21191  | 9  | 66(ERP) | 220-240 | E27     | 6000°K | 920   | 27°    | 10/50   |
| 21129  | 11 | 77(ERP) | 220-240 | E27     | 2700°K | 1100  | 27°    | 10/50   |
| 21134  | 11 | 77(ERP) | 220-240 | E27     | 4000°K | 1110  | 27°    | 10/50   |
| 21192  | 11 | 78(ERP) | 220-240 | E27     | 6000°K | 1120  | 27°    | 10/50   |

## GOCCIALED DECO STD 24V AC/DC

| codice | W | W       | V        | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|----------|---------|--------|-------|--------|---------|
| code   | W | W       | V        | base    | colour | lumen | beam   | packing |
| 21539  | 9 | 65(ERP) | 24 AC/DC | E27     | 3000°K | 900   | 27°    | 10/50   |
| 21540  | 9 | 66(ERP) | 24 AC/DC | E27     | 4000°K | 910   | 27°    | 10/50   |

## STD GOCCIALED SENSOR



## GOCCIALED SENSOR

| codice | W  | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|----|---------|---------|---------|--------|-------|--------|---------|
| code   | W  | W       | V       | base    | colour | lumen | beam   | packing |
| 21200  | 11 | 77(ERP) | 220-240 | E27     | 2700°K | 1100  | 27°    | 10/50   |
| 21201  | 11 | 78(ERP) | 220-240 | E27     | 6000°K | 1120  | 27°    | 10/50   |

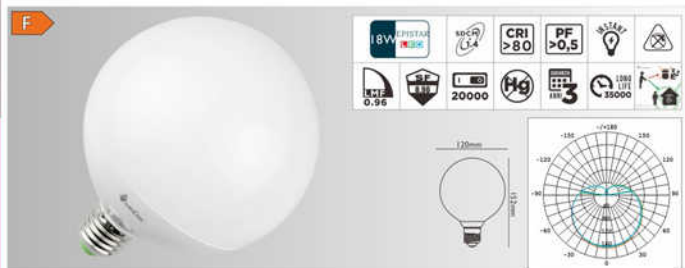
- Questa lampada con sensore si accende e si spegne automaticamente in base al livello di illuminamento. All'accensione la lampada si illumina indipendentemente da ciò che rileva il sensore ed effettua un auto-test di circa 2 minuti dopo di che si accenderà o si spegnerà in base alle condizioni di luce rilevate. Il sensore è in grado di distinguere la differenza tra luce naturale e luce artificiale ed è quindi indicato per tutti i tipi di apparecchi per esterni i due sensori non vincolano la posizione del bulbo (specialmente in apparecchi da parete) in quanto la lampada ha due punti di rilevamento.
- This sensor lamp switches on and off automatically according to the detected ambient light. For testing purpose, it will work independently from the sensor within the first 2 minutes of switching on. It could tell the difference between natural and artificial light so it's an ideal light source for all kinds of outdoor lighting fittings. The two sensors do not force the installation of the bulb only in one position (especially an wall-brackets) as the lamp has got two detecting points.

## STD SFERALED DECO

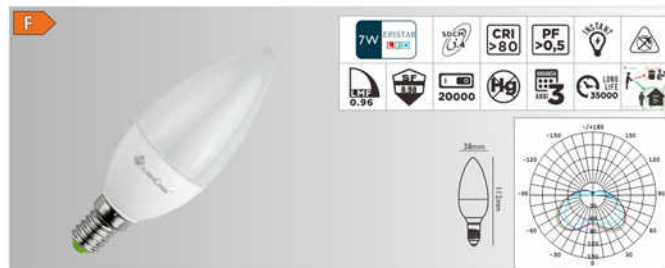


## SFERALED DECO

| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing |
| 21068  | 5 | 37(ERP) | 220-240 | E14     | 2700°K | 440   | 27°    | 10/100  |
| 21069  | 5 | 38(ERP) | 220-240 | E14     | 4000°K | 450   | 27°    | 10/100  |
| 21070  | 5 | 37(ERP) | 220-240 | E27     | 2700°K | 440   | 27°    | 10/100  |
| 21071  | 5 | 38(ERP) | 220-240 | E27     | 4000°K | 450   | 27°    | 10/100  |

**STD** GLOBLED DECO ALTA EFFICIENZA/HIGH EFFICIENCY

**GLOBLED DECO**

| codice code | W  | W        | V       | attacco base | colore colour | lumen lumen | fascio beam | imballo packing |
|-------------|----|----------|---------|--------------|---------------|-------------|-------------|-----------------|
| 21654       | 18 | 116(ERP) | 220-240 | E27          | 2700°K        | 1820        | 27°         | 5/20            |
| 21655       | 18 | 117(ERP) | 220-240 | E27          | 4000°K        | 1850        | 27°         | 5/20            |
| 21656       | 18 | 117(ERP) | 220-240 | E27          | 6000°K        | 1850        | 27°         | 5/20            |


**STD** OLIVALED OPALE

**OLIVALED OPALE**

| codice code | W | W       | V       | attacco base | colore colour | lumen lumen | fascio beam | imballo packing |
|-------------|---|---------|---------|--------------|---------------|-------------|-------------|-----------------|
| 21436       | 7 | 51(ERP) | 220-240 | E14          | 2700°K        | 690         | 24°         | 10/100          |
| 21437       | 7 | 51(ERP) | 220-240 | E14          | 4000°K        | 700         | 24°         | 10/100          |

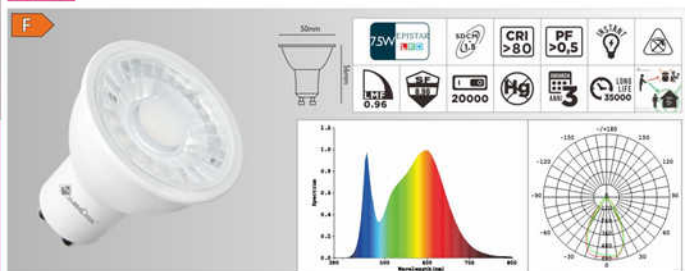
**STD** COLPO DI VENTOLED

**COLPO DI VENTOLED**

| codice code | W | W       | V       | attacco base | colore colour | lumen lumen | fascio beam | imballo packing |
|-------------|---|---------|---------|--------------|---------------|-------------|-------------|-----------------|
| 21287       | 5 | 40(ERP) | 220-240 | E14          | 2700°K        | 470         | 27°         | 10/100          |
| 21288       | 5 | 40(ERP) | 220-240 | E14          | 4000°K        | 480         | 27°         | 10/100          |



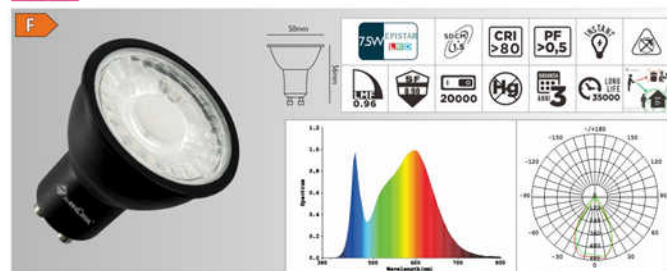
## STD DICROICALED TRP



## DICROICALED TRP

| code  | W   | W       | V       | attacco base | colore | lumen360° | lumen90° | fascio beam | imballo packing |
|-------|-----|---------|---------|--------------|--------|-----------|----------|-------------|-----------------|
| 21463 | 7.5 | 91(ERP) | 220-240 | GU10         | 2700K  | 680       | 660      | 60°         | 10/100          |
| 21229 | 7.5 | 91(ERP) | 220-240 | GU10         | 3000K  | 680       | 660      | 60°         | 10/100          |
| 21230 | 7.5 | 93(ERP) | 220-240 | GU10         | 4000K  | 700       | 680      | 60°         | 10/100          |

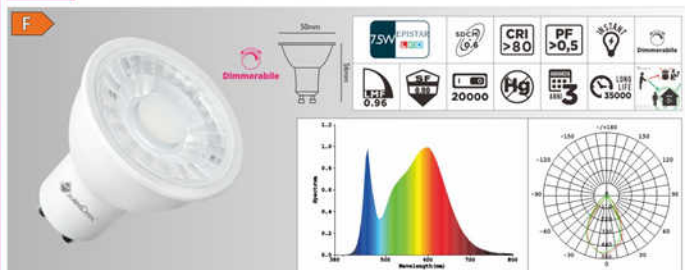
## STD DICROICALED TRP



## DICROICALED TRP

| code  | W   | W       | V       | attacco base | colore | lumen360° | lumen90° | fascio beam | imballo packing |
|-------|-----|---------|---------|--------------|--------|-----------|----------|-------------|-----------------|
| 21660 | 7.5 | 88(ERP) | 220-240 | GU10         | 3000K  | 650       | 640      | 60°         | 10/100          |
| 21661 | 7.5 | 91(ERP) | 220-240 | GU10         | 4000K  | 670       | 660      | 60°         | 10/100          |

## STD DICROICALED TRP DIMMERABILE



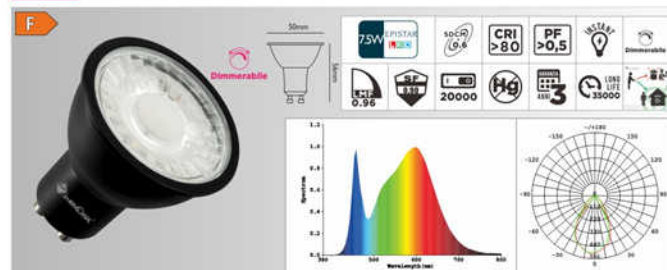
## DICROICALED TRP DIMMERABILE

| code  | W   | W       | V       | attacco base | colore | lumen360° | lumen90° | fascio beam | imballo packing |
|-------|-----|---------|---------|--------------|--------|-----------|----------|-------------|-----------------|
| 21464 | 7.5 | 87(ERP) | 220-240 | GU10         | 2700K  | 650       | 630      | 60°         | 10/100          |
| 21231 | 7.5 | 87(ERP) | 220-240 | GU10         | 3000K  | 650       | 630      | 60°         | 10/100          |

- Dimmerabile con la maggior parte dei dimmers in commercio. Dimmerabilità garantita con i dimmers per lampade LED. Vedi pagina 140.

Dimmable with most of the dimmers available on the market. Dimmability guaranteed with dimmers for LED bulbs. See page 140.

## STD DICROICALED TRP DIMMERABILE



## DICROICALED TRP DIMMERABILE

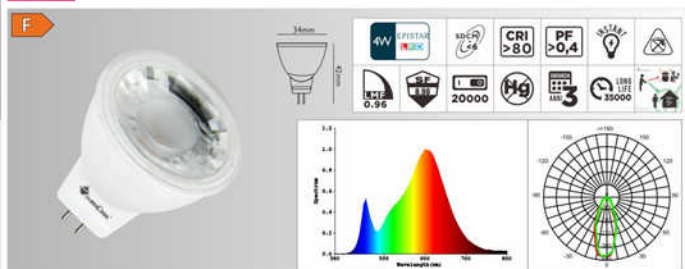
| code  | W   | W       | V       | attacco base | colore | lumen360° | lumen90° | fascio beam | imballo packing |
|-------|-----|---------|---------|--------------|--------|-----------|----------|-------------|-----------------|
| 21662 | 7.5 | 84(ERP) | 220-240 | GU10         | 3000K  | 620       | 610      | 60°         | 10/100          |

- Dimmerabile con la maggior parte dei dimmers in commercio. Dimmerabilità garantita con i dimmers per lampade LED. Vedi pagina 140.

Dimmable with most of the dimmers available on the market. Dimmability guaranteed with dimmers for LED bulbs. See page 140.



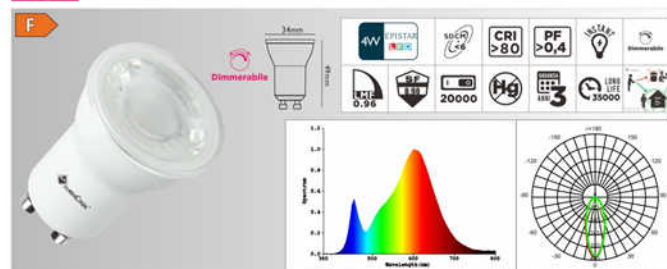
## STD MICROCALED GU4



## MICROCALED GU4

| codice | W | W       | V       | attacco | colore | lumen360' | lumen90' | fascio | imballo |
|--------|---|---------|---------|---------|--------|-----------|----------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen360' | lumen90' | beam   | packing |
| 21506  | 4 | 32(ERP) | 12AC/DC | GU4     | 3000K  | 330       | 320      | 38°    | 10/100  |

## STD MICROCALED GU10 DIMMERABILE



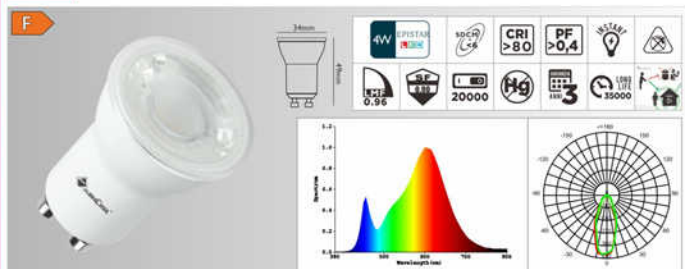
## MICROCALED GU10 DIMMERABILE

| codice | W | W       | V       | attacco | colore | lumen360' | lumen90' | fascio | imballo |
|--------|---|---------|---------|---------|--------|-----------|----------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen360' | lumen90' | beam   | packing |
| 21582  | 4 | 30(ERP) | 220-240 | GU10    | 3000K  | 300       | 290      | 38°    | 10/100  |

- Dimmerabile con la maggior parte dei dimmers in commercio. Dimmerabilità garantita con i dimmers per lampade LED. Vedi pagina 140.

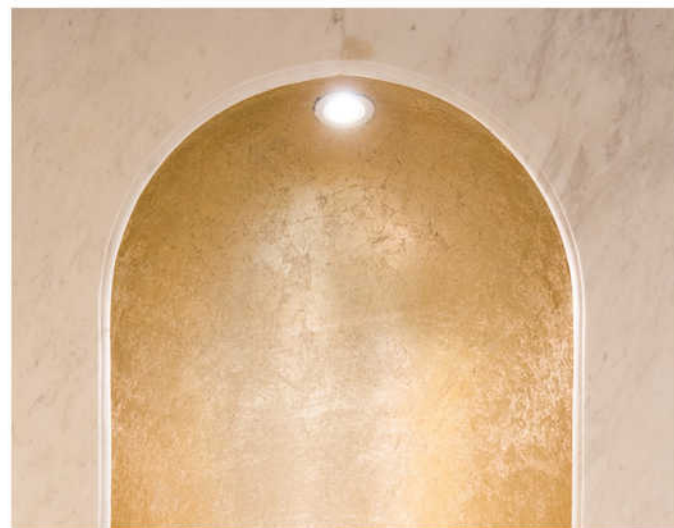
Dimmable with most of the dimmers available on the market. Dimmability guaranteed with dimmers for LED bulbs. See page 140.

## STD MICROCALED GU10

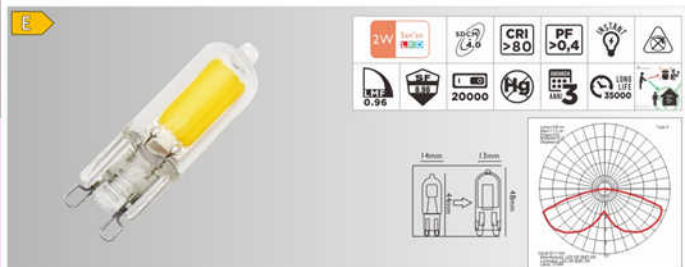


## MICROCALED GU10

| codice | W | W       | V       | attacco | colore | lumen360' | lumen90' | fascio | imballo |
|--------|---|---------|---------|---------|--------|-----------|----------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen360' | lumen90' | beam   | packing |
| 21534  | 4 | 46(ERP) | 220-240 | GU10    | 3000K  | 330       | 320      | 38°    | 10/100  |



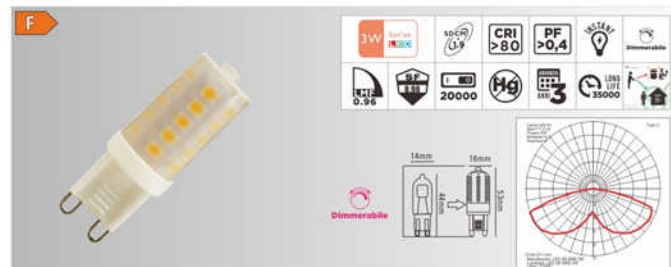
## STD G9LED



## G9LED

| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing |
| 21478  | 2 | 24(ERP) | 220-240 | G9      | 2700°K | 240   | 30°    | 10/1000 |
| 21479  | 2 | 25(ERP) | 220-240 | G9      | 4000°K | 250   | 30°    | 10/1000 |

## STD G9LED DIMMERABILE



## G9LED DIMMERABILE

| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing |
| 21452  | 3 | 25(ERP) | 220-240 | G9      | 2700°K | 250   | 30°    | 10/1000 |

- Dimmerabile con la maggior parte dei dimmers in commercio. Dimmerabilità garantita con i dimmers per lampade LED. Vedi pagina 140.

Dimmable with most of the dimmers available on the market.  
Dimmability guaranteed with dimmers for LED bulbs. See page 140.

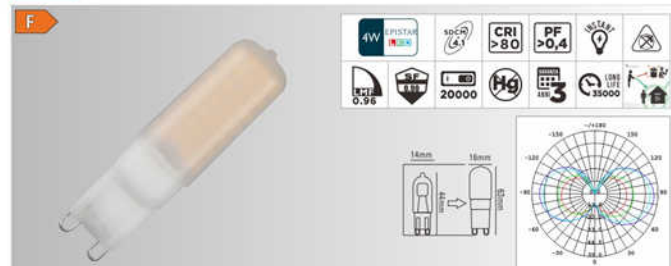
## STD G9LED



## G9LED

| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo  |
|--------|---|---------|---------|---------|--------|-------|--------|----------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing  |
| 21682  | 4 | 42(ERP) | 220-240 | G9      | 2700°K | 520   | 30°    | 100/1000 |
| 21683  | 4 | 45(ERP) | 220-240 | G9      | 4000°K | 560   | 30°    | 100/1000 |

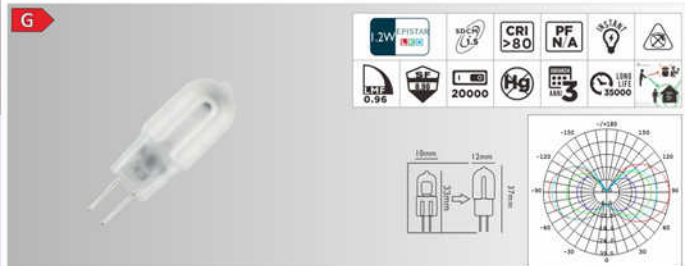
## STD G9LED



## G9LED

| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing |
| 21322  | 4 | 31(ERP) | 220-240 | G9      | 3000°K | 340   | 32°    | 20/200  |
| 21323  | 4 | 31(ERP) | 220-240 | G9      | 4000°K | 350   | 32°    | 20/200  |

## STD G4LED

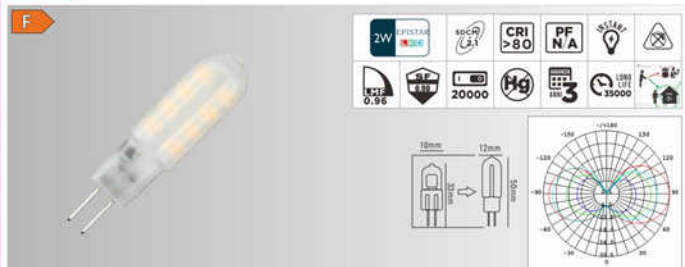


## G4LED

| codice | W   | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|-----|---------|---------|---------|--------|-------|--------|---------|
| code   | W   | W       | V       | base    | colour | lumen | beam   | packing |
| 21197  | 1.2 | 1 (ERP) | 12AC/DC | G4      | 3000°K | 100   | 320°   | 20/200  |
| 21314  | 1.2 | 12(ERP) | 12AC/DC | G4      | 4000°K | 110   | 320°   | 20/200  |

- Questa lampada può operare con tutti i trasformatori elettromeccanici e la maggior parte di quelli elettronici. I nostri trasformatori elettronici per lampade LED sono assolutamente compatibili. Vedi pag. 139  
This lamp can work with all electro-magnetic transformers and with most electronic ones. Our electronic transformers for LED lamps are perfectly compatible. See page 139

## STD G4LED



## G4LED

| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing |
| 21320  | 2 | 19(ERP) | 12AC/DC | G4      | 3000°K | 190   | 320°   | 20/200  |
| 21321  | 2 | 20(ERP) | 12AC/DC | G4      | 4000°K | 200   | 320°   | 20/200  |

- Questa lampada può operare con tutti i trasformatori elettromeccanici e la maggior parte di quelli elettronici. I nostri trasformatori elettronici per lampade LED sono assolutamente compatibili. Vedi pag. 139  
This lamp can work with all electro-magnetic transformers and with most electronic ones. Our electronic transformers for LED lamps are perfectly compatible. See page 139

## STD PERRETTALED OPALE



## PERRETTALED OPALE

| codice | W   | W       | V       | attacco | colore | lumen | imballo |
|--------|-----|---------|---------|---------|--------|-------|---------|
| code   | W   | W       | V       | base    | colour | lumen | packing |
| 21269  | 1.5 | 16(ERP) | 220-240 | E14     | 3000°K | 150   | 1/200   |

## STD PERRETTALED



## PERRETTALED

| codice | W | W       | V       | attacco | colore | lumen | imballo |
|--------|---|---------|---------|---------|--------|-------|---------|
| code   | W | W       | V       | base    | colour | lumen | packing |
| 21021  | 1 | 11(ERP) | 220-240 | E14     | 3000°K | 100   | 1/100   |



## STD R39LED



## R39LED

| codice | W | V       | attacco | colore | lumen360/cd | lumen90° | fascio | imballo |
|--------|---|---------|---------|--------|-------------|----------|--------|---------|
| code   | W | V       | base    | colour | lumen360/cd | lumen90° | beam   | packing |
| 21232  | 3 | 220-240 | E14     | 3000°K | 250/69      | 240      | 120°   | 10/100  |

## STD R63LED EVO ALTA\_EFFICIENZA/HIGH EFFICIENCY



## R63LED EVO

| codice | W | V       | attacco | colore | lumen360/cd | lumen90° | fascio | imballo |
|--------|---|---------|---------|--------|-------------|----------|--------|---------|
| code   | W | V       | base    | colour | lumen360/cd | lumen90° | beam   | packing |
| 21055  | 7 | 220-240 | E27     | 3000°K | 690/167     | 660      | 120°   | 10/100  |

## STD R50LED EVO



## R50LED EVO

| codice | W | V       | attacco | colore | lumen360/cd | lumen90° | fascio | imballo |
|--------|---|---------|---------|--------|-------------|----------|--------|---------|
| code   | W | V       | base    | colour | lumen360/cd | lumen90° | beam   | packing |
| 21141  | 5 | 220-240 | E14     | 3000°K | 400/130     | 380      | 120°   | 10/100  |

## STD R80LED EVO ALTA\_EFFICIENZA/HIGH EFFICIENCY



## R80LED EVO

| codice | W | V       | attacco | colore | lumen360/cd | lumen90° | fascio | imballo |
|--------|---|---------|---------|--------|-------------|----------|--------|---------|
| code   | W | V       | base    | colour | lumen360/cd | lumen90° | beam   | packing |
| 21057  | 9 | 220-240 | E27     | 3000°K | 910/330     | 860      | 120°   | 10/40   |

## STD ELLISSOILED\_EVO 130 lm/W



## ELLISSOILED\_EVO

| codice code | W  | W        | V       | attacco base | colore colour | lumen lumen | fascio beam | imballo packing |
|-------------|----|----------|---------|--------------|---------------|-------------|-------------|-----------------|
| 21643       | 30 | 154(ERP) | 220-240 | E27/E40      | 1800°K        | 2550        | 330°        | 1/20            |
| 21644       | 20 | 152(ERP) | 220-240 | E27/E40      | 3000°K        | 2500        | 330°        | 1/20            |
| 21645       | 20 | 157(ERP) | 220-240 | E27/E40      | 4000°K        | 2600        | 330°        | 1/20            |

## STD ELLISSOILED\_EVO 130 lm/W



## ELLISSOILED\_EVO

| codice code | W  | W        | V       | attacco base | colore colour | lumen lumen | fascio beam | imballo packing |
|-------------|----|----------|---------|--------------|---------------|-------------|-------------|-----------------|
| 21649       | 50 | 239(ERP) | 220-240 | E27/E40      | 1800°K        | 4250        | 330°        | 1/20            |
| 21650       | 40 | 277(ERP) | 220-240 | E27/E40      | 3000°K        | 5000        | 330°        | 1/20            |
| 21651       | 40 | 287(ERP) | 220-240 | E27/E40      | 4000°K        | 5200        | 330°        | 1/20            |

\* QUESTE LAMPADRE POSSONO ESSERE INSTALLATE IN APPARECCHI CHIUSI  
 \* THESE BULBS CAN BE INSTALLED IN CLOSED FIXTURES

## STD ELLISSOILED\_EVO 130 lm/W

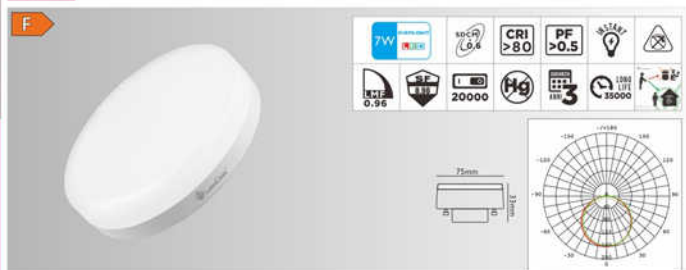


## ELLISSOILED\_EVO

| codice code | W  | W        | V       | attacco base | colore colour | lumen lumen | fascio beam | imballo packing |
|-------------|----|----------|---------|--------------|---------------|-------------|-------------|-----------------|
| 21646       | 40 | 197(ERP) | 220-240 | E27/E40      | 1800°K        | 3400        | 330°        | 1/20            |
| 21647       | 30 | 214(ERP) | 220-240 | E27/E40      | 3000°K        | 3750        | 330°        | 1/20            |
| 21648       | 30 | 222(ERP) | 220-240 | E27/E40      | 4000°K        | 3900        | 330°        | 1/20            |



## STD PIATTADECO



## PIATTALED

| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing |
| 21529  | 7 | 50(ERP) | 220-240 | GX53-I  | 3000°K | 650   | 100°   | 10/100  |

## STD PIATTADECO DIMMERABILE

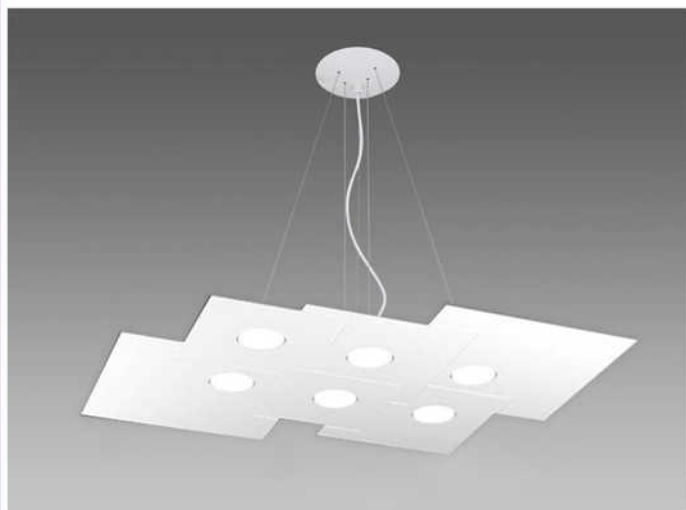


## PIATTALED DIMMERABILE

| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing |
| 21530  | 7 | 47(ERP) | 220-240 | GX53-I  | 3000°K | 600   | 100°   | 10/100  |

- Dimmerabile con la maggior parte dei dimmers in commercio.  
Dimmerabilità garantita con i dimmers per lampade LED. Vedi pagina 140.

*Dimmable with most of the dimmers available on the market.  
Dimmability guaranteed with dimmers for LED bulbs. See page 140.*





ECO  2

FILOLED

La gamma più ampia per il mercato consumer grazie anche ad un prezzo entry level, offre una scelta totale per il relamping della casa e quant'altro.

Un range che include tutte le tecnologie led, smd, cob e filoled con cui poter trovare una soluzione a tutte le esigenze.

Garanzia 2 anni.

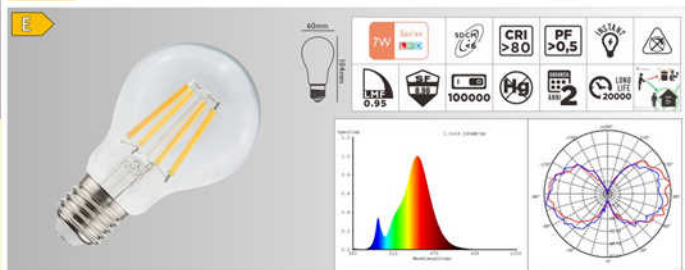
*It's the widest range for the consumer market and thanks to an interesting entry level price it offers an extensive choice of bulbs for home or other areas where re-lamping is required.*

*SMD, COB or FILAMENT LED technology are all available to meet any customer's request.*

*2 years warranty*



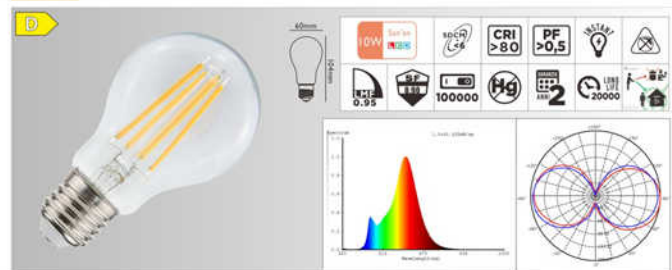
## ECO GOCCIALED FIOLED



## GOCCIALED FIOLED

| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing |
| 21549  | 7 | 60(ERP) | 220-240 | E27     | 2700°K | 806   | 360°   | 10/100  |
| 21592  | 7 | 60(ERP) | 220-240 | E27     | 4000°K | 806   | 360°   | 10/100  |

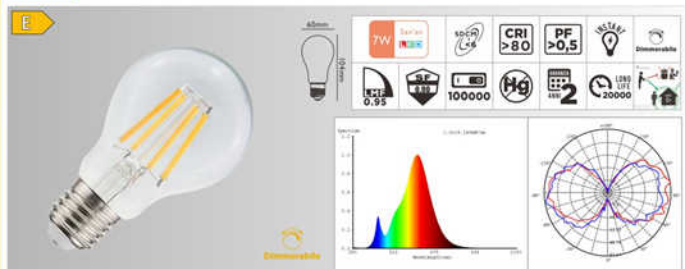
## ECO GOCCIALED FIOLED



## GOCCIALED FIOLED

| codice | W    | W        | V       | attacco | colore | lumen | fascio | imballo |
|--------|------|----------|---------|---------|--------|-------|--------|---------|
| code   | W    | W        | V       | base    | colour | lumen | beam   | packing |
| 21550  | 10.5 | 100(ERP) | 220-240 | E27     | 2700°K | 1521  | 360°   | 10/100  |

## ECO GOCCIALED FIOLED DIMMERABILE



## GOCCIALED FIOLED DIMMERABILE

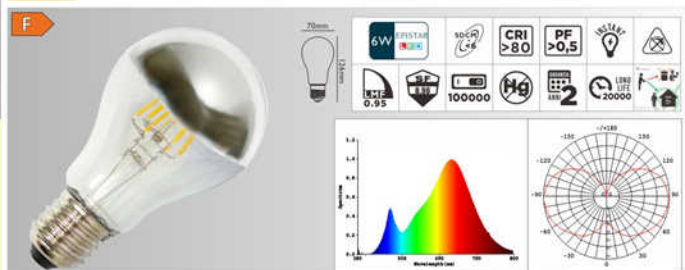
| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing |
| 21551  | 7 | 60(ERP) | 220-240 | E27     | 2700°K | 806   | 360°   | 10/100  |

- Dimmerabile con la maggior parte dei dimmers in commercio.  
Dimmerabilità garantita con i dimmers per lampade LED. Vedi pagina 140.

Dimmable with most of the dimmers available on the market.  
Dimmability guaranteed with dimmers for LED bulbs. See page 140.



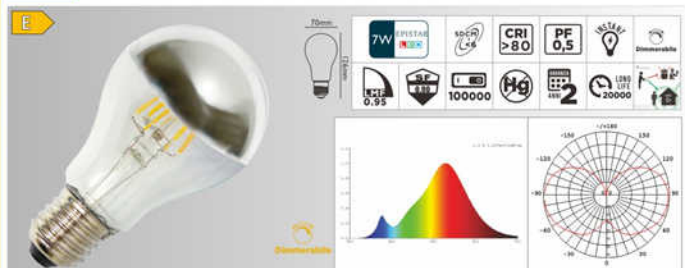
## ECO GOCCIALED A70 FILED CUPOLA ARGENTATA



## GOCCIALED A70 FILED CUPOLA ARGENTATA TUTTO VETRO

| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing |
| 21217  | 6 | 41(ERP) | 220-240 | E27     | 2700°K | 510   | 360°   | 5/50    |

## ECO GOCCIALED A70 FILED CUPOLA ARGENTATA DIMMERABILE



## GOCCIALED A70 FILED CUPOLA ARGENTATA DIMMERABILE TUTTO VETRO

| codice | W | W  | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|----|---------|---------|--------|-------|--------|---------|
| code   | W | W  | V       | base    | colour | lumen | beam   | packing |
| 21393  | 7 | 58 | 220-240 | E27     | 2700°K | 800   | 360°   | 5/50    |

- Dimmerabile con la maggior parte dei dimmers in commercio. Dimmerabilità garantita con i dimmers per lampade LED. Vedi pagina 140.

Dimmable with most of the dimmers available on the market.  
Dimmability guaranteed with dimmers for LED bulbs. See page 140.

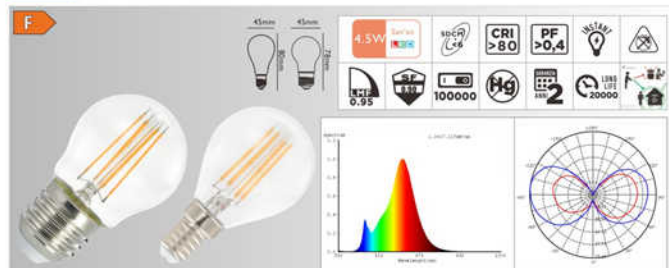
## ECO SFERALE FILED



## SFERALE FILED

| codice | W   | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|-----|---------|---------|---------|--------|-------|--------|---------|
| code   | W   | W       | V       | base    | colour | lumen | beam   | packing |
| 21554  | 2.5 | 25(ERP) | 220-240 | E14     | 2700°K | 250   | 360°   | 10/100  |
| 21555  | 2.5 | 25(ERP) | 220-240 | E27     | 2700°K | 250   | 360°   | 10/100  |

## ECO SFERALE FILED



## SFERALE FILED

| codice | W   | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|-----|---------|---------|---------|--------|-------|--------|---------|
| code   | W   | W       | V       | base    | colour | lumen | beam   | packing |
| 21556  | 4.5 | 40(ERP) | 220-240 | E14     | 2700°K | 470   | 360°   | 10/100  |
| 21557  | 4.5 | 40(ERP) | 220-240 | E27     | 2700°K | 470   | 360°   | 10/100  |
| 21593  | 4.5 | 40(ERP) | 220-240 | E14     | 4000°K | 470   | 360°   | 10/100  |

## ECO SFERALED FIOLED DIMMERABILE



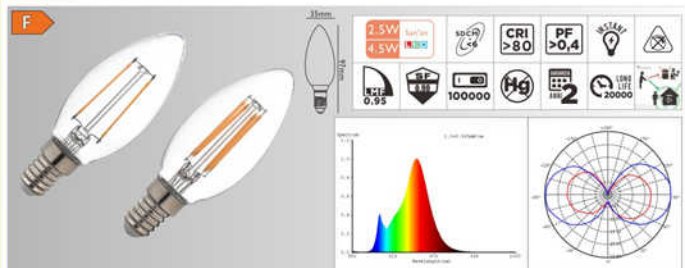
## SFERALED FIOLED DIMMERABILE

| codice | W   | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|-----|---------|---------|---------|--------|-------|--------|---------|
| code   | W   | W       | V       | base    | colour | lumen | beam   | packing |
| 21558  | 4.5 | 40(ERP) | 220-240 | E14     | 2700°K | 470   | 360°   | 10/100  |
| 21694  | 4.5 | 40(ERP) | 220-240 | E27     | 2700°K | 470   | 360°   | 10/100  |

- Dimmerabile con la maggior parte dei dimmers in commercio. Dimmerabilità garantita con i dimmers per lampade LED. Vedi pagina 140.

Dimmable with most of the dimmers available on the market.  
Dimmability guaranteed with dimmers for LED bulbs. See page 140.

## ECO OLIVALED FIOLED



## OLIVALED FIOLED

| codice | W   | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|-----|---------|---------|---------|--------|-------|--------|---------|
| code   | W   | W       | V       | base    | colour | lumen | beam   | packing |
| 21552  | 2.5 | 25(ERP) | 220-240 | E14     | 2700°K | 250   | 360°   | 10/100  |
| 21553  | 4.5 | 40(ERP) | 220-240 | E14     | 2700°K | 470   | 360°   | 10/100  |
| 21594  | 4.5 | 40(ERP) | 220-240 | E14     | 4000°K | 470   | 360°   | 10/100  |

## ECO PERETTALED FIOLED



## PERETTALED FIOLED TUTTO VETRO

| codice | W   | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|-----|---------|---------|---------|--------|-------|--------|---------|
| code   | W   | W       | V       | base    | colour | lumen | beam   | packing |
| 21216  | 1.2 | 15(ERP) | 220-240 | E14     | 2700°K | 140   | 360°   | 10/400  |

## ECO PERETTALED ST26 FIOLED DIMMERABILE



## PERETTALED ST26 FIOLED DIMMERABILE TRASPARENTE/CLEAR

| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing |
| 21686  | 2 | 20(ERP) | 220-240 | E14     | 2700°K | 160   | 360°   | 30/600  |

## PERETTALED ST26 FIOLED DIMMERABILE SATINATA/FROSTED

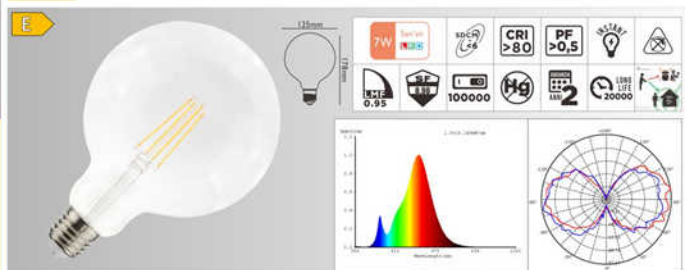
| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing |
| 21687  | 2 | 20(ERP) | 220-240 | E14     | 2700°K | 150   | 360°   | 30/600  |

- Dimmerabile con la maggior parte dei dimmers in commercio. Dimmerabilità garantita con i dimmers per lampade LED. Vedi pagina 140.

Dimmable with most of the dimmers available on the market.  
Dimmability guaranteed with dimmers for LED bulbs. See page 140.



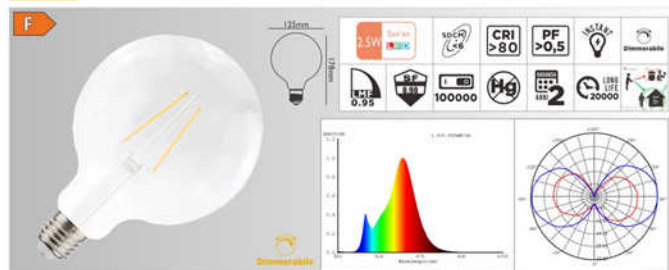
## ECO GLOBELED FILOLED



## GLOBELED FILOLED

| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing |
| 21545  | 7 | 60(ERP) | 220-240 | E27     | 2700°K | 806   | 360°   | 1/20    |

## ECO GLOBELED FILOLED DIMMERABILE



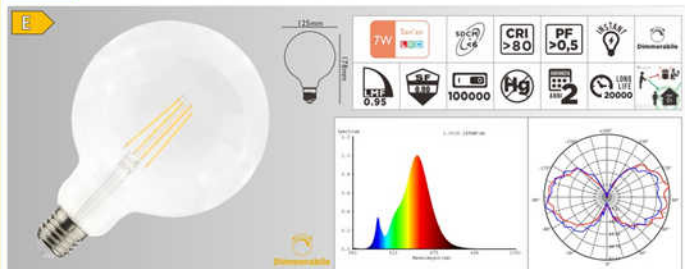
## GLOBELED FILOLED DIMMERABILE

| codice | W   | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|-----|---------|---------|---------|--------|-------|--------|---------|
| code   | W   | W       | V       | base    | colour | lumen | beam   | packing |
| 21547  | 2.5 | 25(ERP) | 220-240 | E27     | 2700°K | 250   | 360°   | 1/20    |

- Dimmerabile con la maggior parte dei dimmers in commercio. Dimmerabilità garantita con i dimmers per lampade LED. Vedi pagina 140.

Dimmable with most of the dimmers available on the market. Dimmability guaranteed with dimmers for LED bulbs. See page 140.

## ECO GLOBELED FILOLED DIMMERABILE



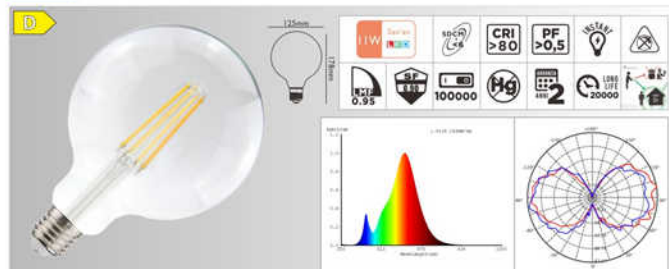
## GLOBELED FILOLED DIMMERABILE

| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing |
| 21548  | 7 | 60(ERP) | 220-240 | E27     | 2700°K | 806   | 360°   | 1/20    |

- Dimmerabile con la maggior parte dei dimmers in commercio. Dimmerabilità garantita con i dimmers per lampade LED. Vedi pagina 140.

Dimmable with most of the dimmers available on the market. Dimmability guaranteed with dimmers for LED bulbs. See page 140.

## ECO GLOBELED FILOLED

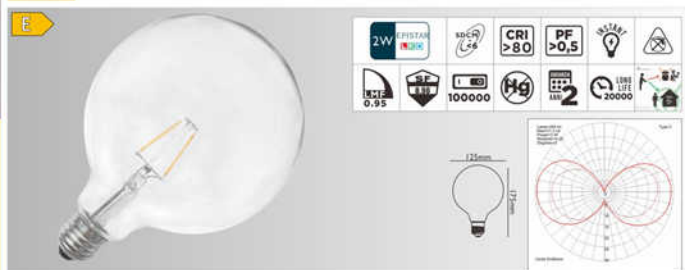


## GLOBELED FILOLED

| codice | W  | W        | V       | attacco | colore | lumen | fascio | imballo |
|--------|----|----------|---------|---------|--------|-------|--------|---------|
| code   | W  | W        | V       | base    | colour | lumen | beam   | packing |
| 21546  | 11 | 100(ERP) | 220-240 | E27     | 2700°K | 1521  | 360°   | 1/20    |



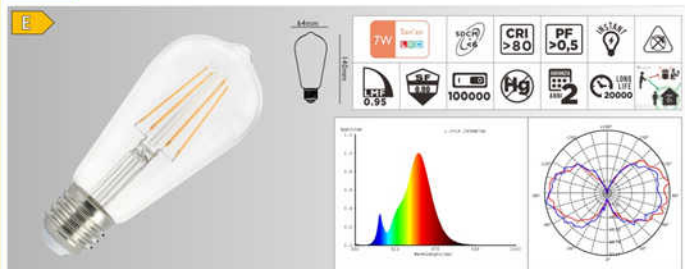
## ECO GLOBELED FILOLED



## GLOBELED FILOLED TUTTO VETRO

| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing |
| 21117  | 2 | 20(ERP) | 220-240 | E27     | 2700°K | 240   | 36°    | 1/20    |

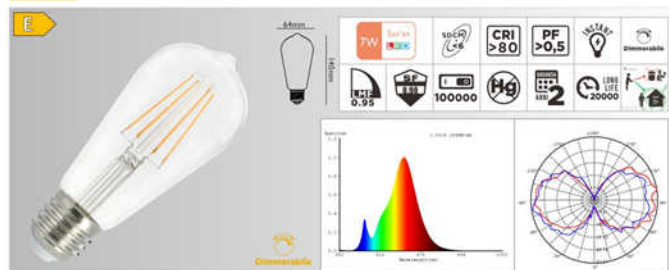
## ECO ST64 FILOLED



## ST64 FILOLED

| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing |
| 21559  | 7 | 60(ERP) | 220-240 | E27     | 2700°K | 806   | 36°    | 10/80   |

## ECO ST64 FILOLED DIMMERABILE



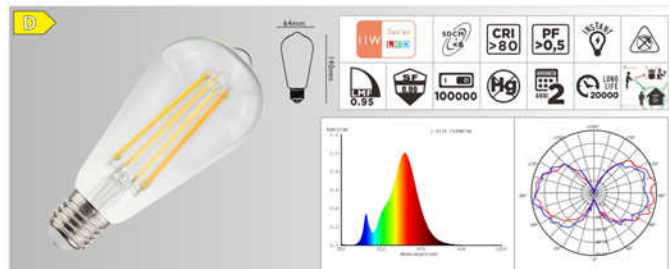
## ST64 FILOLED DIMMERABILE

| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing |
| 21561  | 7 | 60(ERP) | 220-240 | E27     | 2700°K | 806   | 36°    | 10/80   |

- Dimmerabile con la maggior parte dei dimmers in commercio.  
Dimmerabilità garantita con i dimmers per lampade LED. Vedi pagina 140.

Dimmable with most of the dimmers available on the market.  
Dimmability guaranteed with dimmers for LED bulbs. See page 140.

## ECO ST64 FILOLED

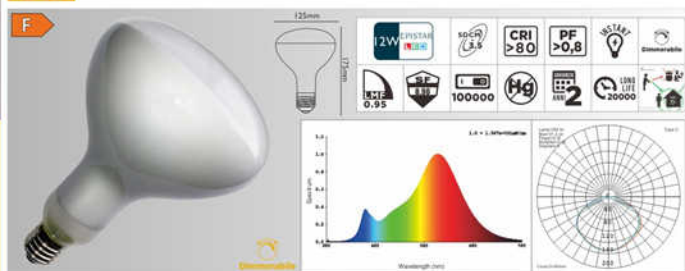


## ST64 FILOLED

| codice | W  | W        | V       | attacco | colore | lumen | fascio | imballo |
|--------|----|----------|---------|---------|--------|-------|--------|---------|
| code   | W  | W        | V       | base    | colour | lumen | beam   | packing |
| 21560  | 11 | 100(ERP) | 220-240 | E27     | 2700°K | 1521  | 36°    | 10/80   |



## ECO R125FILOLED DIMMERABILE



## R125FILOLED DIMMERABILE

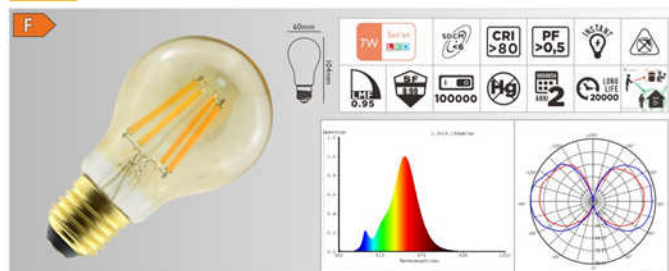
| codice | W  | V       | attacco | colore | lumen | fascio | imballo |
|--------|----|---------|---------|--------|-------|--------|---------|
| code   | W  | V       | base    | colour | lumen | beam   | packing |
| 21664  | 12 | 220-240 | E27     | 2700°K | 1180  | 360°   | 1/20    |

- Dimmerabile con la maggior parte dei dimmers in commercio.  
Dimmerabilità garantita con i dimmers per lampade LED. Vedi pagina 140.

Dimmable with most of the dimmers available on the market.  
Dimmability guaranteed with dimmers for LED bulbs. See page 140.



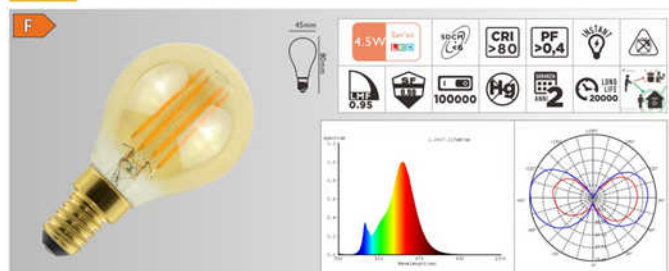
## ECO GOCCIALED FILOLED GOLD



## GOCCIALED FILOLED GOLD

| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing |
| 21562  | 7 | 54(ERP) | 220-240 | E27     | 2500°K | 725   | 360°   | 10/100  |

## ECO SFERALED FILOLED GOLD

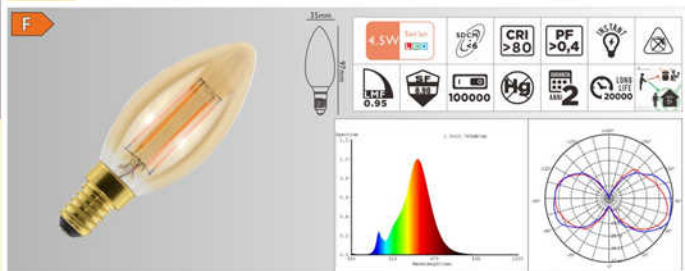


## SFERALED FILOLED GOLD

| codice | W   | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|-----|---------|---------|---------|--------|-------|--------|---------|
| code   | W   | W       | V       | base    | colour | lumen | beam   | packing |
| 21564  | 4.5 | 36(ERP) | 220-240 | E14     | 2500°K | 420   | 360°   | 10/100  |



## ECO OLIVALED FILOLED GOLD



## OLIVALED FILOLED GOLD

| codice | W   | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|-----|---------|---------|---------|--------|-------|--------|---------|
| code   | W   | W       | V       | base    | colour | lumen | beam   | packing |
| 21563  | 4.5 | 36(ERP) | 220-240 | E14     | 2500°K | 420   | 360°   | 10/100  |





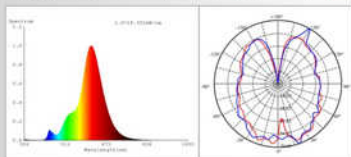
## ECO MAXIGOCCIALED GOLD



160mm



290mm



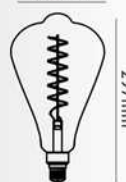
## MAXIGOCCIALED GOLD

| codice | W   | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|-----|---------|---------|---------|--------|-------|--------|---------|
| code   | W   | W       | V       | base    | colour | lumen | beam   | packing |
| 21567  | 8.5 | 47(ERP) | 220-240 | E27     | 1800°K | 600   | 360°   | 1/6     |

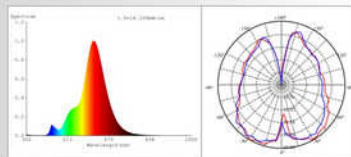
## ECO ST164 FILOLED GOLD



164mm



297mm

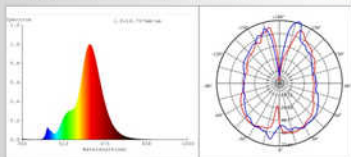


## ST164 FILOLED GOLD

| codice | W   | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|-----|---------|---------|---------|--------|-------|--------|---------|
| code   | W   | W       | V       | base    | colour | lumen | beam   | packing |
| 21568  | 8.5 | 47(ERP) | 220-240 | E27     | 1800°K | 600   | 360°   | 1/6     |



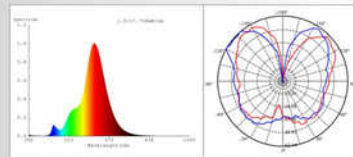
## ECO MAXIGLOBOLED GOLD



## MAXIGLOBOLED GOLD

| codice | W   | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|-----|---------|---------|---------|--------|-------|--------|---------|
| code   | W   | W       | V       | base    | colour | lumen | beam   | packing |
| 21569  | 8.5 | 47(ERP) | 220-240 | E27     | 1800°K | 600   | 360°   | 1/6     |

## ECO MAXITUBOLARE GOLD



## MAXITUBOLARE GOLD

| codice | W   | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|-----|---------|---------|---------|--------|-------|--------|---------|
| code   | W   | W       | V       | base    | colour | lumen | beam   | packing |
| 21570  | 8.5 | 47(ERP) | 220-240 | E27     | 1800°K | 600   | 360°   | 1/8     |





La gamma più ampia per il mercato consumer grazie anche ad un prezzo entry level, offre una scelta totale per il relamping della casa e quant'altro.

Un range che include tutte le tecnologie led, smd, cob e filole con cui poter trovare una soluzione a tutte le esigenze.  
Garanzia 2 anni.

*It's the widest range for the consumer market and thanks to an interesting entry level price it offers an extensive choice of bulbs for home or other areas where re-lamping is required.*

*SMD, COB or FILAMENT LED technology are all available to meet any customer's request.*

*2 years warranty*





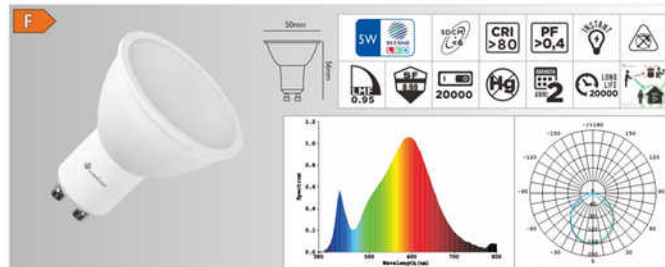
## ECO OLIVALED ECO



## OLIVALED ECO

| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing |
| 21282  | 5 | 38(ERP) | 220-240 | E14     | 3000°K | 450   | 24°    | 10/100  |
| 21283  | 5 | 39(ERP) | 220-240 | E14     | 4000°K | 460   | 24°    | 10/100  |
| 21284  | 5 | 40(ERP) | 220-240 | E14     | 6000°K | 470   | 24°    | 10/100  |

## ECO DICROLED ECO 120



## DICROLED ECO 120

| codice | W | V       | attacco | colore | lumen360° | lumen120° | fascio | imballo |
|--------|---|---------|---------|--------|-----------|-----------|--------|---------|
| code   | W | V       | base    | colour | lumen360° | lumen120° | beam   | packing |
| 21152  | 5 | 220-240 | GU10    | 3000°K | 400       | 380       | 120°   | 10/100  |
| 21153  | 5 | 220-240 | GU10    | 4000°K | 420       | 400       | 120°   | 10/100  |
| 21317  | 5 | 220-240 | GU10    | 6000°K | 440       | 420       | 120°   | 10/100  |

- lampada non idonea per l'illuminazione d'accento  
Bulb not suitable for spot lighting

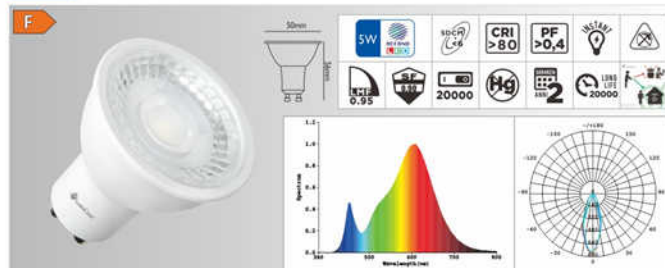
## ECO COLPO DI VENTOLED



## OLIVALED ECO

| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing |
| 21657  | 5 | 37(ERP) | 220-240 | E14     | 3000°K | 430   | 24°    | 10/100  |
| 21658  | 5 | 37(ERP) | 220-240 | E14     | 4000°K | 440   | 24°    | 10/100  |
| 21659  | 5 | 38(ERP) | 220-240 | E14     | 6000°K | 450   | 24°    | 10/100  |

## ECO DICROLED ECO 38

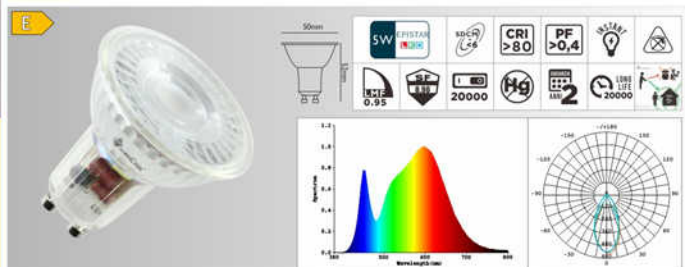


## DICROLED ECO 38

| codice | W | W       | V       | attacco | colore | lumen360° | lumen90° | fascio | imballo |
|--------|---|---------|---------|---------|--------|-----------|----------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen360° | lumen90° | beam   | packing |
| 21212  | 5 | 59(ERP) | 220-240 | GU10    | 3000°K | 430       | 420      | 38°    | 10/100  |
| 21213  | 5 | 62(ERP) | 220-240 | GU10    | 4000°K | 450       | 440      | 38°    | 10/100  |



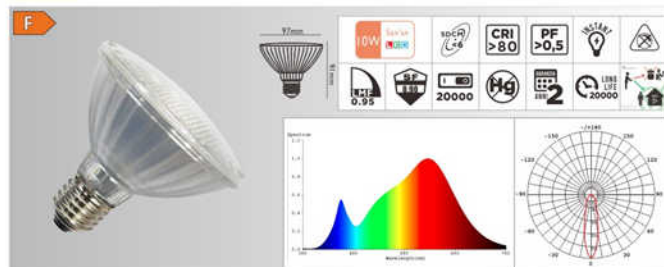
## ECO DECO-SMD-5



## DECO-SMD-5

| codice | W | W       | V       | attacco | colore | lumen360° | lumen90° | fascio | imballo |
|--------|---|---------|---------|---------|--------|-----------|----------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen360° | lumen90° | beam   | packing |
| 21527  | 5 | 63(ERP) | 220-240 | GU10    | 3000K  | 480       | 470      | 48°    | 10/100  |
| 21528  | 5 | 66(ERP) | 220-240 | GU10    | 4000K  | 490       | 480      | 48°    | 10/100  |

## ECO PAR30LED



## PAR30LED TUTTO VETRO

| codice | W  | W       | V       | attacco | colore | lumen360° | lumen90° | fascio | imballo |
|--------|----|---------|---------|---------|--------|-----------|----------|--------|---------|
| code   | W  | W       | V       | base    | colour | lumen360° | lumen90° | beam   | packing |
| 21533  | 10 | 91(ERP) | 220-240 | E27     | 3000K  | 800       | 780      | 50°    | 1/20    |

## ECO ECO-PIATTEDECO

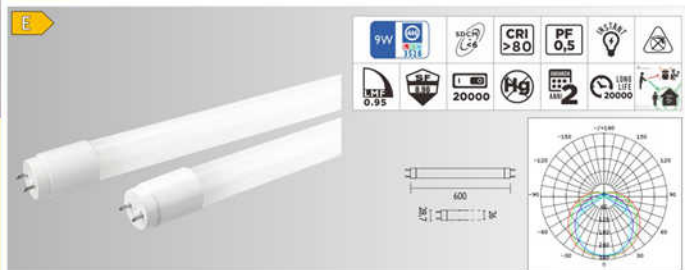


## ECO-PIATTEDECO

| codice | W | W       | V       | attacco | colore | lumen | fascio | imballo |
|--------|---|---------|---------|---------|--------|-------|--------|---------|
| code   | W | W       | V       | base    | colour | lumen | beam   | packing |
| 21583  | 7 | 47(ERP) | 220-240 | GX53-1  | 3000K  | 600   | 100°   | 10/100  |
| 21584  | 7 | 48(ERP) | 220-240 | GX53-1  | 4000K  | 620   | 100°   | 10/100  |
| 21585  | 7 | 50(ERP) | 220-240 | GX53-1  | 6000K  | 640   | 100°   | 10/100  |



## ECO TUBI LED T8 9 120lm/W



## TUBI LED T8 9 120lm/W

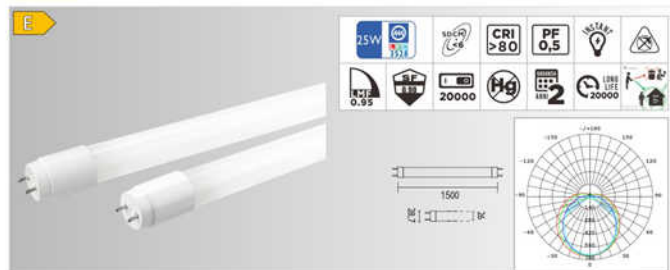
| codice<br>code | W<br>W | W<br>W | V<br>V    | attacco<br>base | colore<br>colour | lumen<br>lumen | fascio<br>beam | imballo<br>packing |
|----------------|--------|--------|-----------|-----------------|------------------|----------------|----------------|--------------------|
| 21624          | 9      | 18     | AC180-264 | G13             | 4000K            | 1080           | 27°            | 25                 |
| 21628          | 9      | 18     | AC180-264 | G13             | 6000K            | 1080           | 27°            | 25                 |

- Tubi LED T8 per collegamento diretto tensione di rete o per alimentatore elettromeccanico previa sostituzione starter.
- Non utilizzare in collegamenti in serie.
- Per collegamento diretto alla tensione di rete verificare con cura che la testata contrassegnata da "INPUT L-N" venga collegata alla morsettiera in entrata

T8 LED tubes for direct mains voltage connection or for electromechanical ballast replacing the starter.  
Not suitable for series connection.

For direct connection to mains voltage please make sure the pins labeled "INPUT L-N" are connected to the terminal board.

## ECO TUBI LED T8 25 120lm/W



## TUBI LED T8 25 120lm/W

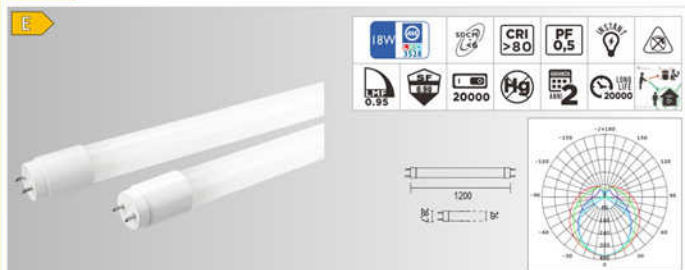
| codice<br>code | W<br>W | W<br>W | V<br>V    | attacco<br>base | colore<br>colour | lumen<br>lumen | fascio<br>beam | imballo<br>packing |
|----------------|--------|--------|-----------|-----------------|------------------|----------------|----------------|--------------------|
| 21627          | 25     | 58     | AC180-264 | G13             | 4000K            | 3000           | 27°            | 25                 |
| 21631          | 25     | 58     | AC180-264 | G13             | 6000K            | 3000           | 27°            | 25                 |

- Tubi LED T8 per collegamento diretto tensione di rete o per alimentatore elettromeccanico previa sostituzione starter.
- Non utilizzare in collegamenti in serie.
- Per collegamento diretto alla tensione di rete verificare con cura che la testata contrassegnata da "INPUT L-N" venga collegata alla morsettiera in entrata

T8 LED tubes for direct mains voltage connection or for electromechanical ballast replacing the starter.  
Not suitable for series connection.

For direct connection to mains voltage please make sure the pins labeled "INPUT L-N" are connected to the terminal board.

## ECO TUBI LED T8 18 120lm/W



## TUBI LED T8 18 120lm/W

| codice<br>code | W<br>W | W<br>W | V<br>V    | attacco<br>base | colore<br>colour | lumen<br>lumen | fascio<br>beam | imballo<br>packing |
|----------------|--------|--------|-----------|-----------------|------------------|----------------|----------------|--------------------|
| 21626          | 18     | 36     | AC180-264 | G13             | 4000K            | 2160           | 27°            | 25                 |
| 21630          | 18     | 36     | AC180-264 | G13             | 6000K            | 2160           | 27°            | 25                 |

- Tubi LED T8 per collegamento diretto tensione di rete o per alimentatore elettromeccanico previa sostituzione starter.
- Non utilizzare in collegamenti in serie.
- Per collegamento diretto alla tensione di rete verificare con cura che la testata contrassegnata da "INPUT L-N" venga collegata alla morsettiera in entrata

T8 LED tubes for direct mains voltage connection or for electromechanical ballast replacing the starter.  
Not suitable for series connection.

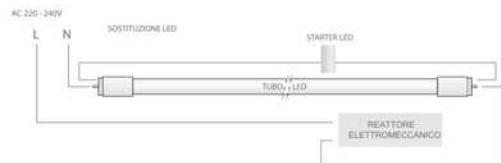
For direct connection to mains voltage please make sure the pins labeled "INPUT L-N" are connected to the terminal board.





## Accessori/Accessories

| codice<br>code                   | imballo<br>packing |
|----------------------------------|--------------------|
| 21632   STARTER PER ECO-TUBO LED | 25/1000            |



IMPORTANTE:



No  
hazard  
waste

UV  
STOP



CE





## STRIPLED E PROFILI

Una gamma completa di strisce led che incontra tutte le esigenze progettuali.

La gamma PRO con 4/5 anni di garanzia è adatta agli impieghi dove la qualità della luce e le aspettative di vita sono parametri fondamentali.

La gamma ECO con 2 anni di garanzia è caratterizzata da un ottimo rapporto prezzo - qualità.

A corredo, per una corretta installazione, profili, schermi ed alimentatori.

-Angolo diffusione luce 120°

-Curvatura massima d.6 cm.

-Temperatura ambiente -20°/+45°C

## LED STRIPS AND PROFILES

A wide range of LED strips which meets any project's requirement. The PRO range with 4/5 years warranty is suitable for applications where the light quality and life are fundamental. The ECO range with 2 years warranty and with an excellent price/quality ratio.

To ensure a correct and reliable installation, aluminium profiles, diffusers, drivers and other accessories are provided.

-View angle: 120°

-Flexible with a maximum bend diameter of 6 cm

-Ambient temperature: -20°/+45°C

| Lumen/m@4000K   | CONSTANT CURRENT | LED CHIPS/M        | COD.     | PAG. |
|-----------------|------------------|--------------------|----------|------|
| 492LM           |                  | 60 led chips/m     | 21972/24 | P97  |
| Lumen/m@4000K   | COB SERIES       | LED CHIPS/M        | COD.     | PAG. |
| 1420LM          |                  | 480 led chips/m    | 21969/24 | P100 |
| Lumen/m@3000K   | SMD              | LED CHIPS/M        | COD.     | PAG. |
| 933LM<br>CRU>90 |                  | 120 led chips/m    | 21949/24 | P101 |
| 730LM<br>CRE>90 |                  | 120 led chips/m    | 21948/24 | P102 |
| Lumen/m@4000K   | SMD              | LED CHIPS/M        | COD.     | PAG. |
| 3700LM          |                  | 224 led chips/m    | 21961/24 | P104 |
| 2704LM          |                  | 160 led chips/m    | 21959/24 | P105 |
| 1900LM          |                  | 240 led chips/m    | 21954/24 | P106 |
| 1600LM          |                  | 120 led chips/m    | 21923/24 | P107 |
| 1440LM          |                  | 120 led chips/m    | 21925/24 | P108 |
| 300LM           |                  | 60 led chips/m RGB | 21934/24 | P109 |
| 1230LM          |                  | 60 led chips/m     | 21945/24 | P113 |
| 1050LM          |                  | 120 led chips/m    | 21957/24 | P115 |
| 540LM           |                  | 60 led chips/m     | 21967/24 | P117 |



Strisce LED  
LED strips

- Angolo diffusione:  $\angle 20^\circ$
- Flessione massima fino ad una curvatura  $\varnothing 6\text{cm}$
- Striscia flessibile di 25m con LED SMD
- Utilizzabile in innumerevoli applicazioni come illuminazione decorativa o scenografica (bar, ristoranti, negozi, hotel, giardini, centri benessere, residenziale, ecc.)
- Temperatura ambiente:  $-20^\circ/45^\circ$

- View angle:  $\angle 20^\circ$
- Flexible with a maximum bend diameter of  $6\text{cm}$
- flexible strip with SMD LED (25m reel)
- Suitable for several applications like decorative or accent lighting (bars, restaurants, shops, hotels, gardens, spa, homes, etc.)
- Ambient temperature:  $-20^\circ/45^\circ$

- Angolo diffusione:  $\angle 20^\circ$
- Flessione massima fino ad una curvatura  $\varnothing 6\text{cm}$
- Striscia flessibile di 25m con LED SMD
- Utilizzabile in innumerevoli applicazioni come illuminazione decorativa o scenografica (bar, ristoranti, negozi, hotel, giardini, centri benessere, residenziale, ecc.)
- Temperatura ambiente:  $-20^\circ/45^\circ$

- View angle:  $\angle 20^\circ$
- Flexible with a maximum bend diameter of  $6\text{cm}$
- flexible strip with SMD LED (25m reel)
- Suitable for several applications like decorative or accent lighting (bars, restaurants, shops, hotels, gardens, spa, homes, etc.)
- Ambient temperature:  $-20^\circ/45^\circ$

## PRO CONSTANT CURRENT 4.32W\_LED 2835\_510lm/m Bobina/Reel 25m

Stessa luminosità per tutta la strip/Same consistent brightness for the whole strip



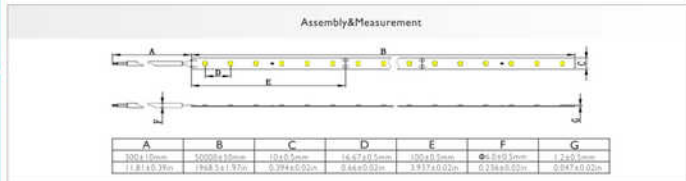
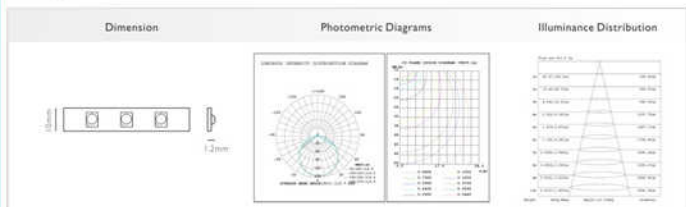
### LED 2835 IP20

| codice<br>code | colore<br>colour | nr. Led/m<br>nr. Led/m | lumen/m<br>lumen/m | V  | W/m<br>power/m | lunghezza<br>reel length | bobina<br>cutting unit | larghezza<br>width | superficie<br>heat sink                      | dissipante |
|----------------|------------------|------------------------|--------------------|----|----------------|--------------------------|------------------------|--------------------|--|------------|
| 21971/24       | 3000°K           | 60                     | 464                | 24 | 4.32           | 25m                      | 10cm                   | 10mm               | PR1_PR2_PR3_EVO_PR4_PR5<br>PR1_DEEP_PR2_DEEP |            |
| 21972/24       | 4000°K           | 60                     | 492                | 24 | 4.32           | 25m                      | 10cm                   | 10mm               | PR1_PR2_PR3_EVO_PR4_PR5<br>PR1_DEEP_PR2_DEEP |            |
| 21973/24       | 6000°K           | 60                     | 492                | 24 | 4.32           | 25m                      | 10cm                   | 10mm               | PR1_PR2_PR3_EVO_PR4_PR5<br>PR1_DEEP_PR2_DEEP |            |

Per tutte le versioni con potenza superiore a 14,4W/m, utilizzare un profilo in alluminio.  
Vedi pag 127-133.

For all strips with wattage over 14,4W, an aluminium profile must be used.  
See pages 127-133.

L80B10



## PRO CONSTANT CURRENT 4.32W\_LED 2835\_464lm/m Bobina/Reel 25m

Stessa luminosità per tutta la strip/Same consistent brightness for the whole strip



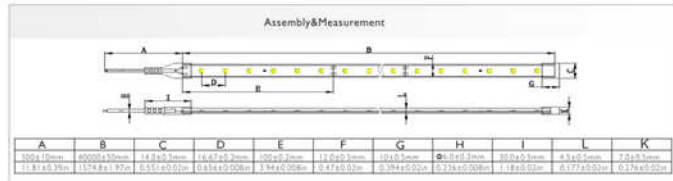
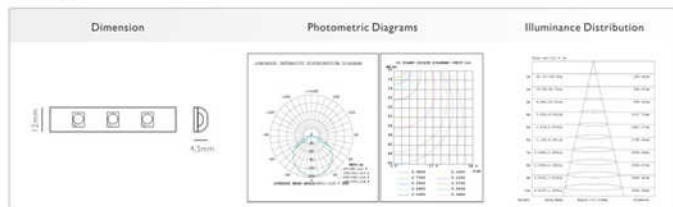
### LED 2835 IP67

| codice<br>code | colore<br>colour | nr. Led/m<br>nr. Led/m | lumen/m<br>lumen/m | V  | W/m<br>power/m | lunghezza<br>reel length | bobina<br>cutting unit | larghezza<br>width | superficie<br>heat sink                  | dissipante |
|----------------|------------------|------------------------|--------------------|----|----------------|--------------------------|------------------------|--------------------|--|------------|
| 21974/24       | 3000°K           | 60                     | 432                | 24 | 4.32           | 25m                      | 10cm                   | 12mm               | PR1_PR2_PR3_EVO_PR4<br>PR1_DEEP_PR2_DEEP |            |
| 21975/24       | 4000°K           | 60                     | 458                | 24 | 4.32           | 25m                      | 10cm                   | 12mm               | PR1_PR2_PR3_EVO_PR4<br>PR1_DEEP_PR2_DEEP |            |
| 21976/24       | 6000°K           | 60                     | 458                | 24 | 4.32           | 25m                      | 10cm                   | 12mm               | PR1_PR2_PR3_EVO_PR4<br>PR1_DEEP_PR2_DEEP |            |

Per tutte le versioni con potenza superiore a 14,4W/m, utilizzare un profilo in alluminio.  
Vedi pag 127-133.

For all strips with wattage over 14,4W, an aluminium profile must be used.  
See pages 127-133.

L80B10



# MARINO CRISTAL



Strisce COB  
COB strips

- Angolo diffusione:  $\pm 20^\circ$
- Flessione massima fino ad una curvatura  $\varnothing 5$  CM
- Striscia flessibile di 5m con COB LED
- Utilizzabile in innumerevoli applicazioni come illuminazione decorativa o scenografica (bar, ristoranti, negozi, hotel, giardini, centri benessere, residenziale, ecc.)
- Temperatura ambiente:  $-20^\circ/40^\circ$

- View angle:  $\pm 20^\circ$
- Flexible with a maximum bend of diameter of 5 cm
- Flexible strip with COB LED (5m reel)
- Suitable for several applications like decorative or accent lighting (bars, restaurants, shops, hotels, gardens, spa, homes, etc.)
- Ambient temperature:  $-20^\circ/40^\circ$

## PRO CRI > 90 COB STRIP IP20\_15W

- G 21968/24
- F 21969/24
- F 21970/24



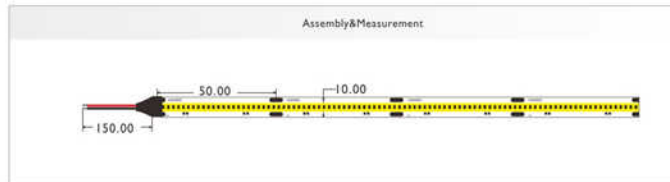
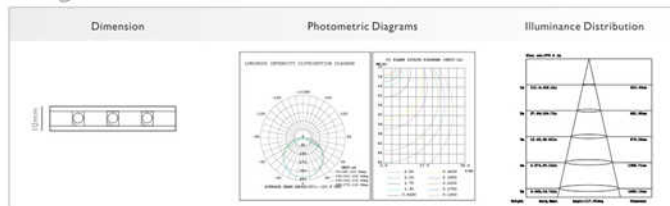
### COB STRIP IP20

| codice code | colore nr. Led/m colour nr. Led/m | lumen/m V lumen/m V | W/m power/m | lunghezza bobina reel length | unità taglio cutting unit | larghezza width | superficie dissipante heat sink                      |
|-------------|-----------------------------------|---------------------|-------------|------------------------------|---------------------------|-----------------|--|
| 21968/24    | 3000K                             | 480                 | 1360 24     | 15                           | 5m                        | 5cm             | 10mm<br>PRI_PR2_PR3_EVO_PR4_PR5<br>PRI_DEEP_PR2_DEEP |
| 21969/24    | 4000K                             | 480                 | 1420 24     | 15                           | 5m                        | 5cm             | 10mm<br>PRI_PR2_PR3_EVO_PR4_PR5<br>PRI_DEEP_PR2_DEEP |
| 21970/24    | 6000K                             | 480                 | 1500 24     | 15                           | 5m                        | 5cm             | 10mm<br>PRI_PR2_PR3_EVO_PR4_PR5<br>PRI_DEEP_PR2_DEEP |

Per tutte le versioni con potenza superiore a 14,4W/m, utilizzare un profilo in alluminio.  
Vedi pag 127-133.

For all strips with wattage over 14,4W, an aluminium profile must be used.  
See pages 127-133.

L80B10

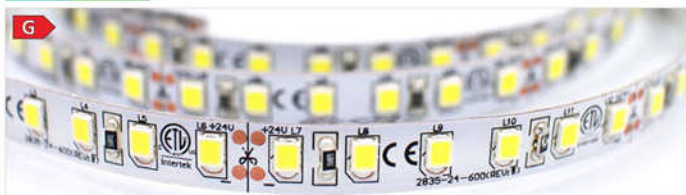


- Angolo diffusione: 120°
- Flessione massima fino ad una curvatura Ø 6cm
- Striscia flessibile di 5m/3m con LED SMD
- Utilizzabile in innumerevoli applicazioni come illuminazione decorativa o scenografica (bar, ristoranti, negozi, hotel, giardini, centri benessere, residenziale ecc.)
- Temperatura ambiente: -20°/45°

- View angle: 120°
- Flexible with a maximum bend diameter of 6cm
- flexible strip with SMD LED (5m/3m reel)
- Suitable for several applications like decorative or accent lighting (bars, restaurants, shops, hotels, gardens, spa, homes, etc.)
- Ambient temperature: -20°/45°

- Angolo diffusione: 120°
- Flessione massima fino ad una curvatura Ø 6cm
- Striscia flessibile di 5m con LED SMD
- Utilizzabile in innumerevoli applicazioni come illuminazione decorativa o scenografica (bar, ristoranti, negozi, hotel, giardini, centri benessere, residenziale ecc.)
- Temperatura ambiente: -20°/45°

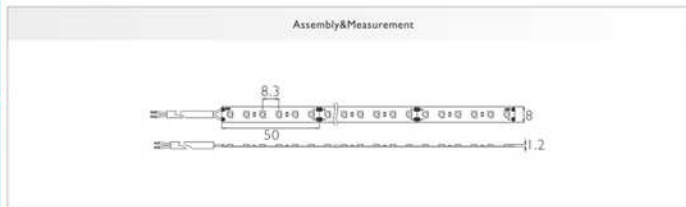
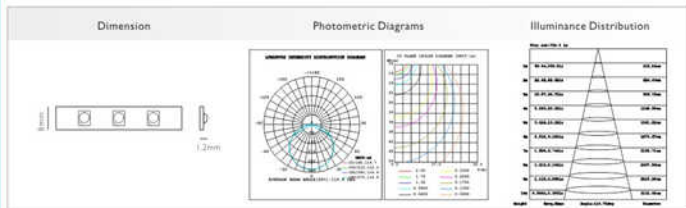
- View angle: 120°
- Flexible with a maximum bend diameter of 6cm
- flexible strip with SMD LED (5m reel)
- Suitable for several applications like decorative or accent lighting (bars, restaurants, shops, hotels, gardens, spa, homes, etc.)
- Ambient temperature: -20°/45°

**PRO** CRI>90 LED 2835 IP20\_14.4W

**LED 2835 IP20**

| codice   | colore | nr Led/m | lumen/m | V  | W/m     | lunghezza bobina | unità taglio | larghezza | superficie dissipante                        |
|----------|--------|----------|---------|----|---------|------------------|--------------|-----------|--|
| code     | colour | nr Led/m | lumen/m | V  | power/m | reel length      | cutting unit | width     | heat sink                                    |
| 21949/24 | 3000K  | 120      | 933     | 24 | 14.4    | 5m               | 5cm          | 8mm       | PR1,PR2,PR3_EVO,PR4,PR5<br>PR1_DEEP,PR2_DEEP |

Per tutte le versioni con potenza superiore a 14.4W/m, utilizzare un profilo in alluminio.  
Vedi pag.127-133.

For all strips with wattage over 14.4W, an aluminium profile must be used.  
See pages 127-133.

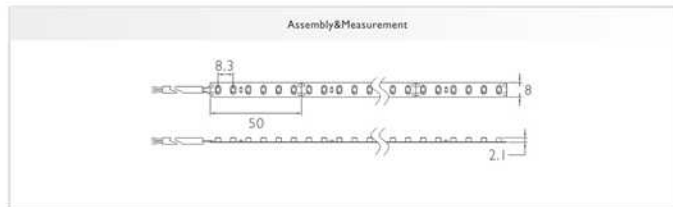
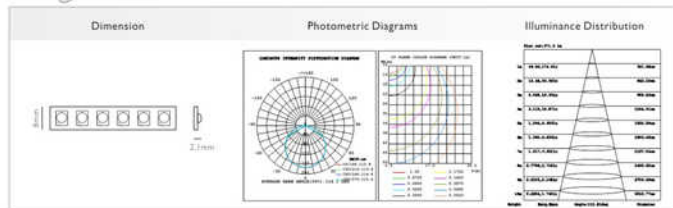
**LB0810**

**PRO** CRI>90 LED 2835 IP20\_9.6W

**LED 2835 IP20**

| codice   | colore | nr Led/m | lumen/m | V  | W/m     | lunghezza bobina | unità taglio | larghezza | superficie dissipante                        |
|----------|--------|----------|---------|----|---------|------------------|--------------|-----------|--|
| code     | colour | nr Led/m | lumen/m | V  | power/m | reel length      | cutting unit | width     | heat sink                                    |
| 21948/24 | 3000K  | 120      | 730     | 24 | 9.6     | 5m               | 5cm          | 8mm       | PR1,PR2,PR3_EVO,PR4,PR5<br>PR1_DEEP,PR2_DEEP |

Per tutte le versioni con potenza superiore a 14.4W/m, utilizzare un profilo in alluminio.  
Vedi pag.127-133.

For all strips with wattage over 14.4W, an aluminium profile must be used.  
See pages 127-133.

**LB0810**




- Angolo diffusione: 120°
- Flessione massima fino ad una curvatura Ø 6cm
- Striscia flessibile di 5m/3m con LED SMD
- Utilizzabile in innumerevoli applicazioni come illuminazione decorativa o scenografica (bar, ristoranti, negozi, hotel, giardini, centri benessere, residenziale, ecc.)
- Temperatura ambiente: -20°/45°

- View angle: 120°
- Flexible with a maximum bend diameter of 6cm
- flexible strip with SMD LED (5m/3m reel)
- Suitable for several applications like decorative or accent lighting (bars, restaurants, shops, hotels, gardens, spa, homes, etc.)
- Ambient temperature: -20°/45°

**PRO** HI-EFFICIENCY 135lm/W 26.88W\_LED 2835 >3629lm/m



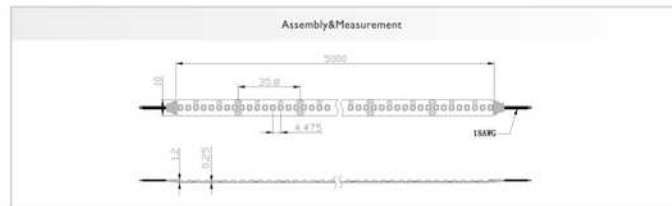
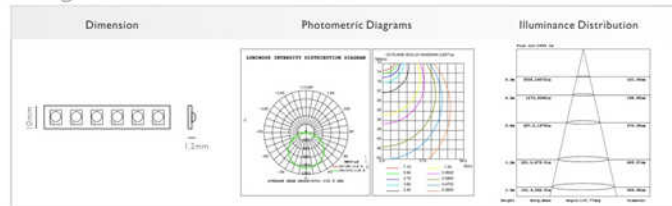
**LED 2835 IP20**

| codice<br>code | colore<br>colour | nr Led/m<br>nr Led/m | lumen/m<br>lumen/m | V<br>V | W/m<br>power/m | lunghezza bobina<br>reel length | unità taglio<br>cutting unit | larghezza<br>width | superficie dissipante<br>heat sink |
|----------------|------------------|----------------------|--------------------|--------|----------------|---------------------------------|------------------------------|--------------------|------------------------------------|
| 21960/24       | 3000°K           | 224                  | 3628               | 24     | 26.88          | 5m                              | 3.6cm                        | 10mm               | PR4                                |
| 21961/24       | 4000°K           | 224                  | 3700               | 24     | 26.88          | 5m                              | 3.6cm                        | 10mm               | PR4                                |

Per tutte le versioni con potenza superiore a 14.4W/m, utilizzare un profilo in alluminio.  
Vedi pag. 127-133.

For all strips with wattage over 14.4W/m, an aluminium profile must be used.  
See pages 127-133.

L80B10 



- Angolo diffusione:  $120^\circ$
- Flessione massima fino ad una curvatura  $\varnothing$  6cm
- Striscia flessibile di 5m con LED SMD
- Utilizzabile in innumerevoli applicazioni come illuminazione decorativa o scenografica (bar, ristoranti, negozi, hotel, giardini, centri benessere, residenziale, ecc.)
- Temperatura ambiente:  $-20^\circ/45^\circ$

- View angle:  $120^\circ$
- Flexible with a maximum bend diameter of 6cm
- flexible strip with SMD LED (5m reel)
- Suitable for several applications like decorative or accent lighting (bars, restaurants, shops, hotels, gardens, spa, homes, etc.)
- Ambient temperature:  $-20^\circ/45^\circ$

- Angolo diffusione:  $120^\circ$
- Flessione massima fino ad una curvatura  $\varnothing$  6cm
- Striscia flessibile di 5m con LED SMD
- Utilizzabile in innumerevoli applicazioni come illuminazione decorativa o scenografica (bar, ristoranti, negozi, hotel, giardini, centri benessere, residenziale, ecc.)
- Temperatura ambiente:  $-20^\circ/45^\circ$

- View angle:  $120^\circ$
- Flexible with a maximum bend diameter of 6cm
- flexible strip with SMD LED (5m reel)
- Suitable for several applications like decorative or accent lighting (bars, restaurants, shops, hotels, gardens, spa, homes, etc.)
- Ambient temperature:  $-20^\circ/45^\circ$

## PRO HI-EFFICIENCY 140lm/W 19.2W\_LED 2835 >2688lm/m



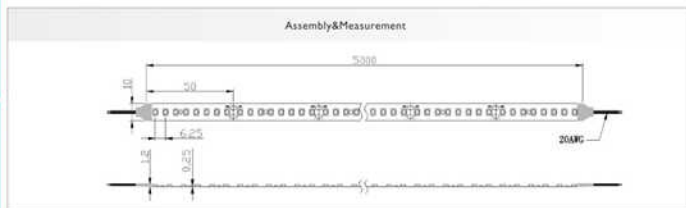
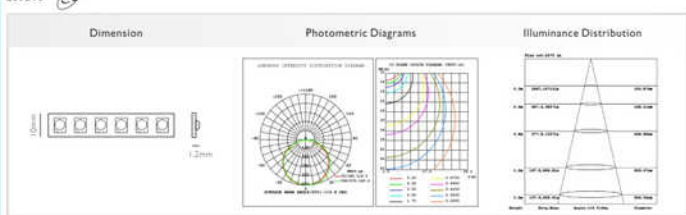
LED 2835 IP20

| codice   | colore | nr. Led/m | lumen/m | V  | W/m     | lunghezza bobina | unità taglio | larghezza | superficie dissipante         |
|----------|--------|-----------|---------|----|---------|------------------|--------------|-----------|-------------------------------|
| code     | colour | nr. Led/m | lumen/m | V  | power/m | reel length      | cutting unit | width     | heat sink                     |
| 21958/24 | 3000°K | 160       | 2688    | 24 | 19.2    | 5m               | 3cm          | 10mm      | PR3_EVO,PR4,PR1_DEEP,PR2_DEEP |
| 21959/24 | 4000°K | 160       | 2704    | 24 | 19.2    | 5m               | 3cm          | 10mm      | PR3_EVO,PR4,PR1_DEEP,PR2_DEEP |

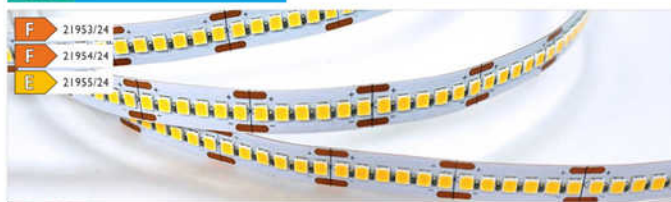
Per tutte le versioni con potenza superiore a 14.4W/m, utilizzare un profilo in alluminio.  
Vedi pag.127-133.

For all strips with wattage over 14.4W, an aluminium profile must be used.  
See pages 127-133.

L80B10



## PRO HI-EFFICIENCY 125lm/W 16.32W\_LED 2835 >2040lm/m



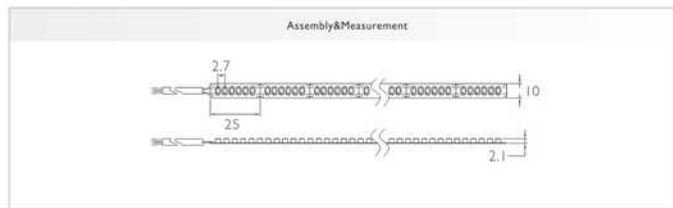
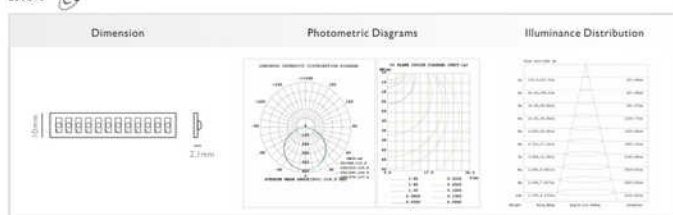
LED 2835 IP20

| codice   | colore | nr. Led/m | lumen/m | V  | W/m     | lunghezza bobina | unità taglio | larghezza | superficie dissipante         |
|----------|--------|-----------|---------|----|---------|------------------|--------------|-----------|-------------------------------|
| code     | colour | nr. Led/m | lumen/m | V  | power/m | reel length      | cutting unit | width     | heat sink                     |
| 21953/24 | 3000°K | 240       | 1800    | 24 | 16.32   | 5m               | 2.5cm        | 10mm      | PR3_EVO,PR4,PR1_DEEP,PR2_DEEP |
| 21954/24 | 4000°K | 240       | 1900    | 24 | 16.32   | 5m               | 2.5cm        | 10mm      | PR3_EVO,PR4,PR1_DEEP,PR2_DEEP |
| 21955/24 | 6000°K | 240       | 2040    | 24 | 16.32   | 5m               | 2.5cm        | 10mm      | PR3_EVO,PR4,PR1_DEEP,PR2_DEEP |

Per tutte le versioni con potenza superiore a 14.4W/m, utilizzare un profilo in alluminio.  
Vedi pag.127-133.

For all strips with wattage over 14.4W, an aluminium profile must be used.  
See pages 127-133.

L80B10



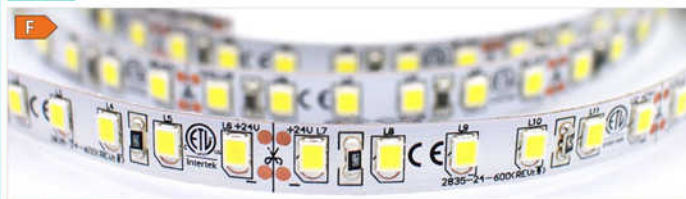
- Angolo diffusione: 120°
- Flessione massima fino ad una curvatura Ø 6cm
- Striscia flessibile di 5m/3m con LED SMD
- Utilizzabile in innumerevoli applicazioni come illuminazione decorativa o scenografica (bar, ristoranti, negozi, hotel, giardini, centri benessere, residenziale, ecc.)
- Temperatura ambiente: -20°/45°

- View angle: 120°
- Flexible with a maximum bend diameter of 6cm
- flexible strip with SMD LED (5m/3m reel)
- Suitable for several applications like decorative or accent lighting (bars, restaurants, shops, hotels, gardens, spa, homes, etc.)
- Ambient temperature: -20°/45°

- Angolo diffusione: 120°
- Flessione massima fino ad una curvatura Ø 6cm
- Striscia flessibile di 5m con LED SMD
- Utilizzabile in innumerevoli applicazioni come illuminazione decorativa o scenografica (bar, ristoranti, negozi, hotel, giardini, centri benessere, residenziale, ecc.)
- Temperatura ambiente: -20°/45°

- View angle: 120°
- Flexible with a maximum bend diameter of 6cm
- flexible strip with SMD LED (5m reel)
- Suitable for several applications like decorative or accent lighting (bars, restaurants, shops, hotels, gardens, spa, homes, etc.)
- Ambient temperature: -20°/45°

## PRO LED 2835 IP20\_14.4W



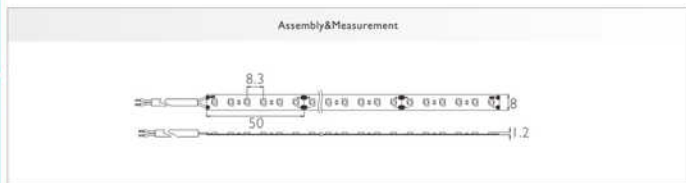
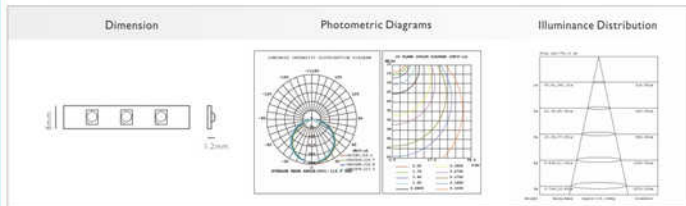
### LED 2835 IP20

| codice code | colore colour | nr. Led/m nr. Led/m | lumen/m lumen/m | V V | W/m power/m | lunghezza bobina reel length | unità taglio cutting unit | larghezza width | superficie dissipante heat sink              |
|-------------|---------------|---------------------|-----------------|-----|-------------|------------------------------|---------------------------|-----------------|--|
| 21922/24    | 3000°K        | 120                 | 1527            | 24  | 14,4        | 5m                           | 5cm                       | 8mm             | PR1_PR2_PR3_EVO_PR4_PRS<br>PR1_DEEP_PR2_DEEP |
| 21923/24    | 4000°K        | 120                 | 1600            | 24  | 14,4        | 5m                           | 5cm                       | 8mm             | PR1_PR2_PR3_EVO_PR4_PRS<br>PR1_DEEP_PR2_DEEP |

Per tutte le versioni con potenza superiore a 14,4W/m, utilizzare un profilo in alluminio. Vedi pag. 127-133.

For all strips with wattage over 14,4W, an aluminium profile must be used. See pages 127-133.

LB0810



## PRO LED 2835 IP66\_14.4W



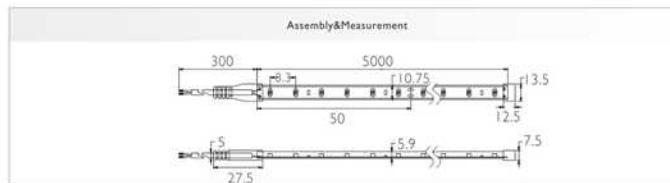
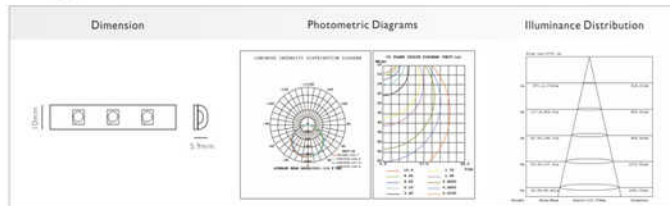
### LED 2835 IP66

| codice code | colore colour | nr. Led/m nr. Led/m | lumen/m lumen/m | V V | W/m power/m | lunghezza bobina reel length | unità taglio cutting unit | larghezza width | superficie dissipante heat sink          |
|-------------|---------------|---------------------|-----------------|-----|-------------|------------------------------|---------------------------|-----------------|--|
| 21924/24    | 3000°K        | 120                 | 1400            | 24  | 14,4        | 5m                           | 5cm                       | 10mm            | PR1_PR2_PR3_EVO_PR4<br>PR1_DEEP_PR2_DEEP |
| 21925/24    | 4000°K        | 120                 | 1440            | 24  | 14,4        | 5m                           | 5cm                       | 10mm            | PR1_PR2_PR3_EVO_PR4<br>PR1_DEEP_PR2_DEEP |

Per tutte le versioni con potenza superiore a 14,4W/m, utilizzare un profilo in alluminio. Vedi pag. 127-133.

For all strips with wattage over 14,4W, an aluminium profile must be used. See pages 127-133.

LB0810



- Angolo diffusione: 120°
- Flessione massima fino ad una curvatura Ø 6cm
- Striscia flessibile di 5m con LED SMD
- Utilizzabile in innumerevoli applicazioni come illuminazione decorativa o scenografica (bar, ristoranti, negozi, hotel, giardini, centri benessere, residenziale, ecc.)
- Temperatura ambiente: -20°/45°

- View angle: 120°
- Flexible with a maximum bend diameter of 6cm
- flexible strip with SMD LED (5m reel)
- Suitable for several applications like decorative or accent lighting (bars, restaurants, shops, hotels, gardens, spa, homes, etc.)
- Ambient temperature: -20°/45°

- Angolo diffusione: 120°
- Flessione massima fino ad una curvatura Ø 6cm
- Striscia flessibile di 5m con LED SMD
- Utilizzabile in innumerevoli applicazioni come illuminazione decorativa o scenografica (bar, ristoranti, negozi, hotel, giardini, centri benessere, residenziale, ecc.)
- Temperatura ambiente: -20°/45°

- View angle: 120°
- Flexible with a maximum bend diameter of 6cm
- flexible strip with SMD LED (5m reel)
- Suitable for several applications like decorative or accent lighting (bars, restaurants, shops, hotels, gardens, spa, homes, etc.)
- Ambient temperature: -20°/45°

## PRO LED 5050 IP20\_ I4.4W RGB



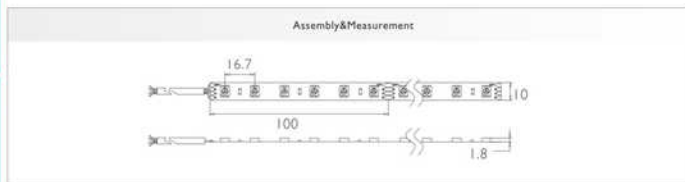
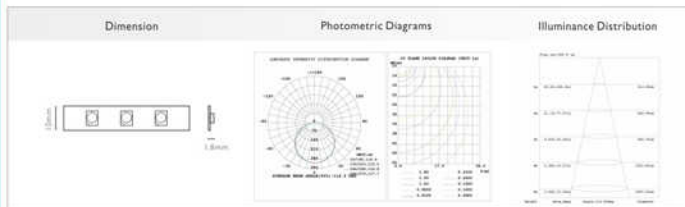
### LED 5050 IP20

| codice   | colore | nr. Led/m | lumen/m | V  | W/m     | lunghezza bobina | unità taglio | larghezza | superficie dissipante                              |
|----------|--------|-----------|---------|----|---------|------------------|--------------|-----------|--|
| code     | colour | nr. Led/m | lumen/m | V  | power/m | reel length      | cutting unit | width     | heat sink  |
| 21934/24 | RGB    | 60        | 300     | 24 | 14,4    | 5m               | 10cm         | 10mm      | PR1, PR2, PR3, EVO, PR4, PR5<br>PR1_DEEP, PR2_DEEP |

Per tutte le versioni con potenza superiore a 14,4W/m, utilizzare un profilo in alluminio.  
Vedi pag. 127-133.

For all strips with wattage over 14,4W, an aluminium profile must be used.  
See pages 127-133.

LB0B10



## PRO LED 5050 IP67\_ I4.4W RGB



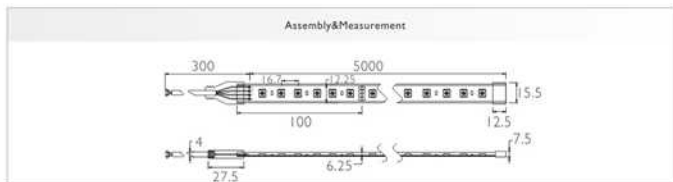
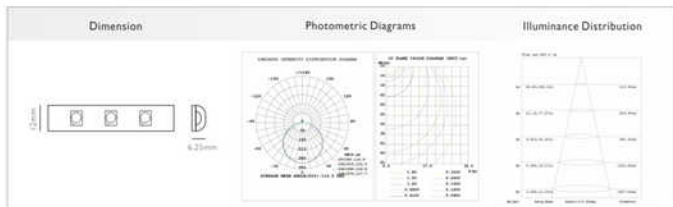
### LED 5050 IP67

| codice   | colore | nr. Led/m | lumen/m | V  | W/m     | lunghezza bobina | unità taglio | larghezza | superficie dissipante                         |
|----------|--------|-----------|---------|----|---------|------------------|--------------|-----------|---|
| code     | colour | nr. Led/m | lumen/m | V  | power/m | reel length      | cutting unit | width     | heat sink                                     |
| 21935/24 | RGB    | 60        | 300     | 24 | 14,4    | 5m               | 10cm         | 12mm      | PR1, PR2, PR3, EVO, PR4<br>PR1_DEEP, PR2_DEEP |

Per tutte le versioni con potenza superiore a 14,4W/m, utilizzare un profilo in alluminio.  
Vedi pag. 127-133.

For all strips with wattage over 14,4W, an aluminium profile must be used.  
See pages 127-133.

LB0B10





- Angolo diffusione: 120°
- Flessione massima fino ad una curvatura Ø 6cm
- Striscia flessibile di 5m/3m con LED SMD
- Utilizzabile in innumerevoli applicazioni come illuminazione decorativa o scenografica (bar, ristoranti, negozi, hotel, giardini, centri benessere, residenziale, ecc.)
- Temperatura ambiente: -20°/45°

- View angle: 120°
- Flexible with a maximum bend diameter of 6cm
- flexible strip with SMD LED (5m/3m reel)
- Suitable for several applications like decorative or accent lighting (bars, restaurants, shops, hotels, gardens, spa, homes, etc.)
- Ambient temperature: -20°/45°

- Angolo diffusione: 120°
- Flessione massima fino ad una curvatura Ø 6cm
- Striscia flessibile di 5m con LED SMD
- Utilizzabile in innumerevoli applicazioni come illuminazione decorativa o scenografica (bar, ristoranti, negozi, hotel, giardini, centri benessere, residenziale, ecc.)
- Temperatura ambiente: -20°/45°

- View angle: 120°
- Flexible with a maximum bend diameter of 6cm
- flexible strip with SMD LED (5m reel)
- Suitable for several applications like decorative or accent lighting (bars, restaurants, shops, hotels, gardens, spa, homes, etc.)
- Ambient temperature: -20°/45°

## PRO FOOD LED 2835 IP20\_14.4W



### Frutta/Verdura Fruit & Vegetables

| codice<br>code | colore<br>colour | nr. Led/m<br>nr Led/m | lumen/m<br>lumen/m | V<br>V | W/m<br>power/m | lunghezza bobina<br>reel length | unità taglio<br>cutting unit | larghezza<br>width | superficie dissipante<br>heat sink                   |
|----------------|------------------|-----------------------|--------------------|--------|----------------|---------------------------------|------------------------------|--------------------|--|
| 21962/24       | 2900-3200°K      | 140                   | 1120               | 24     | 14,4           | 5m                              | 5cm                          | 8mm                | PR1, PR2, PR3, EVO, PR4, PR5<br>PRI, DEEP, PR2, DEEP |

L80B10



### Pesce Fish

| codice<br>code | colore<br>colour | nr. Led/m<br>nr Led/m | lumen/m<br>lumen/m | V<br>V | W/m<br>power/m | lunghezza bobina<br>reel length | unità taglio<br>cutting unit | larghezza<br>width | superficie dissipante<br>heat sink                   |
|----------------|------------------|-----------------------|--------------------|--------|----------------|---------------------------------|------------------------------|--------------------|--|
| 21963/24       | 3700-4250°K      | 140                   | 1120               | 24     | 14,4           | 5m                              | 5cm                          | 8mm                | PR1, PR2, PR3, EVO, PR4, PR5<br>PRI, DEEP, PR2, DEEP |

L80B10



### Pane Bread

| codice<br>code | colore<br>colour | nr. Led/m<br>nr Led/m | lumen/m<br>lumen/m | V<br>V | W/m<br>power/m | lunghezza bobina<br>reel length | unità taglio<br>cutting unit | larghezza<br>width | superficie dissipante<br>heat sink                   |
|----------------|------------------|-----------------------|--------------------|--------|----------------|---------------------------------|------------------------------|--------------------|--|
| 21964/24       | 2200-2400°K      | 140                   | 980                | 24     | 14,4           | 5m                              | 5cm                          | 8mm                | PR1, PR2, PR3, EVO, PR4, PR5<br>PRI, DEEP, PR2, DEEP |

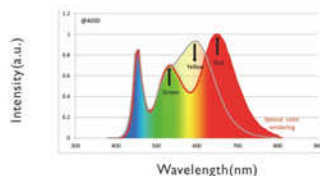
L80B10



### Carne Fresh meat

| codice<br>code | colore<br>colour | nr. Led/m<br>nr Led/m | lumen/m<br>lumen/m | V<br>V | W/m<br>power/m | lunghezza bobina<br>reel length | unità taglio<br>cutting unit | larghezza<br>width | superficie dissipante<br>heat sink                   |
|----------------|------------------|-----------------------|--------------------|--------|----------------|---------------------------------|------------------------------|--------------------|--|
| 21965/24       | 3200-3850°K      | 140                   | 980                | 24     | 14,4           | 5m                              | 5cm                          | 8mm                | PR1, PR2, PR3, EVO, PR4, PR5<br>PRI, DEEP, PR2, DEEP |

L80B10



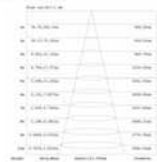
### Dimension



### Photometric Diagrams



### Illuminance Distribution



### Assembly & Measurement



- Angolo diffusione:120°
- Flessione massima fino ad una curvatura Ø 6cm
- Striscia flessibile di 5m con LED SMD
- Utilizzabile in innumerevoli applicazioni come illuminazione decorativa o scenografica (bar, ristoranti,negozi,hotel,giardini,centri benessere, residenziale.ecc.)
- Temperatura ambiente:-20°/45°

- View angle:120°
- Flexible with a maximum bend diameter of 6cm
- Flexible strip with SMD LED (5m reel)
- Suitable for several applications like decorative or accent lighting (bars,restaurants,shops,hotels,gardens,spa,homes,etc.)
- Ambient temperature:-20°/45°

- Angolo diffusione:120°
- Flessione massima fino ad una curvatura Ø 6cm
- Striscia flessibile di 5m con LED SMD
- Utilizzabile in innumerevoli applicazioni come illuminazione decorativa o scenografica (bar, ristoranti,negozi,hotel,giardini,centri benessere, residenziale.ecc.)
- Temperatura ambiente:-25°/45°

- View angle:120°
- Flexible with a maximum bend diameter of 6cm
- flexible strip with SMD LED (5m reel)
- Suitable for several applications like decorative or accent lighting (bars,restaurants,shops,hotels,gardens,spa,homes,etc.)
- Ambient temperature:-25°/45°

## ECO LED 2835 IP20\_I1.5W

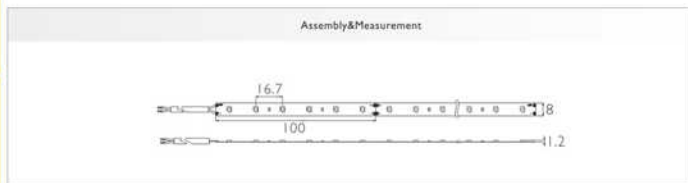
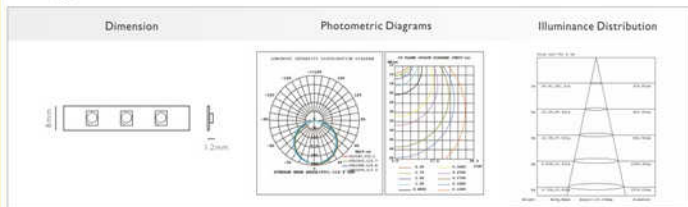


| LED 2835 IP20 |               |           |         |    |         |                  |              |           |  |
|---------------|---------------|-----------|---------|----|---------|------------------|--------------|-----------|--|
| codice code   | colore colour | nr. Led/m | lumen/m | V  | W/m     | lunghezza bobina | unità taglio | larghezza | superficie dissipante heat sink              |
|               |               | nr. Led/m | lumen/m | V  | power/m | Feel length      | cutting unit | width     | heat sink                                    |
| 21944/24      | 3000K         | 60        | 1200    | 24 | 11.5    | 5m               | 10cm         | 8mm       | PR1,PR2,PR3_EVO,PR4,PR5<br>PR1_DEEP,PR2_DEEP |
| 21945/24      | 4000K         | 60        | 1230    | 24 | 11.5    | 5m               | 10cm         | 8mm       | PR1,PR2,PR3_EVO,PR4,PR5<br>PR1_DEEP,PR2_DEEP |

Per tutte le versioni con potenza superiore a 14,4W/m, utilizzare un profilo in alluminio.  
PR1,PR2,PR3\_EVO,PR4,PR5= vedi pag 127-133.

For all strips with wattage over 14,4W, an aluminium profile must be used.  
PR1,PR2,PR3\_EVO,PR4,PR5 = see pages 127-133.

L80B10



## ECO LED 2835 IP65\_I1.5W

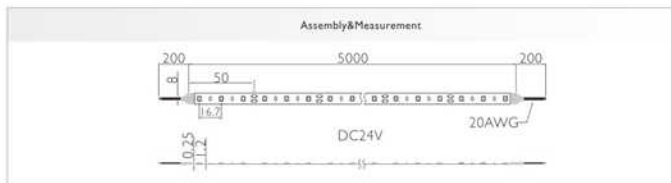
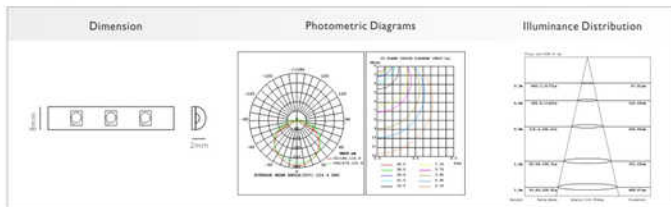


| LED 2835 IP65 |               |           |         |    |         |                  |              |           |  |
|---------------|---------------|-----------|---------|----|---------|------------------|--------------|-----------|--|
| codice code   | colore colour | nr. Led/m | lumen/m | V  | W/m     | lunghezza bobina | unità taglio | larghezza | superficie dissipante heat sink              |
|               |               | nr. Led/m | lumen/m | V  | power/m | Feel length      | cutting unit | width     | heat sink                                    |
| 21978/24      | 3000K         | 60        | 1020    | 24 | 11.5    | 5m               | 10cm         | 8mm       | PR1,PR2,PR3_EVO,PR4,PR5<br>PR1_DEEP,PR2_DEEP |
| 21979/24      | 4000K         | 60        | 1050    | 24 | 11.5    | 5m               | 10cm         | 8mm       | PR1,PR2,PR3_EVO,PR4,PR5<br>PR1_DEEP,PR2_DEEP |

Per tutte le versioni con potenza superiore a 14,4W/m, utilizzare un profilo in alluminio.  
PR1,PR2,PR3\_EVO,PR4,PR5= vedi pag 127-133.

For all strips with wattage over 14,4W, an aluminium profile must be used.  
PR1,PR2,PR3\_EVO,PR4,PR5 = see pages 127-133.

L80B10



- Angolo diffusione: 120°
- Flessione massima fino ad una curvatura Ø 6cm
- Striscia flessibile di 5m con LED SMD
- Utilizzabile in innumerevoli applicazioni come illuminazione decorativa o scenografica (bar, ristoranti, negozi, hotel, giardini, centri benessere, residenziali, ecc.)
- Temperatura ambiente: -20°/45°

- View angle: 120°
- Flexible with a maximum bend diameter of 6cm
- flexible strip with SMD LED (5m reel)
- Suitable for several applications like decorative or accent lighting (bars, restaurants, shops, hotels, gardens, spa, homes, etc.)
- Ambient temperature: -20°/45°

- Angolo diffusione: 120°
- Flessione massima fino ad una curvatura Ø 6cm
- Striscia flessibile di 5m con LED SMD
- Utilizzabile in innumerevoli applicazioni come illuminazione decorativa o scenografica (bar, ristoranti, negozi, hotel, giardini, centri benessere, residenziali, ecc.)
- Temperatura ambiente: -25°/45°

- View angle: 120°
- Flexible with a maximum bend diameter of 6cm
- flexible strip with SMD LED (5m reel)
- Suitable for several applications like decorative or accent lighting (bars, restaurants, shops, hotels, gardens, spa, homes, etc.)
- Ambient temperature: -25°/45°

## ECO LED 2835 IP20\_9.6W



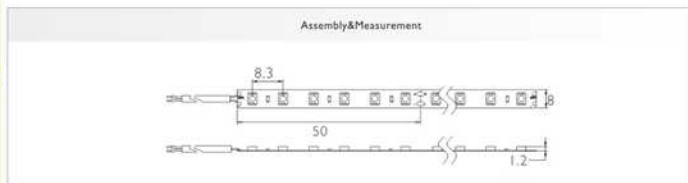
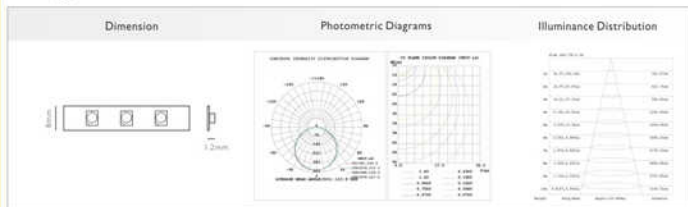
### LED 2835 IP20

| codice code | colore colour | nr. Led/m nr. Led/m | lumen/m lumen/m | V V | W/m power/m | lunghezza bobina reel length | unità taglio cutting unit | larghezza width | superficie dissipante heat sink                    |
|-------------|---------------|---------------------|-----------------|-----|-------------|------------------------------|---------------------------|-----------------|--|
| 21956/24    | 3000K         | 120                 | 1020            | 24  | 9,6         | 5m                           | 5cm                       | 8mm             | PR1, PR2, PR3, EVO, PR4, PR5<br>PR1_DEEP, PR2_DEEP |
| 21957/24    | 4000K         | 120                 | 1050            | 24  | 9,6         | 5m                           | 5cm                       | 8mm             | PR1, PR2, PR3, EVO, PR4, PR5<br>PR1_DEEP, PR2_DEEP |

Per tutte le versioni con potenza superiore a 14,4W/m, utilizzare un profilo in alluminio.  
PR1, PR2, PR3, EVO, PR4, PR5 = vedi pag 127-133.

For all strips with wattage over 14,4W, an aluminium profile must be used.  
PR1, PR2, PR3, EVO, PR4, PR5 = see pages 127-133.

L80B10



## ECO LED 2835 IP65\_9.6W



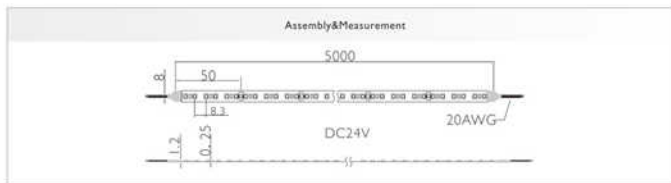
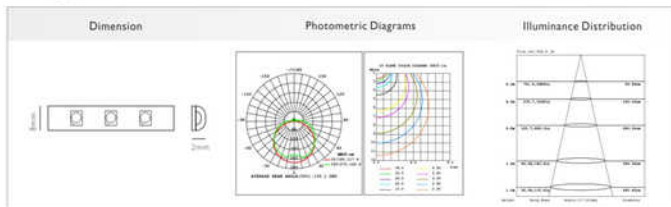
### LED 2835 IP65

| codice code | colore colour | nr. Led/m nr. Led/m | lumen/m lumen/m | V V | W/m power/m | lunghezza bobina reel length | unità taglio cutting unit | larghezza width | superficie dissipante heat sink                    |
|-------------|---------------|---------------------|-----------------|-----|-------------|------------------------------|---------------------------|-----------------|--|
| 21980/24    | 3000K         | 120                 | 958             | 24  | 9,6         | 5m                           | 5cm                       | 8mm             | PR1, PR2, PR3, EVO, PR4, PR5<br>PR1_DEEP, PR2_DEEP |
| 21981/24    | 4000K         | 120                 | 980             | 24  | 9,6         | 5m                           | 5cm                       | 8mm             | PR1, PR2, PR3, EVO, PR4, PR5<br>PR1_DEEP, PR2_DEEP |

Per tutte le versioni con potenza superiore a 14,4W/m, utilizzare un profilo in alluminio.  
PR1, PR2, PR3, EVO, PR4, PR5 = vedi pag 127-133.

For all strips with wattage over 14,4W, an aluminium profile must be used.  
PR1, PR2, PR3, EVO, PR4, PR5 = see pages 127-133.

L80B10



- Angolo diffusione: 120°
- Flessione massima fino ad una curvatura Ø 6cm
- Striscia flessibile di 5m con LED SMD
- Utilizzabile in innumerevoli applicazioni come illuminazione decorativa o scenografica (bar, ristoranti, negozi, hotel, giardini, centri benessere, residenziale, ecc.)
- Temperatura ambiente: -20°/45°

- View angle: 120°
- Flexible with a maximum bend diameter of 6cm
- flexible strip with SMD LED (5m reel)
- Suitable for several applications like decorative or accent lighting (bars, restaurants, shops, hotels, gardens, spa, homes, etc.)
- Ambient temperature: -20°/45°

## ECO LED 2835 IP20\_4.8W

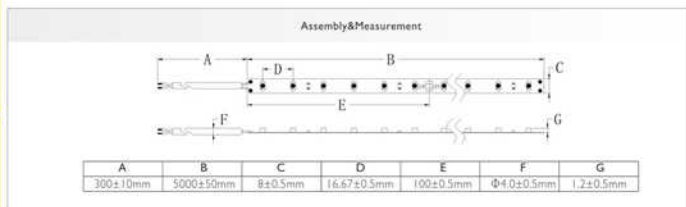
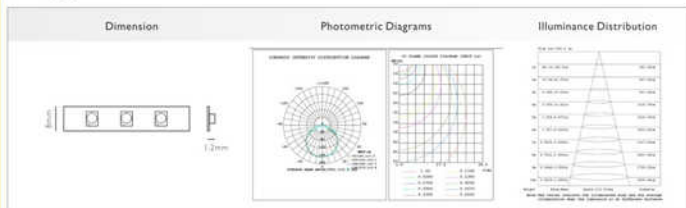
F



### LED 2835 IP20

| codice code | colore colour | nr Led/m nr Led/m | lumen/m lumen/m | V V | W/m power/m | lunghezza bobina reel length | unità taglio cutting unit | larghezza width | superficie dissipante heat sink                    |
|-------------|---------------|-------------------|-----------------|-----|-------------|------------------------------|---------------------------|-----------------|--|
| 21966/24    | 3000K         | 60                | 510             | 24  | 4,8         | 5m                           | 10cm                      | 8mm             | PR1, PR2, PR3, EVO, PR4, PR5<br>PR1_DEEP, PR2_DEEP |
| 21967/24    | 4000K         | 60                | 560             | 24  | 4,8         | 5m                           | 10cm                      | 8mm             | PR1, PR2, PR3, EVO, PR4, PR5<br>PR1_DEEP, PR2_DEEP |

L80B10



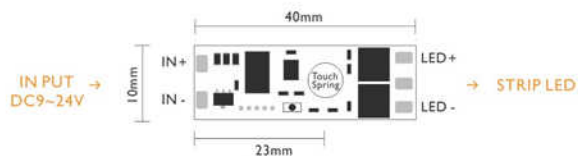
## Touch Dimmer Sensor



### Dati tecnici/Technical specifications

|  |  |
|--|--|
| Dimensioni<br>Dimensions               | L40*W10 *H10mm   |
| Alimentazione<br>Input                 | DC9~24V  |
| Potenza di carico<br>Load Power        | 60W a 12V<br>120W a 24V                                      |
| Funzionamento<br>Function              | Tocco breve: ON/OFF<br>Tocco lungo: Dimmer con memoria       |
| Applicazioni<br>Application            | Short touch: ON/OFF switch<br>Long touch: Dimmer with memory |
| Per profili con schermo<br>in plastica | For extrusion profile<br>with plastic cover                  |
| Soft Star                              | Si<br>Yes  |

### Collegamento elettrico/Electrical connection



| codice code | Descrizione /Description    |
|-------------|-----------------------------|
| 22027       | Unità Touch Sensor 120W 24V |

## Accessori per profili/Profile Accessories

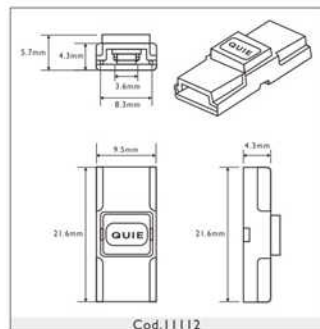


## Accessori per profili/Profile Accessories

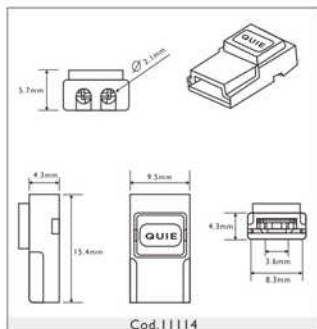
| codice<br>code | Descrizione/Description                       |
|----------------|---|
| 11112          | Connettore/Connector STRIPTO STRIP 8mm        |
| 11113          | Connettore/Connector STRIPTO STRIP 10mm       |
| 11114          | Connettore/Connector STRIPTO WIRE 8mm (30cm)  |
| 11115          | Connettore/Connector STRIPTO WIRE 10mm (30cm) |

\* Accessori utilizzabili solo con strisce LED con max 120leds/m

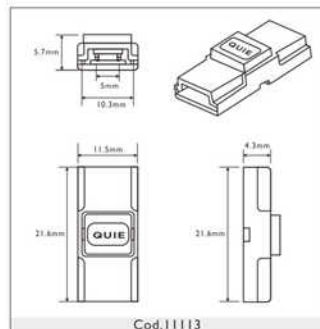
\* Accessories to be mounted only with LED strips with max 120leds/m



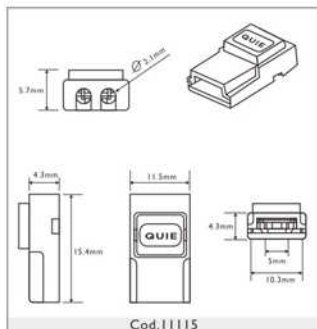
Cod.11112



Cod.11114



Cod.11113



Cod.11115

## Accessori/Accessories



## Accessori/Accessories

| codice<br>code | dimensioni<br>dimensions   |
|----------------|--|
| 22031          | driver 60W 24V DC 220-240V Eaglerise 187x45x31mm                       |
| 22032          | driver 75W 24V DC 220-240V Eaglerise 187x45x31mm                       |
| 22033          | driver 120W 24V DC 220-240V Eaglerise 268x45x31mm                      |
| 22034          | driver 150W 24V DC 220-240V Eaglerise 268x45x31mm                      |
| 22015          | driver 50W 24V DC 100-240V 50W 99x82x30mm                              |
| 22016          | driver 100W 24V DC 100-240V 100W 129x97x30mm                           |
| 22025          | driver 150W 24V DC 100-240V 150W 160x95x30mm                           |
| 22017          | driver 200W 24V DC 100-240V 200W 215x115x30mm                          |
| 22019          | driver 320W 24V DC 100-240V c/ventola - built-in fan 50W 215x115x30mm  |
| 23016          | driver 185W 24V DC 100-240V dimmerabile IP67 (1-10V) 80W 228x68x38.8mm |
| 23017          | driver 240W 24V DC 100-240V dimmerabile IP67 (1-10V) 80W 244x68x38.8mm |
| 23019          | driver 320W 24V DC 100-240V dimmerabile IP67 (1-10V) 80W 252x90x43.8mm |
| 20919          | amplificatore RGB 9.6A (24V=230V) - RGB amplifier 9.6A 120x65x25mm     |
| 20918          | centralina RGB 9.6A (24V=230V) - RGB Controller 9.6A 125x65x25mm       |
| 21936          | centralina RGB 18A (24V=432V) - RGB Controller 18A 83x79x33mm          |
| 20373          | testata e chiusura largh. 8mm-8mm width front and end cap (10pz)       |
| 20371          | biadesivo per esterno - foam tape (5m)                                 |
| 25100          | testata e chiusura 14.4V RGB 14.4W RGB front and end cap (10pz)        |
| 22013          | copertura morsetteira driver Meanwell/terminal cover Meanwell driver   |



20918

Per evitare differenze di luminosità fra la parte iniziale e finale della striscia consigliamo la connessione in serie di massimo 2 bobine da 5 m. Alimentare le strisce da entrambe le estremità è altresì consigliato.



21936

In order to prevent differences in lumen output between the initial and final part of the strip, we suggest connecting in series maximum 2 reels by 5m. To drive the strips from both ends is also recommended.



- Spegnere o accendere/Turn off and on
- Toccare per selezionare le 18 funzioni (avanti/dietro) /Touch to select 18 different modes (forward/backward)
- Toccare il colore desiderato/Touch the wanted colour
- Dimmerazione e regolazione velocità /Brightness and speed adjusting

## Accessori/Accessories



## Accessori/Accessories

| codice code | Descrizione/Description  |
|-------------|--|
| 11027       | Connettore di giunzione per strip larghezza 8mm<br>Binding connector strip to strip (width strip = 8mm)                              |
| 11026       | Connettore di giunzione per strip larghezza 10mm<br>Binding connector strip to strip (width strip = 10mm)                            |
| 11028       | Connettore di giunzione per strip larghezza 10mm RGB<br>Binding connector strip to strip (width strip = 10mm RGB)                    |
| 11029       | Connettore di giunzione con cavo 10cm per strip larghezza 8mm<br>10cm binding connector strip to strip (width strip = 8mm)           |
| 11030       | Connettore di giunzione con cavo 10cm per strip larghezza 10mm<br>10cm binding connector strip to strip (width strip = 10mm)         |
| 11031       | Connettore di giunzione con cavo 10cm per strip larghezza 10mm RGB<br>10cm binding connector strip to strip (width strip = 10mm RGB) |

Funzioni telecomando cod. 21936  
Funzioni telecomando cod. 20918  
Esempi connessione

## Esempi connessione / Connection examples

## Funzioni telecomando cod. 21936 / Remote control features cod. 21936

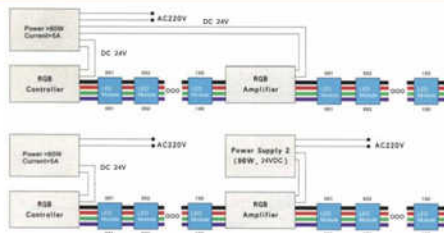
|   |                        |    |  |                      |   |  |   |
|---|------------------------|----|--|----------------------|---|--|---|
| 1 | rosso/static red       | 7  | bianco/static white                                      | dimmerabili dimmable | 13  | cambio 7 colori con dissolvenza / 7 colour smooth change | dimmerazione e regolazione velocità / brightness and speed adjustable |
| 2 | verde/static green     | 8  | cambio 3 colori / 3 colour jump change                   | 14                   | 3 colori lampeggio / 3 colour flickering              |  |   |
| 3 | blu/static blue        | 9  | cambio 7 colori / 7 colour jump change                   | 15                   | 7 colori lampeggio / 7 colour flickering              |  |   |
| 4 | giallo/static yellow   | 10 | cambio graduale 3 colori / 3 colour gradual change       | 16                   | 3 colori stroboflash / 3 colour flash                 |  |   |
| 5 | porpora /static purple | 11 | cambio 3 colori con dissolvenza / 3 colour smooth change | 17                   | 7 colori stroboflash / 7 colour flash                 |  |   |
| 6 | ciano/static cyan      | 12 | cambio graduale 7 colori / 7 colour gradual change       | 18                   | sequenza automatica / automatic pre-set colour change |  |   |

## Funzioni telecomando cod. 20918 / Remote control features cod. 20918

|   |                      |    |  |  |  |   |  |
|---|----------------------|----|--|--|--|---|--|
| 1 | rosso/static red     | 8  | cambio 3 colori / three colour jump changing             | Dimmerabili (B+ eB-) e cambio velocità (S+ e S-) / speed and brightness are adjustable | 15                                     | verde stroboflash / green stroboflash   | Dimmerabili (B+ eB-) e cambio velocità (S+ e S-) / speed and brightness are adjustable |
| 2 | blu/static blue      | 9  | cambio 7 colori / seven colour jump changing             | Regolazione velocità (S+ e S-) / speed is unadjustable                                 | 16                                     | giallo stroboflash / yellow stroboflash |  |
| 3 | viola/static purple  | 10 | cambio graduale 3 colori / three colour gradual changing | 17   | ciano stroboflash / cyan stroboflash   |   |  |
| 4 | verde/static green   | 11 | cambio graduale 7 colori / seven colour gradual changing | 18   | bianco stroboflash / white stroboflash |   |  |
| 5 | giallo/static yellow | 12 | rosso stroboflash / red stroboflash                      | 19   | passaggio rosso/blu /RB trasfale       |   |  |
| 6 | ciano/static cyan    | 13 | blu stroboflash / blue stroboflash                       | 20   | passaggio blu e verde /BG trasfale     |   |  |
| 7 | bianco/static white  | 14 | viola stroboflash /purple stroboflash                    | 21   | passaggio verde e rosso /GR trasfale   |   |  |

|   |                            |   |                          |   |                        |    |                         |
|---|----------------------------|---|--------------------------|---|------------------------|----|-------------------------|
| B | cavo giallo / yellow cable | G | cavo verde / green cable | R | cavo rosso / red cable | V+ | cavo nero / black cable |
|---|----------------------------|---|--------------------------|---|------------------------|----|-------------------------|

## Esempi connessione / Connection examples



Dimmer per strisce LED: PUSH-10V-10V/1-10V/Potenziometro 10K  
 Dimmer for LED strips: PUSH-10V-10V/1-10V/Potentiometer 10K

COD.23027

10A max  
 (24V=240W)



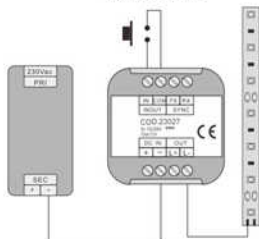
### CE CARATTERISTICHE

- FADER+DIMMER+DRIVER
- DC Input: 12/24 Vdc
- Comando: pulsante Normalmente aperto/0-10V/1-10V/Potenziometro 10K Ohm con autoriconoscimento
- Regolazione della luminosità della luce bianca
- Uscite in corrente o tensione per carichi R-L-C
- Efficienza tipica > 95%
- Regolazione della luminosità fino spegnimento completo
- Accensione e spegnimento morbidi
- Curva di regolazione ottimizzata
- Range di temperatura esteso
- 100% Test funzionale - Garanzia 5 anni

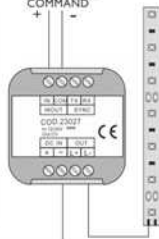
### FEATURES

- FADER+DIMMER+DRIVER
- DC Input: 12/24 Vdc
- Command: push-button/0-10V/1-10V/Potentiometer 10K Ohm with automatic detection
- Adjusting the brightness of with light
- Current outputs or voltage outputs for R-L-C loads
- Typical efficiency > 95%
- Adjusting the brightness up to completed off
- Soft start and soft stop
- Optimized output curve
- Extended temperature range
- 100% Functional test - 5 years warranty

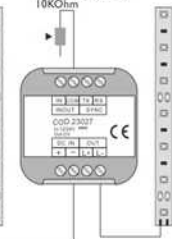
N.O PUSH BUTTON



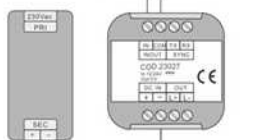
0, 10V&1, 10V COMMAND



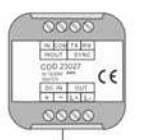
POTENZIOMETRO 10KOhm



LOCAL COMMAND



MASTER

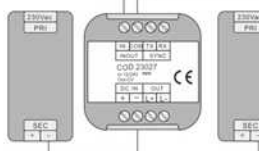


SLAVE

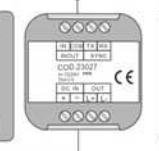


SLAVE

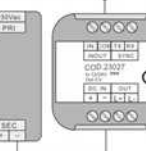
LOCAL COMMAND



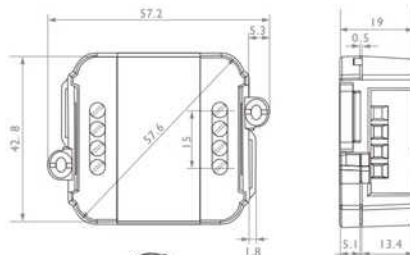
MASTER



SLAVE



SLAVE



COD.23022

8A max  
 (24V=192W)

DALI

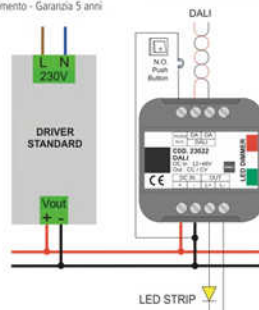


### CE CARATTERISTICHE

- BUS+FADER+DIMMER+DRIVER
- Ingresso: DC 12-24-48 Vdc
- Opzioni di comando remoto: DALI
- Opzioni di comando locale:
  - pulsante normalmente aperto (N.O. Push button)
- Regolazione della luminosità della luce bianca
- Uscite in corrente o tensione per carichi R-L-C
- Efficienza tipica > 95%
- Regolazione della luminosità fino spegnimento completo
- Accensione e spegnimento morbidi
- Curva di regolazione ottimizzata
- Range di temperatura esteso
- 100% Test di funzionamento - Garanzia 5 anni

### FEATURES

- BUS+FADER+DIMMER+DRIVER
- DC Input: 12-24-48 Vdc
- Remote command options: DALI
- Local command options: Normally Open push-button
- Adjusting the brightness of white light
- Current outputs or voltage outputs for R-L-C loads
- Typical efficiency > 95%
- Adjusting the brightness up to completed off
- Soft start and soft stop
- Optimized output curve
- Extended temperature range
- 100% Functional test - 5 years warranty



Profili in alluminio  
*Aluminium profiles*





## PR1 Profili in alluminio/ Aluminium profiles



## PR1

| codice<br>code |  |
|----------------|--|
| 21048          | Profilo in alluminio 2m PR1 superficie - Aluminium profile 2m PR1 surface              |
| 21376          | Profilo in alluminio Bianco 2m PR1 superficie - White aluminium profile 2M PR1 surface |



Diffusore trasparente  
Transparent diffuser  
1x  
Cod. 21051



Diffusore satinato  
Frosted diffuser  
1x  
Cod. 21052



Diffusore opale  
Opal diffuser  
1x  
Cod. 21301



Kit 4 viti+2 testate  
4 screws+2 end caps kit  
1x  
Cod. 21053



Kit 4 viti+2 testate Bianco  
4 screws+2 end caps kit white  
1x  
Cod. 21378



Kit 2 staffe fissaggio  
2 fixing brackets kit  
1x  
Cod. 21054

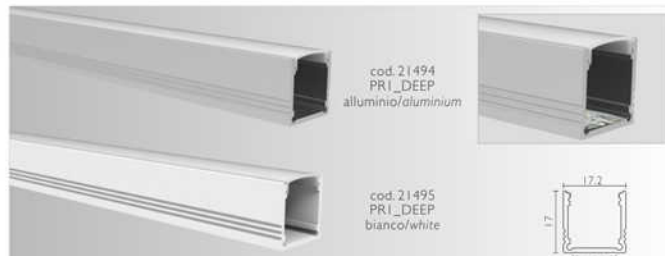


Kit 2 staffe fissaggio Bianco  
2 fixing brackets kit white  
1x  
Cod. 21379

## Accessori/Accessories

| codice<br>code |   |
|----------------|---|
| 21051          | Diffusore trasparente 2m PR1,PR2 - Transparent diffuser 2m PR1,PR2          |
| 21052          | Diffusore satinato 2m PR1,PR2 - Frosted diffuser 2m PR1,PR2                 |
| 21301          | Diffusore opale 2m PR1,PR2 - Opal diffuser 2m PR1,PR2                       |
| 21053          | Kit 4 viti+2 testate PR1,PR2 - 4 screws+2 end caps kit PR1,PR2              |
| 21378          | Kit 4 viti+2 testate Bianco PR1,PR2 - 4 screws+2 end caps kit white PR1,PR2 |
| 21054          | Kit 2 staffe fissaggio PR1,PR2 - 2 fixing brackets kit PR1,PR2              |
| 21379          | Kit 2 staffe fissaggio Bianco PR1,PR2 - 2 fixing brackets kit white PR1,PR2 |

## PR1\_DEEP Profili in alluminio/ Aluminium profiles



## PR1\_DEEP

| codice<br>code |  |
|----------------|--|
| 21494          | Profilo in alluminio 2m PR1_DEEP superficie - Aluminium profile 2m PR1_DEEP surface              |
| 21495          | Profilo in alluminio Bianco 2m PR1_DEEP superficie - White aluminium profile 2M PR1_DEEP surface |

- Può alloggiare Strip Led fino a 19,2W/m
- It can host LED strips up to 19,2W/m



Diffusore trasparente  
Transparent diffuser  
1x  
Cod. 21051



Diffusore satinato  
Frosted diffuser  
1x  
Cod. 21052



Diffusore opale  
Opal diffuser  
1x  
Cod. 21301



Kit 4 viti+2 testate  
4 screws+2 end caps kit  
1x  
Cod. 21496



Kit 4 viti+2 testate Bianco  
4 screws+2 end caps kit white  
1x  
Cod. 21497



Kit 2 staffe fissaggio  
2 fixing brackets kit  
1x  
Cod. 21054



Kit 2 staffe fissaggio Bianco  
2 fixing brackets kit white  
1x  
Cod. 21379

## Accessori/Accessories

| codice<br>code |   |
|----------------|---|
| 21051          | Diffusore trasparente 2m PR1,PR2 - Transparent diffuser 2m PR1,PR2                              |
| 21052          | Diffusore satinato 2m PR1,PR2 - Frosted diffuser 2m PR1,PR2                                     |
| 21301          | Diffusore opale 2m PR1,PR2 - Opal diffuser 2m PR1,PR2   |
| 21496          | Kit 4 viti+2 testate PR1_DEEP,PR2_DEEP - 4 screws+2 end caps kit PR1_DEEP,PR2_DEEP              |
| 21497          | Kit 4 viti+2 testate Bianco PR1_DEEP,PR2_DEEP - 4 screws+2 end caps kit white PR1_DEEP,PR2_DEEP |
| 21054          | Kit 2 staffe fissaggio PR1,PR2 - 2 fixing brackets kit PR1,PR2                                  |
| 21379          | Kit 2 staffe fissaggio Bianco PR1,PR2 - 2 fixing brackets kit white PR1,PR2                     |

## PR2 Profili in alluminio/ Aluminium profiles



## PR2

| codice<br>code |  |
|----------------|--|
| 21049          | Profilo in alluminio 2m PR2 incasso - Aluminium profile 2m PR2 recessed              |
| 21377          | Profilo in alluminio Bianco 2m PR2 incasso - White aluminium profile 2M PR2 recessed |



Diffusore trasparente  
Transparent diffuser  
1x  
Cod. 21051



Diffusore satinato  
Frosted diffuser  
1x  
Cod. 21052



Diffusore opale  
Opal diffuser  
1x  
Cod. 21301



Kit 4 viti+2 testate  
4 screws + 2 end caps kit  
1x  
Cod. 21053



Kit 4 viti+2 testate Bianco  
4 screws+2 end caps kit white  
1x  
Cod. 21378



Kit 2 staffe fissaggio  
2 fixing brackets kit  
1x  
Cod. 21054



Kit 2 staffe fissaggio Bianco  
2 fixing brackets kit white  
1x  
Cod. 21379

## Accessori/Accessories

| codice<br>code |   |
|----------------|---|
| 21051          | Diffusore trasparente 2m PR1,PR2 - Transparent diffuser 2m PR1,PR2          |
| 21052          | Diffusore satinato 2m PR1,PR2 - Frosted diffuser 2m PR1,PR2                 |
| 21301          | Diffusore opale 2m PR1,PR2 - Opal diffuser 2m PR1,PR2                       |
| 21053          | Kit 4 viti+2 testate PR1,PR2 - 4 screws+2 end caps kit PR1,PR2              |
| 21378          | Kit 4 viti+2 testate Bianco PR1,PR2 - 4 screws+2 end caps kit white PR1,PR2 |
| 21054          | Kit 2 staffe fissaggio PR1,PR2 - 2 fixing brackets kit PR1,PR2              |
| 21379          | Kit 2 staffe fissaggio Bianco PR1,PR2 - 2 fixing brackets kit white PR1,PR2 |

## PR2\_DEEP Profili in alluminio/ Aluminium profiles



## PR2\_DEEP

| codice<br>code |  |
|----------------|--|
| 21498          | Profilo in alluminio 2m PR2_DEEP incasso - Aluminium profile 2m PR2_DEEP recessed              |
| 21499          | Profilo in alluminio Bianco 2m PR2_DEEP incasso - White aluminium profile 2M PR2_DEEP recessed |

- Può alloggiare Strip Led fino a 19,2W/m
- It can host LED strips up to 19,2W/m



Diffusore trasparente  
Transparent diffuser  
1x  
Cod. 21051



Diffusore satinato  
Frosted diffuser  
1x  
Cod. 21052



Diffusore opale  
Opal diffuser  
1x  
Cod. 21301



Molla per PR2\_DEEP 2 pz.  
Spring for PR2\_DEEP 2 pcs.  
1x  
Cod. 21500



Kit 4 viti+2 testate  
4 screws+2 end caps kit  
1x  
Cod. 21496



Kit 4 viti+2 testate Bianco  
4 screws+2 end caps kit white  
1x  
Cod. 21497



Kit 2 staffe fissaggio  
2 fixing brackets kit  
1x  
Cod. 21054



Kit 2 staffe fissaggio Bianco  
2 fixing brackets kit white  
1x  
Cod. 21379

## Accessori/Accessories

| codice<br>code |   |
|----------------|---|
| 21051          | Diffusore trasparente 2m PR1,PR2 - Transparent diffuser 2m PR1,PR2                              |
| 21052          | Diffusore satinato 2m PR1,PR2 - Frosted diffuser 2m PR1,PR2                                     |
| 21301          | Diffusore opale 2m PR1,PR2 - Opal diffuser 2m PR1,PR2   |
| 21496          | Kit 4 viti+2 testate PR1 DEEP,PR2 DEEP - 4 screws+2 end caps kit PR1 DEEP,PR2 DEEP              |
| 21497          | Kit 4 viti+2 testate Bianco PR1 DEEP,PR2 DEEP - 4 screws+2 end caps kit white PR1 DEEP,PR2 DEEP |
| 21054          | Kit 2 staffe fissaggio PR1,PR2 - 2 fixing brackets kit PR1,PR2                                  |
| 21379          | Kit 2 staffe fissaggio Bianco PR1,PR2 - 2 fixing brackets kit white PR1,PR2                     |
| 21500          | Molla per PR2_DEEP 2 pz. - Spring for PR2_DEEP 2 pcs.   |

## PR3\_EVO Profilo in alluminio/Aluminium profile



cod. 21440  
PR3\_EVO  
alluminio/aluminium

## PR3\_EVO

| codice<br>code |   |
|----------------|---|
| 21440          | Profilo in alluminio 2m PR3_EVO angolare - Aluminium profile 2m PR3_EVO corner              |
| 21441          | Profilo in alluminio Bianco 2m PR3_EVO angolare - White aluminium profile 2m PR3_EVO corner |

## PR4 Profili in alluminio/Aluminium profiles



cod. 21302  
PR4  
alluminio/aluminium

## PR4

| codice<br>code |   |
|----------------|---|
| 21302          | Profilo in alluminio 2m PR4 superficie - Aluminium profile 2m PR4 surface |



Diffusore satinato  
Frosted diffuser  
1x  
Cod. 21442



Diffusore opale  
Opal diffuser  
1x  
Cod. 21443



Kit 4 viti+2 testate di chiusura  
4 screws+2 end caps kit  
1x  
Cod. 21444



Kit 4 viti+2 testate di chiusura Bianco  
4 screws+2 end caps kit white  
1x  
Cod. 21445



Kit 2 staffe di fissaggio  
2 fixing brackets kit  
1x  
Cod. 21446



Kit 2 staffe di fissaggio Bianco  
2 fixing brackets kit white  
1x  
Cod. 21447

## Accessori/Accessories

| codice<br>code |  |
|----------------|--|
| 21442          | Diffusore satinato 2m PR3_EVO - Frosted diffuser 2m PR3_EVO                    |
| 21443          | Diffusore opale 2m PR3_EVO - Opal diffuser 2m PR3_EVO                          |
| 21444          | Kit 4 viti+2 testate PR3_EVO - 4 screws+2 end caps kit PR3_EVO                 |
| 21445          | Kit 4 viti+2 testate Bianco PR3_EVO - 4 screws+2 end caps kit white PR3_EVO    |
| 21446          | Kit 2 staffe di fissaggio PR3_EVO - 2 fixing brackets kit PR3_EVO              |
| 21447          | Kit 2 staffe di fissaggio Bianco PR3_EVO - 2 fixing brackets kit white PR3_EVO |



Diffusore trasparente  
Transparent diffuser  
1x  
Cod. 21303



Diffusore satinato  
Frosted diffuser  
1x  
Cod. 21304



Diffusore opale  
Opal diffuser  
1x  
Cod. 21305



Kit 4 viti+2 testate di chiusura  
4 screws+2 end caps kit  
1x  
Cod. 21306



Kit 4 staffe di fissaggio  
4 fixing brackets kit  
1x  
Cod. 21307

## Accessori/Accessories

| codice<br>code |  |
|----------------|--|
| 21303          | Diffusore trasparente 2m PR4 - Transparent diffuser 2m PR4         |
| 21304          | Diffusore satinato 2m PR4 - Frosted diffuser 2m PR4                |
| 21305          | Diffusore opale 2m PR4 - Opal diffuser 2m PR4                      |
| 21306          | Kit 4 viti+2 testate di chiusura PR4 - 4 screws+2 end caps kit PR4 |
| 21307          | Kit 4 staffe di fissaggio PR4 - 4 fixing brackets kit PR4          |

## PR5 FLEX SET PROFILO PIEGHEVOLE / SET BENDABLE PROFILE



cod. 21623  
**PR5 FLEX**  
 Set completo profilo alluminio  
 Complete set aluminium profile

**PR5 FLEX**

codice  
 code

|       |  |
|-------|--|
| 21623 | Set profilo 2m alluminio con diffusore opale, testate bianche, 4 staffe<br>2m aluminium profile set with opal diffuser, white end caps, 4 brackets |
|-------|--|



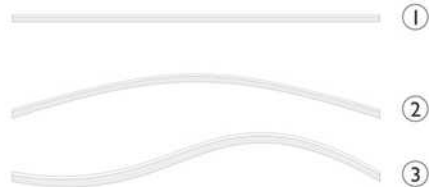
Diffusore opale  
 Opal diffuser



Kit 2 testate Bianco  
 2 end caps kit white



4 staffe fissaggio  
 4 fixing brackets



Facile da modellare  
 Easy to shape



# POWERLIGHT



Save energy Save life



## COLPO DI VENTO SFERA



### COLPO DI VENTO / Turnip Candle - 230V

| codice code | W  | W       | energy class | attacco base | lumen lumen | diametro diameter | lunghezza length | imballo packing |
|-------------|----|---------|--------------|--------------|-------------|-------------------|------------------|-----------------|
| 20767       | 20 | 26(EUP) | D            | E14          | 235         | 35mm              | 125m             | 100             |
| 20768       | 28 | 37(EUP) | D            | E14          | 370         | 35mm              | 125m             | 100             |
| 20769       | 42 | 55(EUP) | D            | E14          | 630         | 35mm              | 125m             | 100             |



Conforme al regolamento EU Ecodesign nr.244/2009.  
Comply with EU Ecodesign regulation nr.244/2009.

Conforme al regolamento EU 2017/874  
Comply with EU 2017/874



### SFERA

#### Sfera Chiara / Clear Round - 230V

| codice code | W  | W       | energy class | attacco base | lumen lumen | diametro diameter | lunghezza length | imballo packing |
|-------------|----|---------|--------------|--------------|-------------|-------------------|------------------|-----------------|
| 20776       | 20 | 26(EUP) | D            | E14          | 235         | 45mm              | 80mm             | 100             |
| 20777       | 28 | 37(EUP) | D            | E14          | 370         | 45mm              | 80mm             | 100             |
| 20778       | 42 | 55(EUP) | D            | E14          | 630         | 45mm              | 80mm             | 100             |



Conforme al regolamento EU Ecodesign nr.244/2009.  
Comply with EU Ecodesign regulation nr.244/2009.

Conforme al regolamento EU 2017/874  
Comply with EU 2017/874



SIN-  
RIDUZIONE  
CONSUMO

| Lamp. tradizionale<br>Traditional Lamp | W              | lumen lumen       | energy class | vita life            | POWERLIGHT     | W              | lumen lumen       | energy class | vita life            |
|--|----------------|-------------------|--------------|----------------------|----------------|----------------|-------------------|--------------|----------------------|
| Colpo di Vento                         | 25<br>40<br>60 | 200<br>400<br>600 | F<br>E<br>E  | 1000<br>1000<br>1000 | Colpo di Vento | 20<br>28<br>42 | 235<br>370<br>630 | D<br>D<br>D  | 2000<br>2000<br>2000 |
| Sfera                                  | 25<br>40<br>60 | 200<br>400<br>600 | F<br>E<br>E  | 1000<br>1000<br>1000 | Sfera          | 20<br>28<br>42 | 235<br>370<br>630 | D<br>D<br>D  | 2000<br>2000<br>2000 |

Tempo di Accensione: Immediato  
Numero di Accensioni: 8000  
Temperatura di Colore: 2900K  
Fattore di potenza: 1  
Resa cromatica: 100  
Fattore mantenimento lumen al 75%  
della vita media: 85%

Warm-Up Time: Instant Full Light  
Switching Cycles: 8000  
Colour Temperature: 2900K  
Power Factor: 1  
Ra: 100  
Lumen maintenance factor at 75%  
of rated average life time: 85%

LAMPADA STERILIZZANTE UV-C  
UV-C STERILIZING LAMPLAMPADA STERILIZZANTE UV-C  
UV-C STERILIZING LAMP40 m<sup>2</sup>

Indicata per la sterilizzazione di aree fino a 40 mq  
Suitable to sterilize areas up to 40 sq.meters



Controllo a distanza con telecomando per impostazione ciclo di sterilizzazione  
Remote control to set sterilization cycle



Sensore di presenza per prevenire il funzionamento in presenza di persone o animali  
Detection sensor to prevent the lamp working when people or animals are in the room



Senza ozono  
Ozone free



Da non utilizzare per illuminazione generale  
Lamp not intended as general lighting service (GLS)

## Dati tecnici / Technical specifications

|  |                           |
|--|---------------------------|
| codice / code  | 23023                     |
| Sorgente Luminosa / Lighting Source                            | UV-C QUARZO / UV-C QUARTZ |
| Frequenza UV / UV Frequency                                    | 253 nm                    |
| Potenza / Power  | 36W 2G11                  |
| Alimentazione / Mains voltage                                  | 220-240V 50/60Hz          |
| Telecomando / Remote Control                                   | Sì / Yes                  |
| Ciclo di Sterilizzazione / Sterilization Cycle                 | 15' / 30' / 60' min.      |
| Rilevatore di presenza / Motion sensor                         | Sì / Yes                  |
| Dimensioni / Dimensions  | 180*110*410mm             |
| Peso / Weight  | 490gr                     |
| Temperatura ambiente di utilizzo / Working ambient temperature | -5° - 45°C                |



## NON GUARDARE MAI LA SORGENTE LUMINOSA/DO NOT STARE AT THE LIGHTING SOURCE

**Avvertenza** quando la lampada è in funzione, persone ed animali devono uscire dalla stanza.

Le radiazioni UV-C danneggiano la pelle e gli occhi. **Warning** when the UV-C lamp is working, people and animals must leave the room. Direct exposure to direct ultraviolet radiation will cause damages to skin and eyes.

BOX STERILIZZANTE UV-C + CARICA BATTERIA WIRELESS  
UV-C STERILIZING BOX+ WIRELESS CHARGERBOX STERILIZZANTE UV-C + CARICA BATTERIA WIRELESS  
UV-C STERILIZING BOX+ WIRELESS CHARGER

Contenitore per trattamento sterilizzante con radiazioni UV-C  
UV-C sterilizing box



La funzione carica batteria wireless è compatibile con tutti i cellulari certificati Qi  
The wireless charge function is compatible with all Qi certified mobile phones



Adatto per la sterilizzazione di mascherine, smartphones e di tutti gli oggetti che necessitano di sterilizzazione  
Suitable to sterilize masks, smartphones and any object where sterilization is requested



Una fragranza può essere aggiunta durante il processo di sterilizzazione oppure indipendentemente da esso  
A fragrance can be added during the sterilization process or an "Aroma mode" can be run independently

## Dati tecnici / Technical specifications

|  |                    |
|--|--------------------|
| codice / code  | 23024 BIANCO/WHITE |
| codice / code  | 23026 NERO/BLACK   |
| Sorgente Luminosa / Lighting Source                            | LED                |
| Frequenza UV / UV Frequency                                    | 260-280nm          |
| Potenza / Power  | 3.5W               |
| Alimentazione / Mains voltage                                  | USB 5/9V 2A        |
| Ciclo di Sterilizzazione / Sterilization Cycle                 | 5 min              |
| Carica Wireless / Wireless Charge                              | Sì / Yes           |
| Dimensioni / Dimensions  | 242*126*48mm       |
| Peso / Weight  | 400gr              |
| Temperatura ambiente di utilizzo / Working ambient temperature | 0° - 42°C          |

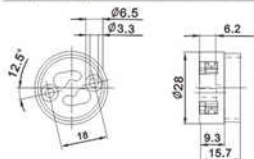


Protalampada per lampade a diodi GZ10/GUI10  
KITGUI10/GZ10



Protalampada per lampade a diodi GZ10 / GUI10  
Lamp-holder for MR-16 GZ10/ GUI10

codice 19846  
code 19846



KITGUI10/GZ10  
Adattatore per GUI10/GZ10.  
GUI10/GZ10 adaptor.

codice 40482  
code 40482

Alimentazioni  
Electronic Transformers

Trasformatore elettronico LED 12V  
LED electronic transformer 12V

| codice code | primario mains | secondario secondary | campo potenza wattage range | IP | dimensioni dimensions |
|-------------|----------------|----------------------|-----------------------------|----|-----------------------|
|-------------|----------------|----------------------|-----------------------------|----|-----------------------|

OSRAM



|       |  |     |       |    |               |
|-------|--|-----|-------|----|---------------|
| 21918 | 220-240V AC / 50Hz<br>collegare max. 3 lampadine LED<br>connect max. 3 LED bulbs | 12V | 2-30W | 20 | 80 x 38 x H28 |
|-------|--|-----|-------|----|---------------|



|       |  |     |       |    |                |
|-------|--|-----|-------|----|----------------|
| 22918 | 220-240V AC / 50Hz<br>collegare max. 4/5 lampadine LED<br>connect max. 4/5 LED bulbs | 12V | 2-50W | 20 | 117 x 32 x H20 |
|-------|--|-----|-------|----|----------------|

Dimmer LED testati per compatibilità  
Compatible tested LED dimmer

-FINDER 15.8 I  
-ETD2E9 (TCI)  
-RM0540 (RELCO)  
-TECNEL FLO7636M

PRO TUBI LED T8 HI-LUMEN \_UNIVERSAL

Lista ballasts compatibili T8\_600mm

List of compatible ballasts T8\_600mm

| Brand    | Model                     | Channel | System power (w) | Rate input power (w) | Lamp input power (W) | Deviation from rated input power rate(%) | Rated current for rated output flux(mA) | LED Voltage (V) | LED current (mA) | Deviation from rated current rate(%) | System pf | Compatibility or not | efficiency(%) |
|----------|---------------------------|---------|------------------|----------------------|----------------------|--|---|-----------------|------------------|--------------------------------------|-----------|----------------------|---------------|
| OSRAM    | QT-FIT8 ZX18              | 2       | 21.6             | 20.0                 | 13.5                 | 8.00                                     | 300                                     | 29.0            | 233              | 22.33                                | 0.951     | Y                    | 62.5          |
| OSRAM    | QT-FIT 5/8 IX18-39        | 1       | 10.4             | 10.0                 | 7.2                  | 4.00                                     | 300                                     | 29.0            | 249              | 17.00                                | 0.905     | Y                    | 69.5          |
| OSRAM    | QT-FIT 5/8 ZX18-39        | 2       | 24.8             | 20.0                 | 19.4                 | 24.00                                    | 300                                     | 29.8            | 325              | -8.33                                | 0.928     | Y                    | 78.1          |
| OSRAM    | QT-FIT 5/8 ZX18-39(EAC)   | 2       | 24.3             | 20.0                 | 19.2                 | 21.00                                    | 300                                     | 29.8            | 322              | -7.33                                | 0.927     | Y                    | 79.3          |
| OSRAM    | QT-FIT 5/8 ZX18-39(A2BAT) | 2       | 24.2             | 20.0                 | 19.1                 | 21.00                                    | 300                                     | 29.8            | 321              | -7.00                                | 0.923     | Y                    | 79.1          |
| OSRAM    | QTP-OPTIMAL IX18-40       | 1       | 10.5             | 10.0                 | 7.0                  | 5.00                                     | 300                                     | 29.0            | 241              | 19.67                                | 0.861     | Y                    | 66.5          |
| OSRAM    | QTP-OPTIMAL ZX18-40 (EAC) | 2       | 24.1             | 20.0                 | 18.7                 | 20.50                                    | 300                                     | 29.7            | 314              | -4.67                                | 0.909     | Y                    | 77.4          |
| OSRAM    | QTP-OPTIMAL ZX18-40       | 2       | 24.8             | 20.0                 | 19.1                 | 24.00                                    | 300                                     | 29.8            | 320              | -6.67                                | 0.915     | Y                    | 76.9          |
| OSRAM    | QT8 3x18Q20-240           | 3       | 36.5             | 30.0                 | 27.1                 | 21.67                                    | 300                                     | 29.6            | 305              | -1.67                                | 0.983     | Y                    | 74.2          |
| PHILIPS  | HF-P 118TLD-EII 220-240   | 1       | 10.1             | 10.0                 | 7.3                  | 1.00                                     | 300                                     | 29.2            | 249              | 17.00                                | 0.98      | Y                    | 71.9          |
| PHILIPS  | HF-S 118TL-D II           | 1       | 11.2             | 10.0                 | 7.0                  | 12.00                                    | 300                                     | 29.0            | 240              | 20.00                                | 0.968     | Y                    | 62.1          |
| PHILIPS  | HF-S 218TL-D II           | 2       | 19.6             | 20.0                 | 14.6                 | -2.00                                    | 300                                     | 29.1            | 250              | 16.67                                | 0.947     | Y                    | 74.2          |
| TRIDONIC | PC 118T8TOP               | 1       | 13.7             | 10.0                 | 8.8                  | 37.00                                    | 300                                     | 29.6            | 298              | 0.67                                 | 0.958     | Y                    | 64.4          |
| TRIDONIC | PC 2X18T8 PRO Ip          | 2       | 18.7             | 20.0                 | 14.7                 | -6.50                                    | 300                                     | 29.1            | 252              | 16.00                                | 0.935     | Y                    | 78.4          |
| TRIDONIC | PC 1x18T8TOP-II           | 1       | 10.4             | 10.0                 | 7.2                  | 4.00                                     | 380                                     | 29.1            | 248              | 34.74                                | 0.921     | Y                    | 69.4          |

PRO TUBI LED T8 HI-LUMEN UNIVERSAL

Lista ballasts compatibili T8\_ 1200mm  
 List of compatible ballasts T8\_ 1200mm

| Brand    | Model                     | Channel | System power (w) | Rate input power (w) | Lamp input power (W) | Deviation from rated input power rate(%) | Rated current for rated output flux(mA) | LED Voltage (V) | LED current (mA) | Deviation from rated current rate(%) | System PF | Compatibility or not | efficiency(%) |
|----------|---------------------------|---------|------------------|----------------------|----------------------|--|---|-----------------|------------------|--------------------------------------|-----------|----------------------|---------------|
| OSRAM    | QTFIT 5x8 1X18-39         | 1       | 17.5             | 19.2                 | 14.0                 | -8.85                                    | 320                                     | 57.9            | 242              | 24.38                                | 0.966     | Y                    | 80.1          |
| OSRAM    | QTFIT 5x8 2x18-39         | 2       | 42.2             | 38.4                 | 37.2                 | 9.90                                     | 320                                     | 59.3            | 314              | 1.88                                 | 0.974     | Y                    | 88.2          |
| OSRAM    | QTFITB 1x36               | 1       | 22.5             | 19.2                 | 19.0                 | 17.19                                    | 320                                     | 59.6            | 319              | 0.31                                 | 0.945     | Y                    | 84.5          |
| OSRAM    | QTFITB 2x36               | 2       | 42.7             | 38.4                 | 37.9                 | 11.20                                    | 320                                     | 59.4            | 319              | 0.31                                 | 0.979     | Y                    | 88.8          |
| OSRAM    | E298 1x36/220             | 1       | 20.7             | 19.2                 | 17.5                 | 7.81                                     | 320                                     | 58.6            | 298              | 6.88                                 | 0.958     | Y                    | 84.4          |
| OSRAM    | QTF8 2x36/220-240         | 2       | 51.0             | 38.4                 | 43.1                 | 32.81                                    | 320                                     | 60.2            | 358              | -11.88                               | 0.988     | Y                    | 84.5          |
| OSRAM    | QTF-OPTIMAL 1X18-40       | 1       | 17.6             | 19.2                 | 14.0                 | -8.33                                    | 320                                     | 58.0            | 241              | 24.69                                | 0.935     | Y                    | 79.4          |
| OSRAM    | QTF-OPTIMAL 2X18-40       | 2       | 43.0             | 38.4                 | 36.7                 | 11.98                                    | 320                                     | 59.2            | 310              | 3.13                                 | 0.97      | Y                    | 85.4          |
| PHILIPS  | HF-R 136 TLD E8           | 1       | 20.7             | 19.2                 | 16.0                 | 7.81                                     | 320                                     | 58.6            | 273              | 14.69                                | 0.941     | Y                    | 77.3          |
| PHILIPS  | HF-C 136 TLD 220-240EP    | 1       | 22.9             | 19.2                 | 19.6                 | 19.27                                    | 320                                     | 59.6            | 329              | -2.81                                | 0.616     | Y                    | 85.6          |
| PHILIPS  | HF-S 236 TLD-D II         | 2       | 33.1             | 38.4                 | 28.4                 | -13.80                                   | 320                                     | 58.0            | 245              | 23.44                                | 0.948     | Y                    | 85.9          |
| PHILIPS  | EB-C 136 TLD 220          | 1       | 22.9             | 19.2                 | 19.37                | 19.27                                    | 320                                     | 59.6            | 325              | -1.36                                | 0.978     | Y                    | 84.6          |
| PHILIPS  | EB-C 136 TLD 220          | 2       | 23.4             | 38.4                 | 19.5924              | -39.06                                   | 320                                     | 56.3            | 174              | 45.63                                | 0.991     | Y                    | 83.7          |
| PHILIPS  | EB-C 236 TLD 220          | 2       | 41.7             | 38.4                 | 35.2                 | 8.59                                     | 320                                     | 59.0            | 298              | 6.88                                 | 0.978     | Y                    | 84.3          |
| PHILIPS  | EB-E 236 TLD 220          | 2       | 46.1             | 38.4                 | 38.9                 | 20.05                                    | 320                                     | 59.6            | 326              | -1.88                                | 0.98      | Y                    | 84.3          |
| PHILIPS  | EB-C 236 TLD-D 220        | 2       | 48.3             | 38.4                 | 40.1                 | 25.78                                    | 320                                     | 59.7            | 336              | -5.00                                | 0.98      | Y                    | 83.1          |
| PHILIPS  | HF-S 136 TLD-D II (Grey)  | 1       | 17.4             | 19.2                 | 14.9                 | -9.38                                    | 320                                     | 57.6            | 258              | 19.38                                | 0.961     | Y                    | 85.4          |
| PHILIPS  | HF-S 136 TLD-D II (White) | 1       | 18.6             | 19.2                 | 14.6                 | -3.12                                    | 320                                     | 58.3            | 250              | 21.88                                | 0.984     | Y                    | 78.4          |
| PHILIPS  | HF-S 236 TLD-D II         | 2       | 33.3             | 38.4                 | 26.8                 | -13.28                                   | 320                                     | 58.0            | 231              | 27.84                                | 0.94      | Y                    | 80.5          |
| PHILIPS  | HF-S 336 TLD-D II         | 3       | 55.4             | 57.6                 | 50.1                 | -3.82                                    | 320                                     | 58.6            | 285              | 10.94                                | 0.97      | Y                    | 90.4          |
| PHILIPS  | HF-P 136 TLD E8 220-240   | 1       | 19.9             | 19.2                 | 16.8                 | 3.65                                     | 320                                     | 58.9            | 286              | 10.63                                | 0.985     | Y                    | 84.7          |
| PHILIPS  | HF-P 236 TLD E8 220-240   | 2       | 36.5             | 38.4                 | 32.4                 | -4.95                                    | 320                                     | 58.7            | 276              | 13.75                                | 0.991     | Y                    | 88.8          |
| TRIDONIC | PC 1x36T8 PRO lp          | 1       | 17.9             | 19.2                 | 14.1                 | -6.77                                    | 320                                     | 58.1            | 242              | 24.38                                | 0.967     | Y                    | 78.5          |
| TRIDONIC | PC 1x36T8 TOP st          | 1       | 17.1             | 19.2                 | 13.3                 | -10.94                                   | 320                                     | 57.7            | 231              | 27.81                                | 0.95      | Y                    | 77.9          |
| TRIDONIC | PC 2x36T8 TOP st          | 2       | 40.6             | 38.4                 | 34.2                 | 5.73                                     | 320                                     | 59              | 290              | 9.38                                 | 0.909     | Y                    | 84.3          |
| PHILIPS  | PAR6 236                  | 2       | 42.9             | 38.4                 | 37.2                 | 11.72                                    | 320                                     | 59.2            | 314              | 1.88                                 | 0.975     | Y                    | 86.7          |
| GE       | ELB 136E                  | 1       | 20.2             | 19.2                 | 16.9                 | 5.21                                     | 320                                     | 58.8            | 288              | 10.00                                | 0.99      | Y                    | 83.8          |
| YS       | TYPE ELX 236 208          | 2       | 40.4             | 38.4                 | 35.5                 | 5.21                                     | 320                                     | 58.9            | 301              | 5.94                                 | 0.71      | Y                    | 87.8          |
| HEP      | SS 118-40                 | 1       | 19.5             | 19.2                 | 14.4                 | 1.56                                     | 320                                     | 58.3            | 247              | 22.81                                | 0.91      | Y                    | 73.8          |
| HEP      | SS 136A                   | 1       | 23.7             | 19.2                 | 18.5                 | 23.44                                    | 320                                     | 59.2            | 312              | 2.50                                 | 0.92      | Y                    | 77.9          |

PRO TUBI LED T8 HI-LUMEN UNIVERSAL

Lista ballasts compatibili T8\_ 1500mm  
 List of compatible ballasts T8\_ 1500mm

| Brand    | Model                   | Channel | System power (w) | Rate input power (w) | Lamp input power (W) | Deviation from rated input power rate(%) | Rated current for rated output flux(mA) | LED Voltage (V) | LED current (mA) | Deviation from rated current rate(%) | System PF | Compatibility or not | efficiency(%) |
|----------|-------------------------|---------|------------------|----------------------|----------------------|--|---|-----------------|------------------|--------------------------------------|-----------|----------------------|---------------|
| OSRAM    | QTF-OPTIMAL 2X54-58     | 2       | 51.6             | 47.0                 | 43.4                 | 9.79                                     | 380                                     | 60.3            | 360              | 5.26                                 | 0.973     | Y                    | 84.1          |
| OSRAM    | QTI 2x28/54 35/49 GII   | 2       | 56.8             | 47.0                 | 45.5                 | 20.85                                    | 380                                     | 60.5            | 376              | 1.05                                 | 0.991     | Y                    | 80.1          |
| OSRAM    | QTFIT5/8 2x54-58        | 2       | 51.1             | 47.0                 | 44.2                 | 8.72                                     | 380                                     | 59.7            | 370              | 2.43                                 | 0.953     | Y                    | 86.5          |
| OSRAM    | QTI8 2x36/220-240       | 2       | 51.8             | 47.0                 | 46.1                 | 10.21                                    | 380                                     | 60.6            | 380              | 0.00                                 | 0.965     | Y                    | 88.9          |
| OSRAM    | QTFIT 5x8 1X18-39       | 1       | 18.0             | 23.5                 | 14.4                 | -23.40                                   | 380                                     | 58.5            | 246              | 35.26                                | 0.967     | Y                    | 80.0          |
| OSRAM    | QTFIT 5x8 2X18-39       | 2       | 43.0             | 47.0                 | 37.5                 | -8.51                                    | 380                                     | 59.6            | 315              | 17.11                                | 0.977     | Y                    | 87.3          |
| OSRAM    | QTF-OPTIMAL 1X18-40     | 1       | 17.5             | 23.5                 | 13.9                 | -25.53                                   | 380                                     | 58.1            | 240              | 36.84                                | 0.911     | Y                    | 79.7          |
| OSRAM    | QTF-OPTIMAL 2X18-40     | 2       | 42.9             | 47.0                 | 37.0                 | -6.72                                    | 380                                     | 59.6            | 310              | 18.42                                | 0.959     | Y                    | 86.1          |
| OSRAM    | QTF-OPTIMAL 1X54-58     | 1       | 23.0             | 23.5                 | 18.8                 | -2.13                                    | 380                                     | 59.6            | 316              | 16.84                                | 0.924     | Y                    | 81.9          |
| OSRAM    | QTF-OPTIMAL 2X54-58     | 2       | 54.4             | 47.0                 | 43.2                 | 15.74                                    | 380                                     | 60.4            | 358              | 5.79                                 | 0.976     | Y                    | 79.5          |
| OSRAM    | QTFIT 5/8 1X54-58       | 1       | 22.9             | 23.5                 | 18.6                 | -2.55                                    | 380                                     | 59.5            | 313              | 17.63                                | 0.912     | Y                    | 81.3          |
| OSRAM    | QTFIT 5/8 2X54-58       | 2       | 51.8             | 47.0                 | 44.9                 | 10.21                                    | 380                                     | 60.8            | 369              | 2.89                                 | 0.952     | Y                    | 86.6          |
| OSRAM    | QTFITB 1X58-70          | 1       | 28.2             | 23.5                 | 23.6                 | 20.00                                    | 380                                     | 60.9            | 387              | -1.84                                | 0.943     | Y                    | 83.6          |
| PHILIPS  | HF-P 138 TLD 220-240    | 1       | 27.5             | 23.5                 | 22.6                 | 17.02                                    | 380                                     | 60.3            | 374              | 1.58                                 | 0.964     | Y                    | 82.0          |
| PHILIPS  | HF-P 158 TLD-D III IDC  | 1       | 23.3             | 23.5                 | 19.3                 | -0.85                                    | 380                                     | 59.6            | 323              | 15.00                                | 0.939     | Y                    | 82.6          |
| PHILIPS  | HF-P 258 TLD-D III IDC  | 2       | 49.9             | 47.0                 | 44.2                 | 6.17                                     | 380                                     | 60.0            | 368              | 3.16                                 | 0.968     | Y                    | 88.5          |
| PHILIPS  | HF-S 254 TLD II         | 2       | 50.8             | 47.0                 | 43.6                 | 8.09                                     | 380                                     | 60.6            | 360              | 5.26                                 | 0.977     | Y                    | 85.9          |
| PHILIPS  | EB-C 236 TLD-D 220      | 2       | 49.1             | 47.0                 | 40.1                 | 4.47                                     | 380                                     | 59.9            | 335              | 11.84                                | 0.993     | Y                    | 81.7          |
| PHILIPS  | HF-B 158 TLD E8 220-240 | 1       | 31.1             | 23.5                 | 25.8                 | 32.34                                    | 380                                     | 61.2            | 421              | -10.79                               | 0.953     | Y                    | 82.8          |
| PHILIPS  | HF-B 258 TLD E8 220-240 | 2       | 53.7             | 47.0                 | 46.3                 | 14.26                                    | 380                                     | 60.5            | 383              | -0.79                                | 0.979     | Y                    | 86.3          |
| PHILIPS  | HF-S 258 TLD-D II       | 2       | 46.5             | 47.0                 | 40.2                 | -1.06                                    | 380                                     | 60.0            | 335              | 11.84                                | 0.943     | Y                    | 86.5          |
| PHILIPS  | HF-R 158 TLD II         | 1       | 28.3             | 23.5                 | 23.8                 | 20.43                                    | 380                                     | 60.2            | 396              | -4.21                                | 0.943     | Y                    | 84.2          |
| PHILIPS  | HF-S 128 TLD-D II       | 2       | 28.0             | 47.0                 | 23.6                 | -40.43                                   | 380                                     | 57.3            | 206              | 45.79                                | 0.962     | Y                    | 84.3          |
| PHILIPS  | HF-S 136 TLD-D II       | 1       | 18.7             | 23.5                 | 14.7                 | -20.43                                   | 380                                     | 58.6            | 250              | 34.21                                | 0.968     | Y                    | 78.3          |
| PHILIPS  | HF-S 236 TLD-D II       | 2       | 33.6             | 47.0                 | 29.0                 | -28.51                                   | 380                                     | 58.4            | 248              | 34.74                                | 0.949     | Y                    | 86.2          |
| PHILIPS  | HF-S 136 TLD-D II       | 3       | 55.2             | 70.5                 | 49.6                 | -21.70                                   | 380                                     | 59.0            | 280              | 26.32                                | 0.971     | Y                    | 89.8          |
| PHILIPS  | HF-S 158 TLD-D II       | 1       | 22.0             | 23.5                 | 17.4                 | -6.38                                    | 380                                     | 59.4            | 293              | 22.89                                | 0.932     | Y                    | 79.1          |
| PHILIPS  | HF-S 258 TLD-D II       | 2       | 46.1             | 47.0                 | 40.0                 | -1.91                                    | 380                                     | 60.0            | 333              | 12.37                                | 0.946     | Y                    | 86.7          |
| PHILIPS  | HF-P 158 TLD-D III IDC  | 1       | 23.7             | 23.5                 | 19.4                 | 0.85                                     | 380                                     | 60.0            | 323              | 15.00                                | 0.948     | Y                    | 81.8          |
| PHILIPS  | ADVANCE ICN 2554        | 2       | 51.1             | 47.0                 | 41.5                 | 8.72                                     | 380                                     | 60.1            | 345              | 9.21                                 | 0.962     | Y                    | 81.2          |
| TRIDONIC | PC 1/49T5 INDUSTRY      | 1       | 19.1             | 19.2                 | 14.8                 | -0.52                                    | 320                                     | 57.8            | 256              | 20.00                                | 0.774     | Y                    | 77.5          |
| TRIDONIC | PC 1x58T8 PRO lp        | 1       | 22.7             | 19.2                 | 18.2                 | 18.23                                    | 320                                     | 58.8            | 310              | 3.13                                 | 0.913     | Y                    | 80.3          |
| TRIDONIC | PC 2x58T8 PRO lp        | 2       | 51.4             | 47.0                 | 45.6                 | 9.36                                     | 380                                     | 60.5            | 377              | 0.79                                 | 0.917     | Y                    | 88.7          |
| bag      | BCCS81FX-II/220-240     | 2       | 49.2             | 47.0                 | 42.5                 | 4.68                                     | 380                                     | 60              | 354              | 6.84                                 | 0.98      | Y                    | 86.3          |
| B.F.Y    | TJB-E258H               | 2       | 54.2             | 47.0                 | 48.2                 | 15.32                                    | 380                                     | 61              | 395              | -3.95                                | 0.962     | Y                    | 88.9          |
| TCI      | BLTL 154H               | 1       | 20.6             | 23.5                 | 16.4                 | -12.34                                   | 380                                     | 58.7            | 280              | 26.32                                | 0.924     | Y                    | 79.8          |



| CODICE | €     | Pag.    | CODICE | €     | Pag.    | CODICE | €     | Pag.    | CODICE | €     | Pag. |
|--------|-------|---------|--------|-------|---------|--------|-------|---------|--------|-------|------|
| 11026  | 3.06  | 121     | 21153  | 5.52  | 88      | 21329  | 22.00 | 25      | 21527  | 5.45  | 89   |
| 11027  | 3.06  | 121     | 21189  | 15.83 | 19      | 21330  | 22.00 | 25      | 21528  | 5.45  | 89   |
| 11028  | 3.06  | 121     | 21190  | 15.83 | 18      | 21332  | 25.47 | 25      | 21529  | 15.91 | 61   |
| 11029  | 5.49  | 121     | 21191  | 5.83  | 43      | 21336  | 10.49 | 43      | 21530  | 21.46 | 62   |
| 11030  | 5.49  | 121     | 21192  | 7.01  | 43      | 21337  | 10.49 | 43      | 21533  | 79.87 | 37   |
| 11031  | 7.85  | 121     | 21197  | 7.99  | 55      | 21338  | 10.49 | 43      | 21534  | 6.32  | 51   |
| 11112  | 4.17  | 119     | 21200  | 15.04 | 44      | 21353  | 18.06 | 90      | 21537  | 55.57 | 37   |
| 11113  | 4.53  | 119     | 21201  | 15.04 | 44      | 21376  | 13.92 | 127     | 21538  | 62.52 | 37   |
| 11114  | 5.22  | 119     | 21208  | 24.20 | 30      | 21377  | 14.68 | 129     | 21539  | 9.41  | 43   |
| 11115  | 5.55  | 119     | 21209  | 24.20 | 30      | 21378  | 2.42  | 127-129 | 21540  | 9.41  | 43   |
| 19846  | 1.44  | 139     | 21212  | 5.74  | 88      | 21379  | 2.04  | 127-130 | 21545  | 9.42  | 71   |
| 20371  | 13.31 | 120     | 21213  | 5.74  | 88      | 21391  | 23.07 | 18      | 21546  | 12.42 | 72   |
| 20373  | 28.94 | 120     | 21216  | 9.72  | 70      | 21393  | 29.17 | 67      | 21547  | 8.87  | 72   |
| 20767  | 3.90  | 136     | 21217  | 24.83 | 67      | 21425  | 19.52 | 20      | 21548  | 11.14 | 71   |
| 20768  | 3.90  | 136     | 21229  | 6.62  | 47      | 21426  | 19.52 | 20      | 21549  | 4.37  | 65   |
| 20769  | 3.90  | 136     | 21230  | 6.62  | 47      | 21429  | 13.35 | 49      | 21550  | 8.36  | 66   |
| 20776  | 2.90  | 136     | 21231  | 13.29 | 47      | 21430  | 15.83 | 18      | 21551  | 6.25  | 65   |
| 20777  | 2.90  | 136     | 21232  | 5.72  | 57      | 21432  | 40.14 | 29      | 21552  | 3.31  | 69   |
| 20778  | 2.90  | 136     | 21269  | 6.46  | 56      | 21433  | 40.14 | 29      | 21553  | 3.70  | 69   |
| 20886  | 10.28 | 49      | 21270  | 3.89  | 86      | 21434  | 44.94 | 29      | 21554  | 3.31  | 68   |
| 20887  | 10.28 | 49      | 21271  | 3.89  | 86      | 21436  | 6.18  | 46      | 21555  | 3.31  | 68   |
| 20918  | 65.47 | 120-122 | 21272  | 3.89  | 86      | 21437  | 6.18  | 46      | 21556  | 3.70  | 68   |
| 20919  | 44.28 | 120     | 21273  | 4.81  | 86      | 21440  | 16.18 | 131     | 21557  | 3.70  | 68   |
| 20936  | 10.28 | 50      | 21274  | 4.81  | 86      | 21441  | 18.22 | 131     | 21558  | 5.49  | 69   |
| 20987  | 10.28 | 50      | 21275  | 4.81  | 86      | 21442  | 8.87  | 131     | 21559  | 5.57  | 73   |
| 20988  | 10.28 | 50      | 21276  | 3.59  | 86      | 21443  | 6.41  | 131     | 21560  | 8.36  | 74   |
| 21021  | 4.97  | 56      | 21277  | 3.59  | 86      | 21444  | 0.98  | 131     | 21561  | 7.22  | 74   |
| 21048  | 10.84 | 127     | 21278  | 3.59  | 86      | 21445  | 2.79  | 131     | 21562  | 5.05  | 76   |
| 21049  | 11.82 | 129     | 21279  | 3.59  | 86      | 21446  | 1.06  | 131     | 21563  | 4.37  | 77   |
| 21051  | 5.95  | 127-130 | 21280  | 3.59  | 86      | 21447  | 2.26  | 131     | 21564  | 4.37  | 76   |
| 21052  | 7.91  | 127-130 | 21281  | 3.59  | 86      | 21452  | 12.16 | 54      | 21567  | 55.69 | 79   |
| 21053  | 0.84  | 127-129 | 21282  | 3.59  | 87      | 21463  | 6.62  | 47      | 21568  | 58.70 | 80   |
| 21054  | 0.57  | 127-130 | 21283  | 3.59  | 87      | 21464  | 13.29 | 47      | 21569  | 66.21 | 81   |
| 21055  | 8.06  | 58      | 21284  | 3.59  | 87      | 21478  | 10.42 | 53      | 21570  | 51.91 | 82   |
| 21057  | 10.23 | 58      | 21287  | 4.53  | 46      | 21479  | 10.42 | 53      | 21582  | 11.05 | 52   |
| 21068  | 4.53  | 44      | 21288  | 4.53  | 46      | 21486  | 8.18  | 85      | 21583  | 8.19  | 90   |
| 21069  | 4.53  | 44      | 21301  | 5.95  | 127-130 | 21487  | 8.18  | 85      | 21584  | 8.19  | 90   |
| 21070  | 4.53  | 44      | 21302  | 51.40 | 132     | 21488  | 8.18  | 85      | 21585  | 8.19  | 90   |
| 21071  | 4.53  | 44      | 21303  | 6.92  | 132     | 21489  | 11.60 | 85      | 21586  | 52.09 | 22   |
| 21083  | 13.35 | 49      | 21304  | 8.97  | 132     | 21490  | 11.60 | 85      | 21587  | 52.09 | 22   |
| 21084  | 13.35 | 49      | 21305  | 6.92  | 132     | 21491  | 11.60 | 85      | 21588  | 55.57 | 22   |
| 21086  | 13.35 | 49      | 21306  | 2.79  | 132     | 21492  | 9.09  | 27      | 21589  | 55.57 | 22   |
| 21087  | 13.35 | 49      | 21307  | 8.43  | 132     | 21493  | 9.09  | 27      | 21592  | 4.37  | 65   |
| 21098  | 13.83 | 26      | 21314  | 7.99  | 55      | 21494  | 19.49 | 128     | 21593  | 3.70  | 68   |
| 21117  | 15.79 | 73      | 21317  | 5.52  | 88      | 21495  | 22.95 | 128     | 21594  | 3.70  | 69   |
| 21128  | 5.83  | 43      | 21320  | 10.97 | 55      | 21496  | 2.49  | 128-130 | 21608  | 39.60 | 39   |
| 21129  | 7.01  | 43      | 21321  | 10.97 | 55      | 21497  | 3.39  | 128-130 | 21609  | 43.06 | 39   |
| 21131  | 15.83 | 19      | 21322  | 14.25 | 54      | 21498  | 29.42 | 130     | 21610  | 39.60 | 39   |
| 21132  | 15.83 | 18      | 21323  | 14.25 | 54      | 21499  | 33.04 | 130     | 21611  | 43.06 | 39   |
| 21133  | 5.83  | 43      | 21324  | 28.20 | 31      | 21500  | 5.50  | 130     | 21623  | 14.58 | 133  |
| 21134  | 7.01  | 43      | 21325  | 30.45 | 28      | 21506  | 6.32  | 51      | 21624  | 5.55  | 91   |
| 21141  | 6.77  | 57      | 21326  | 30.45 | 28      | 21516  | 15.83 | 17      | 21626  | 7.50  | 91   |
| 21152  | 5.52  | 88      | 21327  | 30.45 | 28      | 21517  | 23.07 | 17      | 21627  | 9.72  | 92   |

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| 21628  | 5.55  | 91   | 21700    | 61.50  | 9       | 22033  | 65.05  | 120  |        |   |      |
| 21630  | 7.50  | 91   | 21701    | 61.50  | 10      | 22034  | 83.79  | 120  |        |   |      |
| 21631  | 9.72  | 92   | 21702    | 61.50  | 9       | 22918  | 30.87  | 139  |        |   |      |
| 21632  | 0.42  | 93   | 21703    | 61.50  | 10      | 23016  | 194.04 | 120  |        |   |      |
| 21633  | 26.32 | 24   | 21918    | 12.13  | 139     | 23017  | 222.71 | 120  |        |   |      |
| 21634  | 26.32 | 24   | 21922/24 | 73.86  | 107     | 23019  | 319.73 | 120  |        |   |      |
| 21635  | 26.32 | 24   | 21923/24 | 73.86  | 107     | 23022  | 104.74 | 124  |        |   |      |
| 21636  | 26.32 | 24   | 21924/24 | 88.80  | 108     | 23023  | 99.23  | 137  |        |   |      |
| 21637  | 27.57 | 24   | 21925/24 | 88.80  | 108     | 23024  | 80.70  | 138  |        |   |      |
| 21638  | 27.57 | 24   | 21934/24 | 92.15  | 109     | 23026  | 80.70  | 138  |        |   |      |
| 21639  | 27.57 | 24   | 21935/24 | 100.49 | 110     | 23027  | 76.07  | 123  |        |   |      |
| 21640  | 27.57 | 24   | 21936    | 98.12  | 120-122 | 25100  | 27.56  | 120  |        |   |      |
| 21643  | 26.67 | 59   | 21944/24 | 30.68  | 113     | 40482  | 2.84   | 139  |        |   |      |
| 21644  | 26.67 | 59   | 21945/24 | 30.68  | 113     |        |        |      |        |   |      |
| 21645  | 26.67 | 59   | 21948/24 | 94.69  | 102     |        |        |      |        |   |      |
| 21646  | 36.54 | 59   | 21949/24 | 105.58 | 101     |        |        |      |        |   |      |
| 21647  | 36.54 | 59   | 21953/24 | 144.33 | 106     |        |        |      |        |   |      |
| 21648  | 36.54 | 59   | 21954/24 | 144.33 | 106     |        |        |      |        |   |      |
| 21649  | 39.39 | 60   | 21955/24 | 144.33 | 106     |        |        |      |        |   |      |
| 21650  | 39.39 | 60   | 21956/24 | 37.74  | 115     |        |        |      |        |   |      |
| 21651  | 39.39 | 60   | 21957/24 | 37.74  | 115     |        |        |      |        |   |      |
| 21654  | 18.06 | 45   | 21958/24 | 126.41 | 105     |        |        |      |        |   |      |
| 21655  | 18.06 | 45   | 21959/24 | 126.41 | 105     |        |        |      |        |   |      |
| 21656  | 18.06 | 45   | 21960/24 | 188.23 | 104     |        |        |      |        |   |      |
| 21657  | 3.59  | 87   | 21961/24 | 188.23 | 104     |        |        |      |        |   |      |
| 21658  | 3.59  | 87   | 21962/24 | 127.46 | 111     |        |        |      |        |   |      |
| 21659  | 3.59  | 87   | 21963/24 | 127.46 | 111     |        |        |      |        |   |      |
| 21660  | 6.62  | 48   | 21964/24 | 127.46 | 111     |        |        |      |        |   |      |
| 21661  | 6.62  | 48   | 21965/24 | 127.46 | 111     |        |        |      |        |   |      |
| 21662  | 13.29 | 48   | 21966/24 | 34.39  | 117     |        |        |      |        |   |      |
| 21664  | 47.63 | 75   | 21967/24 | 34.39  | 117     |        |        |      |        |   |      |
| 21672  | 10.62 | 33   | 21968/24 | 126.18 | 100     |        |        |      |        |   |      |
| 21673  | 10.62 | 33   | 21969/24 | 126.18 | 100     |        |        |      |        |   |      |
| 21674  | 16.21 | 34   | 21970/24 | 126.18 | 100     |        |        |      |        |   |      |
| 21675  | 16.21 | 34   | 21971/24 | 439.90 | 97      |        |        |      |        |   |      |
| 21676  | 22.40 | 35   | 21972/24 | 439.90 | 97      |        |        |      |        |   |      |
| 21677  | 22.40 | 35   | 21973/24 | 439.90 | 97      |        |        |      |        |   |      |
| 21678  | 14.56 | 33   | 21974/24 | 605.44 | 98      |        |        |      |        |   |      |
| 21679  | 19.43 | 34   | 21975/24 | 605.44 | 98      |        |        |      |        |   |      |
| 21680  | 26.99 | 35   | 21976/24 | 605.44 | 98      |        |        |      |        |   |      |
| 21682  | 8.19  | 53   | 21978/24 | 53.26  | 114     |        |        |      |        |   |      |
| 21683  | 8.19  | 53   | 21979/24 | 53.26  | 114     |        |        |      |        |   |      |
| 21686  | 6.51  | 70   | 21980/24 | 59.04  | 116     |        |        |      |        |   |      |
| 21687  | 7.04  | 70   | 21981/24 | 59.04  | 116     |        |        |      |        |   |      |
| 21688  | 22.68 | 11   | 22013    | 1.10   | 120     |        |        |      |        |   |      |
| 21689  | 22.68 | 11   | 22015    | 34.45  | 120     |        |        |      |        |   |      |
| 21690  | 22.68 | 11   | 22016    | 61.74  | 120     |        |        |      |        |   |      |
| 21691  | 22.68 | 12   | 22017    | 132.30 | 120     |        |        |      |        |   |      |
| 21692  | 22.68 | 12   | 22019    | 166.48 | 120     |        |        |      |        |   |      |
| 21693  | 22.68 | 12   | 22025    | 65.05  | 120     |        |        |      |        |   |      |
| 21694  | 5.49  | 69   | 22027    | 16.54  | 118     |        |        |      |        |   |      |
| 21698  | 61.50 | 9    | 22031    | 39.69  | 120     |        |        |      |        |   |      |
| 21699  | 61.50 | 10   | 22032    | 50.72  | 120     |        |        |      |        |   |      |





## CONDIZIONI GENERALI DI VENDITA ITALIA

- Porto franco: Euro 500,00
- Gli ordini di importo inferiore saranno gravati di Euro 20,00 in fattura a titolo di contributo spese
- Ordine minimo accettabile: Euro 250,00
- Imballo: gratis
- Tutti gli ordini si intendono sempre soggetti a conferma da parte della Società.
- La merce si intende resa franco ns. magazzini di San Marino e viaggia a rischio e pericolo del committente anche se spedita in porto franco. Eventuali reclami relativi al ricevimento della merce dovranno essere subito appuntati quali riserva sul d.d.t ed in ogni caso dovranno esserci segnalati in forma scritta entro e non oltre 8 giorni dal ricevimento della merce stessa, pena la loro inammissibilità.
- Non si assume impegno per la totale evasione dell'ordine e la mancanza di alcuni articoli commissionati non dà diritto a cliente di pretendere la rimanenza sospendendo il pagamento di quanto già ricevuto.
- Le modalità ed i tempi di pagamento convenuti nell'ordine dovranno essere tassativamente osservati ed in caso di ritardo si applicheranno gli interessi di mora.
- Per ogni controversia sarà competente il Foro della Repubblica di San Marino e si applicherà la Legge sammarinese.

I dati tecnici riportati nel presente catalogo possono essere modificati senza preavviso per una migliore sicurezza e funzionalità degli apparecchi.  
*The technical data shown in this catalogue may be modified without notice to increase the safety and functionality of the products.*

