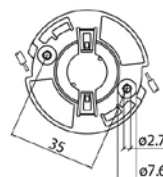


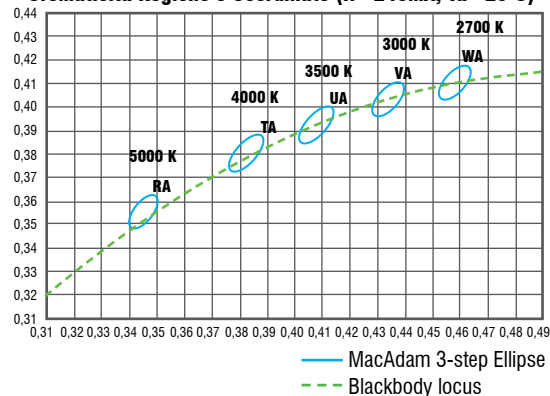
| Article<br>Articolo | Code<br>Codice | CRI<br>min. | CCT<br>K | MacAdam<br>Step | Tc 25°C<br>Flux Typ.<br>lm | Efficacy<br>Typ.<br>lm/W | Tc 85°C<br>Flux Typ.<br>lm | Efficacy<br>Typ.<br>lm/W | If typ<br>mA | Vf typ<br>V |
|---------------------|----------------|-------------|----------|-----------------|----------------------------|--------------------------|----------------------------|--------------------------|--------------|-------------|
| LC019B              | 462601259      | 80          | 2700     | 3               | 2760                       | 144                      | 2512                       | 137                      | 540          | 35,5        |
|                     | 462601260      |             | 3000     |                 | 2876                       | 150                      | 2617                       | 142                      |              |             |
|                     | 462601261      |             | 4000     |                 | 2992                       | 156                      | 2722                       | 148                      |              |             |

| LC019B   |             |
|--|-------------|
| <b>Absolute maximum rating</b><br>Valore assoluto nominale massimo                             |             |
| LED junction temperature<br>Temperatura di giunzione del LED                                   | Tj = 150 °C |
| Case temperature<br>Temperatura involucro  | Tc = 105 °C |
| Forward current<br>Corrente diretta  | If = 980mA  |
| <b>Electro-optical characteristics (If=540mA, Ta=25 °C)</b><br>Caratteristiche elettro-ottiche |             |
| Thermal resistance (junction to chip point)<br>Resistenza termica (giunzione per punto chip)   | 1,5 °C/W    |
| Beam Angle<br>Angolo fascio luminoso   | 115°        |
| Nominal Power<br>Potenza nominale  | 19,2 W      |
| Eye protection<br>Protezione per gli occhi   | Risk 1      |

Holder 8203/G2



Chromaticity Region e Coordinates (If=240mA, Ta=25°C)  
Cromaticità Regione e Coordinate (If=240mA, Ta=25°C)



Product not available for the German market.  
Prodotto non disponibile per il mercato tedesco.

5.

High efficacy COB LED  
COB LED ad alta efficienza

**Reference Norms**  
**Norme di riferimento**  
EN 55015  
EN 61547  
EN 62031  
EN 62471  
UL 8750

**Features**

- Chip on Board (COB) solution makes it easy to design in.
- Simple assembly reduces manufacturing cost.
- Low thermal resistance.
- InGaN/GaN MQW LED with long time reliability.
- Completed 6,000 hours of LM-80 testing.
- LES: Ø 12,4 mm.
- Footprint: 17 mm x 17 mm.

**Applications**

- Spotlight and Downlight.
- LED retrofit bulbs.
- Outdoor illumination.

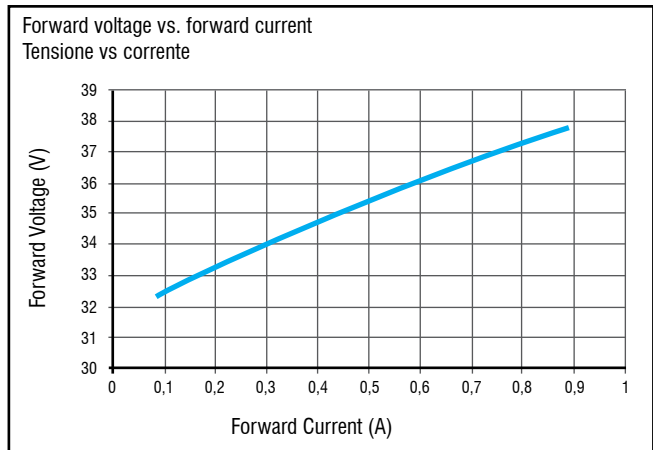
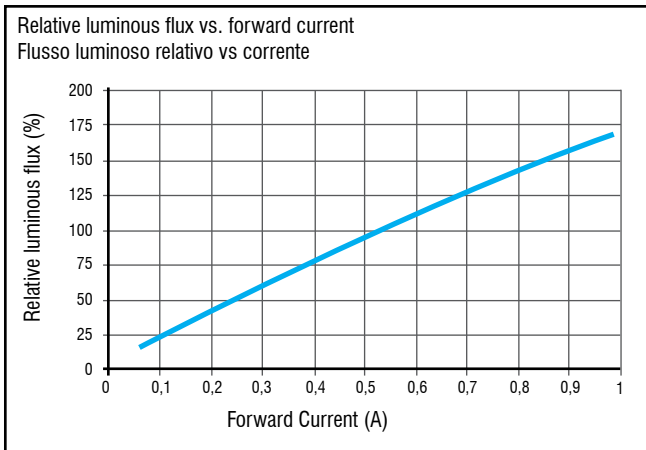
**Caratteristiche**

- Le soluzioni COB rendono facile la progettazione.
- Montaggio semplice che riduce i costi di produzione.
- Bassa resistenza termica.
- InGaN / GaN MQW LED con durevole affidabilità.
- Completato test di 6.000 ore, LM-80 test.
- LES: Ø 12,4 mm.
- Footprint: 17 mm x 17 mm.

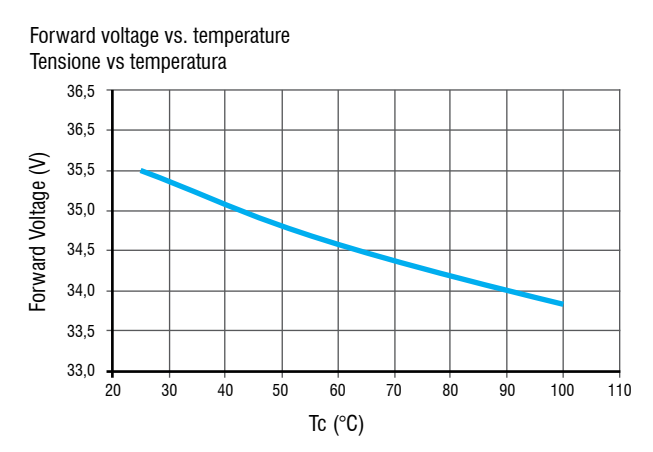
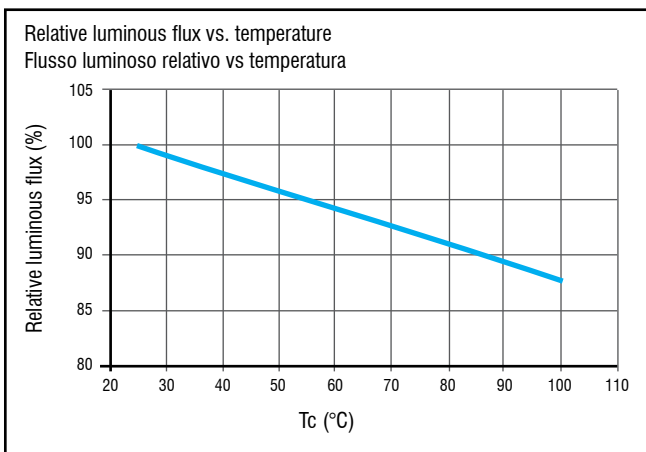
**Applicazioni**

- Spotlight e faretto ad incasso.
- Lampadine LED retrofit.
- Illuminazione esterna.

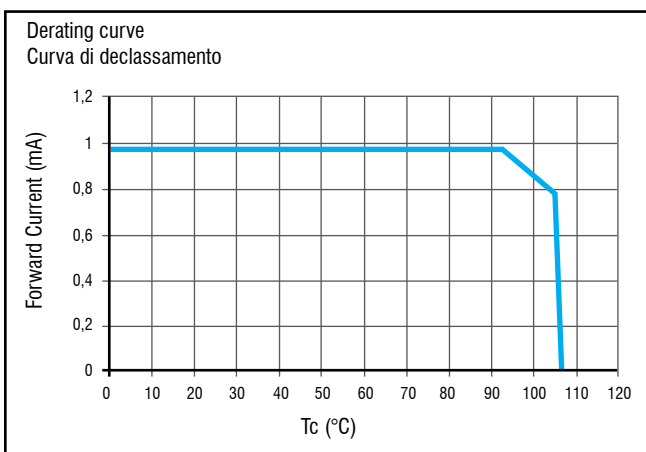
**Forward current characteristics (ta=25 °C) - Caratteristiche corrente (ta = 25 °C)**



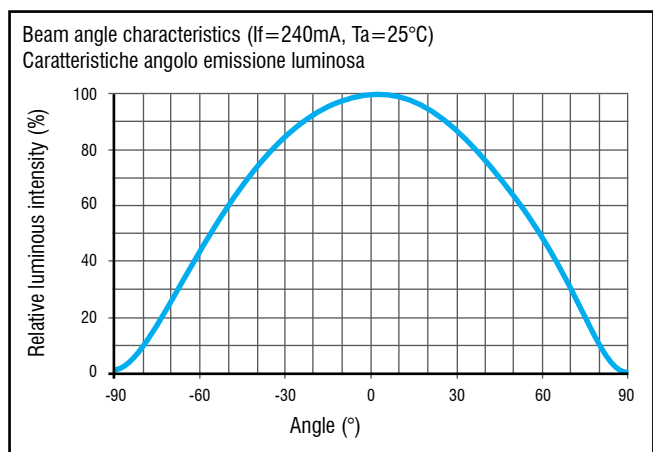
**Temperature characteristics (ta=25 °C) - Caratteristiche di temperatura (Ta = 25 °C)**



**Derating curve - Curva di declassamento**



**Beam angle characteristics (If=240mA, ta=25 °C)  
Caratteristiche angolo di emissione luminosa (If=240mA, ta=25 °C)**



**5.**  
High efficacy COB LED  
COB LED ad alta efficienza