

WORLDWIDE

PRODUCTS



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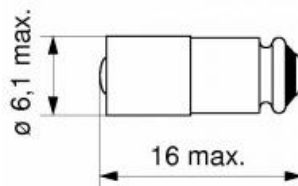
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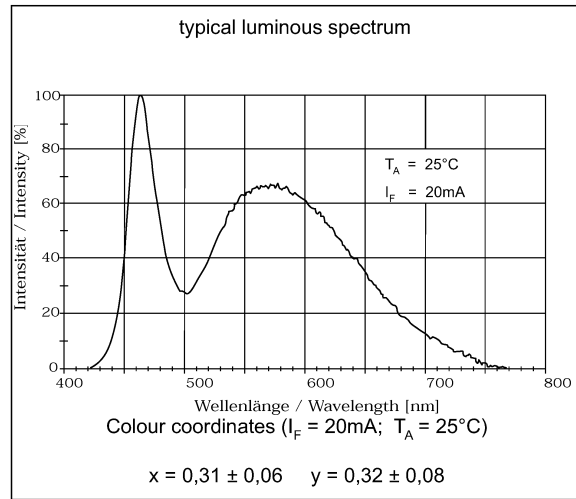
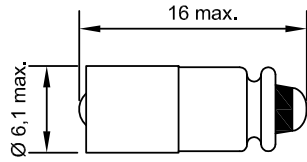
## Products

### Based LEDs

CML IT Based LEDs are an effective alternative for based incandescent lamps. Based LEDs have a number of advantages when compared to miniature lamps. Features include a long life expectancy of up to 100,000 hours with low power consumption. Based LEDs are shock and vibration proof and come in a wide variety of colors, styles and voltages.



**Part Number:** 1512125UR3  
**Serial Number:** 15121  
**Based LED type:** StarLED  
**Size (inch):** T-1 3/4  
**Size (mm):** T6  
**Housing Size:** 6.1x16mm  
**Base:** MG  
**Chip number:** 1  
**Chip color:** red  
**Wavelength (nm):** 630  
**Op. voltage (V):** 12  
**Rectifier:** Half Wave  
**AC current:** 7  
**DC current:** 14  
**Type I<sub>v</sub> DC current:** 330  
**Voltage tolerance (%):** 10%  
**Op. temperature (°C):** -20 °C - +60 °C  
**Storage temperature (°C):** -25 °C - +80 °C  
**RoHS Status:** Yes



Lampensockel nach DIN EN 60061-1: S5,7s / Lamp base in accordance to DIN EN 60061-1: S5,7s

Elektrische und optische Daten sind bei einer Umgebungstemperatur von 25°C gemessen.  
Electrical and optical data are measured at an ambient temperature of 25°C.

| Bestell-Nr.<br>Part No. | Farbe<br>Colour | Spannung<br>Voltage | Strom<br>Current | Lichtstärke<br>Lumi. Intensity | Dom. Wellenlänge<br>Dom. Wavelength |
|-------------------------|-----------------|---------------------|------------------|--------------------------------|-------------------------------------|
| 1512125UR3              | Red             | 12V AC/DC           | 7mA / 14mA       | 330mcd                         | 630nm                               |
| 1512125UG3              | Green           | 12V AC/DC           | 7mA / 14mA       | 2100mcd                        | 525nm                               |
| 1512125UY3              | Yellow          | 12V AC/DC           | 7mA / 14mA       | 280mcd                         | 587nm                               |
| 1512125B3               | Blue            | 12V AC/DC           | 7mA / 14mA       | 650mcd                         | 470nm                               |
| 1512125W3               | White Clear     | 12V AC/DC           | 7mA / 14mA       | 1400mcd                        | $x = 0,31 / y = 0,32$               |
| 1512125W3D              | White Diffuse   | 12V AC/DC           | 7mA / 14mA       | 700mcd                         | $x = 0,31 / y = 0,32$               |

Lichtstärkedaten der verwendeten Leuchtdioden bei DC / Luminous intensity data of the used LEDs at DC

Lagertemperatur / Storage temperature -25°C - +80°C  
Umgebungstemperatur / Ambient temperature -20°C - +60°C  
Spannungstoleranz / Voltage tolerance +10%

Die aufgeführten Typen sind alle mit einer Schutzdiode in Reihe zum Widerstand und der LED gefertigt. Dies erlaubt auch den Einsatz der Typen an entsprechender Wechselspannung.  
The specified versions are built with a protection diode in series with the resistor and the LED. Therefore it is also possible to run them at an equivalent alternating voltage.

**Allgemeiner Hinweis:** Bedingt durch die Fertigungstoleranzen der Leuchtdioden kann es zu geringfügigen Schwankungen der Farbe (Farbtemperatur) kommen. Es kann deshalb nicht ausgeschlossen werden, daß die Farben der Leuchtdioden eines Fertigungsloses unterschiedlich wahrgenommen werden.

**General:** Due to production tolerances, colour temperature variations may be detected within individual consignments.



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**StarLEDs**  
**T1 3/4 (6mm) MG with half wave rectifier**

|           |       |       |                     |                              |                   |                       |
|-----------|-------|-------|---------------------|------------------------------|-------------------|-----------------------|
|           |       |       |                     | Drawn: <b>J.J.</b>           | Ch'd: <b>D.L.</b> | Date: <b>02.11.04</b> |
| Revision: | Date: | Name: | Scale: <b>2 : 1</b> | Datasheet: <b>1512125xxx</b> |                   |                       |