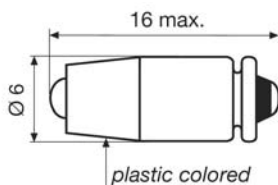




# **T1¼ Midget Grooved LED AC/DC with Half Wave Rectifier**



All dimensions are in mm



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

Electrical and optical data are measured at an ambient temperature of  $T_A = 25^\circ\text{C}$

Storage temperature  $T_{STG} : -25^\circ\text{C} - +80^\circ\text{C}$   
Ambient temperature  $T_A : -20^\circ\text{C} - +60^\circ\text{C}$   
Voltage tolerance  $V_{OP} : \pm 10\%$

| Part No.      | Color          | Voltage<br>$V_{OP}$ [V]<br>AC/DC | Current<br>$I_{OP \text{ typ.}}$ [mA]<br>AC/DC | Lumi. Intensity<br>$**I_{V \text{ typ.}}$ [mcd] | Dominant<br>Wavelength<br>$\lambda_D$ [nm] |
|---------------|----------------|----------------------------------|------------------------------------------------|-------------------------------------------------|--------------------------------------------|
| WL-1512125UR3 | red            | 12                               | 7/14                                           | 350                                             | 630                                        |
| WL-1512125UG3 | green          | 12                               | 7/14                                           | 2200                                            | 525                                        |
| WL-1512125UY3 | yellow         | 12                               | 7/14                                           | 300                                             | 587                                        |
| WL-1512125B3  | blue           | 12                               | 7/14                                           | 680                                             | 470                                        |
| WL-1512125W3  | white clear    | 12                               | 7/14                                           | 1430                                            | *                                          |
| WL-1512125W3D | white diffused | 12                               | 7/14                                           | 720                                             | *                                          |
| WL-1512135UR3 | red            | 24                               | 7/14                                           | 350                                             | 630                                        |
| WL-1512135UG3 | green          | 24                               | 7/14                                           | 2200                                            | 525                                        |
| WL-1512135UY3 | yellow         | 24                               | 7/14                                           | 300                                             | 587                                        |
| WL-1512135B3  | blue           | 24                               | 7/14                                           | 680                                             | 470                                        |
| WL-1512135W3  | white clear    | 24                               | 7/14                                           | 1430                                            | *                                          |
| WL-1512135W3D | white diffused | 24                               | 7/14                                           | 720                                             | *                                          |
| WL-1512145UR3 | red            | 28                               | 7/14                                           | 350                                             | 630                                        |
| WL-1512145UG3 | green          | 28                               | 7/14                                           | 2200                                            | 525                                        |
| WL-1512145UY3 | yellow         | 28                               | 7/14                                           | 300                                             | 587                                        |
| WL-1512145B3  | blue           | 28                               | 7/14                                           | 680                                             | 470                                        |
| WL-1512145W3  | white clear    | 28                               | 7/14                                           | 1430                                            | *                                          |
| WL-1512145W3D | White diffused | 28                               | 7/14                                           | 7230                                            | *                                          |

\* Chromaticity coordinates  $X = 0.31$   $Y = 0.32$

\*\* Luminous intensity data of the used LED's at:  $I_{OP \text{ typ}}$  DC

- These Wamco LED's are built with a protection diode in series with the resistor and the LED. They can be used on DC voltage and AC voltage. The typical light reduction on AC voltage against DC voltage operation is around 25%.
- Due to production tolerances, color temperature variations may be detected within individual consignments.

|          |    |          |                                                                  |                                    |             |
|----------|----|----------|------------------------------------------------------------------|------------------------------------|-------------|
| Drawn    | ND | 07/02/08 | <b>T1¼ Midget Grooved LED<br/>AC/DC with Half Wave Rectifier</b> | <b>Datasheet:</b><br>WL-1512XX5XXX | <b>Rev:</b> |
| Checked  | EB | 07/02/08 |                                                                  |                                    |             |
| Approved | EB | 07/03/08 |                                                                  |                                    |             |