

LED 19MM T5 WEDGE Lamp Specifications

**30%
Brighter!**

Designed with Samsung LED chips, Illumicare Group Limited's LED 19MM T5 WEDGE lamps fit into hundreds of existing outdoor niche, deck, path and area lighting fixtures, which enables landscape lighting designers and installers to achieve immediate efficiencies in terms of reduced electrical consumption and maintenance without complicated lighting system upgrades or adjustments.

The LED 19MM T5 WEDGE lamp replaces a typical halogen 912, 918 and 921 bulb, operates below 40°C (104°F), and produces 200 or more lumens in a 3000 Kelvin (halogen equivalent) color temperature.

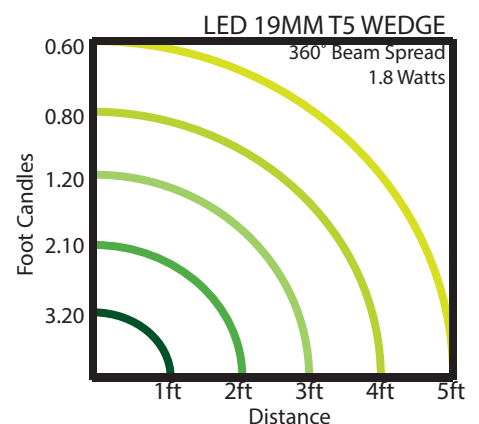
LED 19MM T5 WEDGE

912, 918 & 921 Replacement
3000K
200 Lumens
1.8 Watts
19 mm x 39 mm

**50%
More
Efficient!**



- Solid aluminum heat sink – to dissipate heat allowing for longer lamp life, and for use in enclosed fixtures.
- Up to 35,000hr lamp life (IES LM-80 lumen maintenance test)
- Very high efficiency 94+ lumens per watt
- 3000K color temperature matched to our MR16 LED lamp

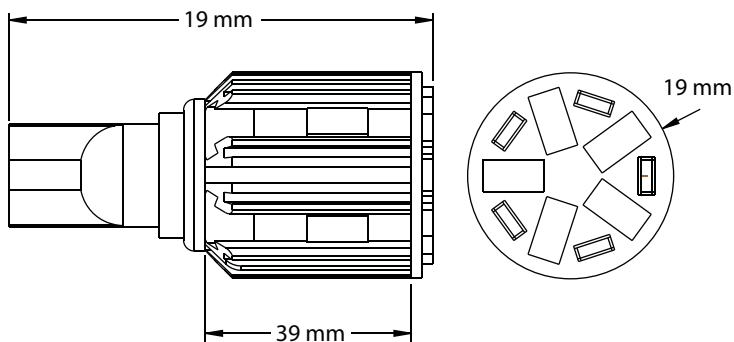
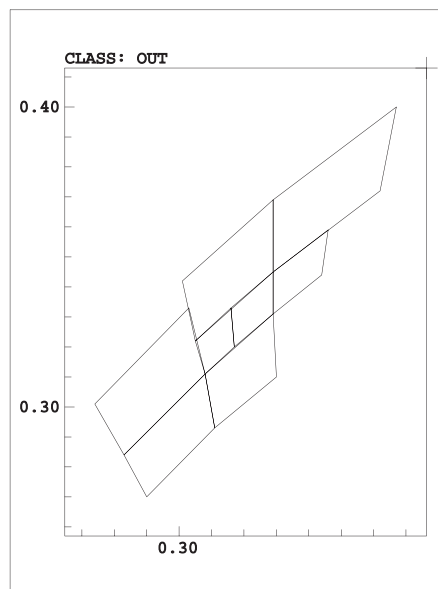
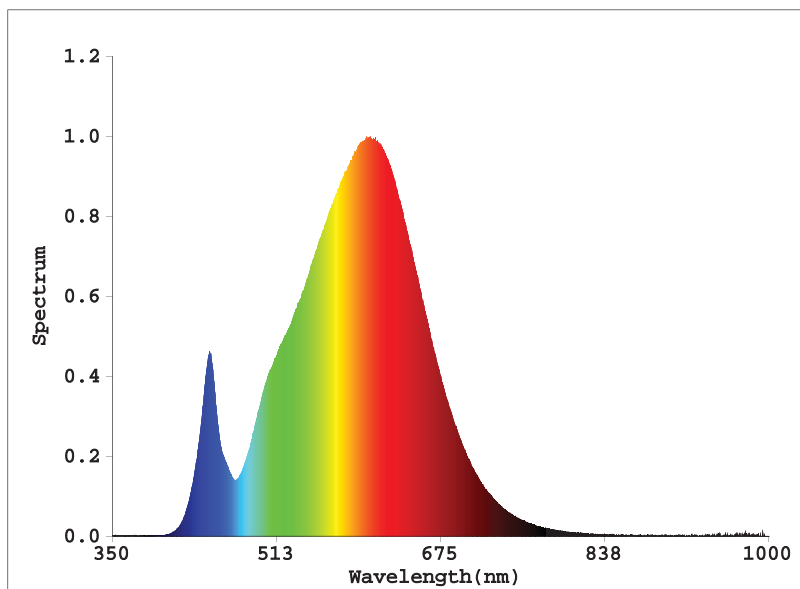


*Not for use with electronic low-voltage transformers.
This product may cause interference with other devices.
If interference occurs, change the location of the products involved.*

- Over Current Protection
- Reversed Polarity Protection
- Full Solid State Components

Performance Data

| Input Voltage | Output Power | Operating Temperature | Operating Environment | L70 |
|---------------------|---------------|-------------------------|-------------------------|--------------|
| 9 - 15V AC/DC | 1.8W | 35 - 40°C (95 - 104°F) | -20 to 40°C (-4 - 95°F) | 35,000 Hours |
| Base | Luminous Flux | Color Temperature (CCT) | Illumination | CRI |
| T5 - 912, 918 & 921 | 200lm | 3000K (Halogen) | Omnidirectional | 80 - 85% |



19MM T5 Wedge 3000K CIE Color Specification:

- > Chromaticity coordinates: $x=0.4407$ $y=0.4184$ / $u=0.5275$ $v=5.099$
- > Correlated color temperature: $T_c = 3051K$
- > Dominant Wavelength: $\lambda_d = 581.0nm$, Purity: 57.90%
- > Peak Wavelength: $\lambda_p = 605.5nm$, Semibreadth: $\Delta\lambda_p = 143.6nm$
- > Colorimetric: $R=23.8\%$ $G=74.2\%$ $B=2.0\%$
- > Color Rendering Index: $R_a=82.5$
- > $R1 = 80$ $R2 = 87$ $R3 = 95$ $R4 = 82$ $R5 = 79$ $R6 = 84$ $R7 = 87$ $R8 = 64$
- > $R9 = 14$ $R10 = 72$ $R11 = 80$ $R12 = 67$ $R13 = 81$ $R14 = 97$ $R15 = 73$
- > Luminous Flux: 201.3 lm
- > Light Efficiency: 94.08 lm/W

Why Illumicare?

Illumicare Group Limited is a privately held LED research and development firm. For over 15 years, Illumicare's lighting professionals have specialized in developing and supplying high-efficiency lighting for commercial and outdoor use.

As a manufacturer of innovative LED products, our focus is eliminating the barriers involved in engineering superior LED lighting technologies and adapting to environmental demands to produce an innovative, energy-efficient lamp for both new and retrofit lighting installations.

Typical Applications

- > Landscape Lighting
- > Architectural Lighting
- > General Interior Lighting
- > Commercial Applications