

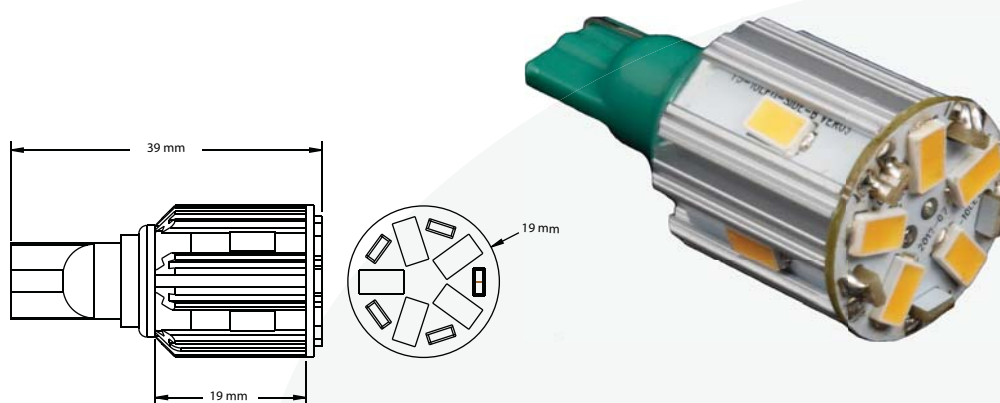
Omnidirectional Miniature Lamp Specifications 2700K

With true 360° light output, Illumicare Group Limited's miniature LED lamps fit into thousands of existing landscape path and area lighting fixtures, which enables landscape contractors and designers to achieve immediate efficiencies in terms of reduced electrical consumption and maintenance without complicated lighting system upgrades or adjustments.

Illumicare's innovative new fully-stepped LED IC driver is a first for the landscape lighting industry. Our unique thermal control also ensures the lamp is safe to the touch and has a life expectancy of over 10 times that of most halogen equivalents.

When you combine the IC driver and the unique heat sink, this lamp is capable of operating at temperatures well below the heat specifications of most leading LED chips, even when sealed inside weatherproof fixtures.

**Up to
35,000
Hours**

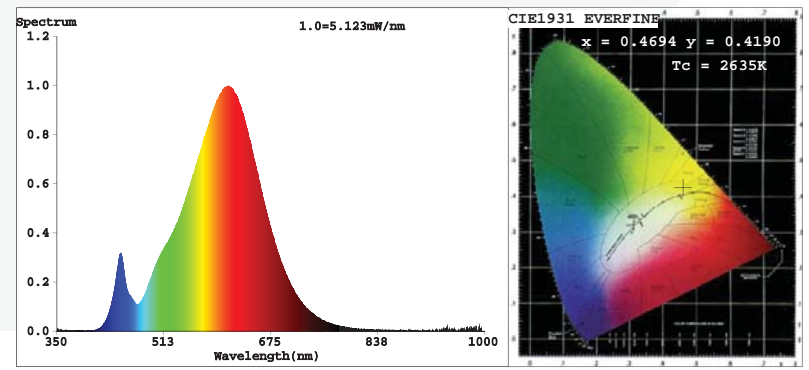


LED T5 Wedge 2700K

- 912, 918 & 921 Replacement 2700K
- 230 Lumens
- 1.8 Watts
- 19mm x 39mm

T5 Wedge 2700K CIE Color Specification:

- > Chromaticity coordinates: $x=0.4694$ $y=0.4190$ / $u=0.2649$ $v=0.5319$
- > Correlated color temperature: $T_c = 2635K$
- > Dominant Wavelength: $\lambda_d = 583.8nm$, Purity: 66.7%
- > Peak Wavelength: $\lambda_p = 611.0nm$, Semibreadth: $\Delta\lambda_p = 126.6nm$
- > Red Ratio: $R=27.2\%$
- > Color Rendering Index: $R_a=82.1$
- > $R_1 = 79$ $R_2 = 89$ $R_3 = 98$ $R_4 = 80$ $R_5 = 79$ $R_6 = 86$ $R_7 = 84$ $R_8 = 61$
- > $R_9 = 13$ $R_{10} = 75$ $R_{11} = 78$ $R_{12} = 71$ $R_{13} = 81$ $R_{14} = 99$ $R_{15} = 73$
- > Luminous Flux: 237.7 lm
- > Light Efficiency: 92.43 lm/W



- Solid aluminum heat sink – to dissipate heat from the LED chips, for use in enclosed fixtures.
- Omnidirectional light – True 360° light output, for use in path/area fixtures
- Up to 35,000hr lamp life (IES LM-80 lumen maintenance test)
- 2700K color temperature perfectly matched to our MR16 LED lamp

Base & Lamp Types

- T5 Wedge - 912, 918 & 921
- S8 Wedge - 3155 & 3156
- G5.3 Bi-Pin - Q20 & Q35
- G4 Bi-Pin - Q10, Q15 & Q20
- SCB - 93, 1141 & 1156

Illumicare offers a 4-year warranty on all miniature lamps.

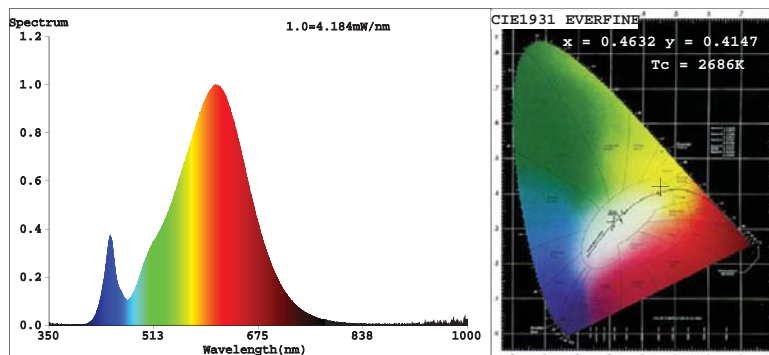
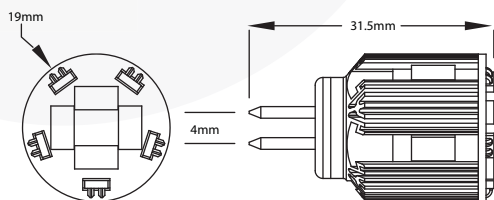
- Over Current Protection
- Reversed Polarity Protection
- Full Solid State Components

Performance Data

Input Voltage	Output Power	Operating Temperature	Operating Environment	L70
9 - 15V AC/DC	1.6 - 3W	35 - 40°C (95 - 104°F)	-20 to 40°C (-4 - 95°F)	35,000 Hours
Base	Luminous Flux	Color Temperature (CCT)	Illumination	CRI
G5.3, G4, SCB, T5, S8	140lm - 220lm	2700K (Incandescent)	Omnidirectional	80 - 85%

LED G4 BIPIN 2700K

Q10, Q15 & Q20 Replacement
2700K
190 Lumens
1.8 Watts
19mm x 31.5mm

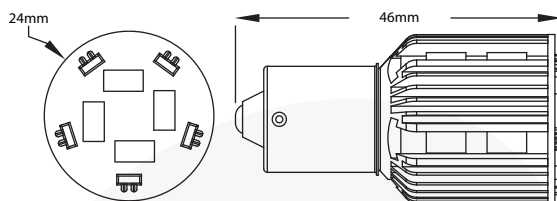
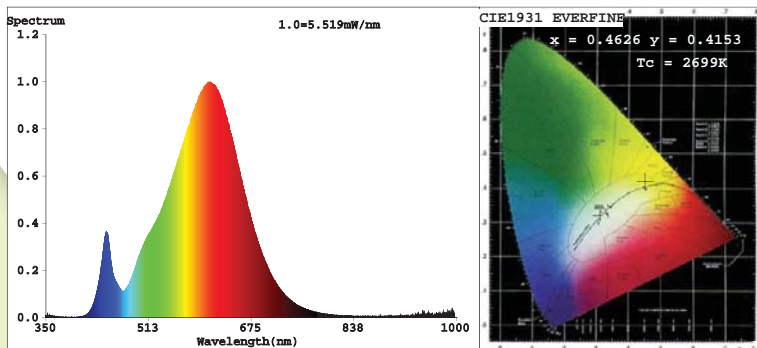


G4 BIPIN 2700K CIE Color Specification:

- > Chromaticity coordinates: $x=0.4632$ $y=0.4147$ / $u=0.2628$ $v=0.5294$
- > Correlated color temperature: $T_c = 2686K$
- > Dominant Wavelength: $\lambda_d = 583.9nm$, Purity: 63.5%
- > Peak Wavelength: $\lambda_p = 610.3nm$, Semibreadth: $\Delta\lambda_p = 128.8nm$
- > Red Ratio: $R=26.8\%$
- > Color Rendering Index: $R_a=82.5$
- > $R1 = 80$ $R2 = 89$ $R3 = 97$ $R4 = 80$ $R5 = 79$ $R6 = 86$ $R7 = 85$ $R8 = 62$
- > $R9 = 15$ $R10 = 75$ $R11 = 78$ $R12 = 72$ $R13 = 81$ $R14 = 98$ $R15 = 74$
- > Luminous Flux: 197.3 lm
- > Light Efficiency: 96.6 lm/W

SCB 2700K CIE Color Specification:

- > Chromaticity coordinates: $x=0.4626$ $y=0.4153$ / $u=0.2621$ $v=0.5296$
- > Correlated color temperature: $T_c = 2699K$
- > Dominant Wavelength: $\lambda_d = 583.7nm$, Purity: 63.5%
- > Peak Wavelength: $\lambda_p = 607.5nm$, Semibreadth: $\Delta\lambda_p = 129.8nm$
- > Red Ratio: $R=26.7\%$
- > Color Rendering Index: $R_a=82.5$
- > $R1 = 80$ $R2 = 89$ $R3 = 97$ $R4 = 80$ $R5 = 80$ $R6 = 86$ $R7 = 85$ $R8 = 62$
- > $R9 = 15$ $R10 = 76$ $R11 = 79$ $R12 = 72$ $R13 = 82$ $R14 = 98$ $R15 = 74$
- > Luminous Flux: 260.9 lm
- > Light Efficiency: 86.94 lm/W



LED SCB 2700K

93, 1141 & 1156 Replacement
2700K
260 Lumens
3 Watts
24mm x 46.2mm



Typical Applications

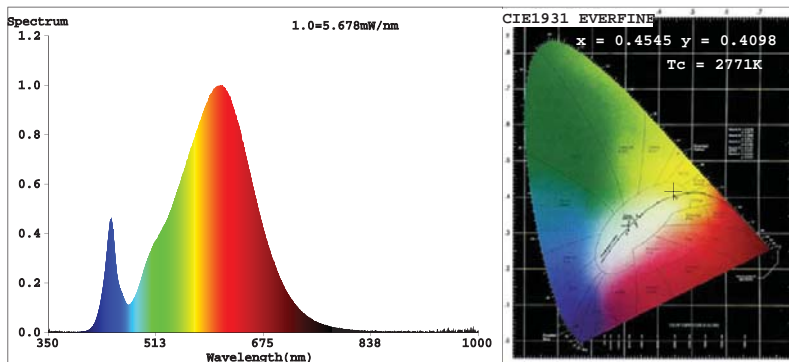
- > Landscape Lighting
- > Architectural Lighting
- > General Interior Lighting
- > Commercial Applications

Omnidirectional Miniature LED Lamp Specifications 2700K



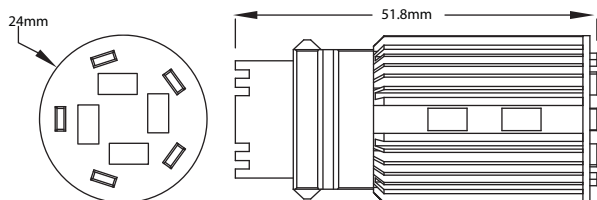
LED S8 Wedge 2700K

3155 & 3156 Replacement
2700K
260 Lumens
3 Watts
24mm x 58.1mm



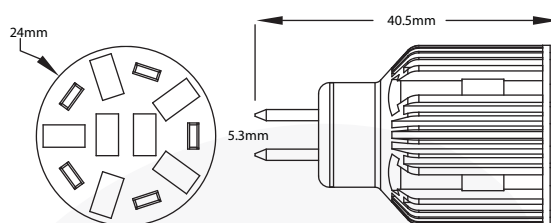
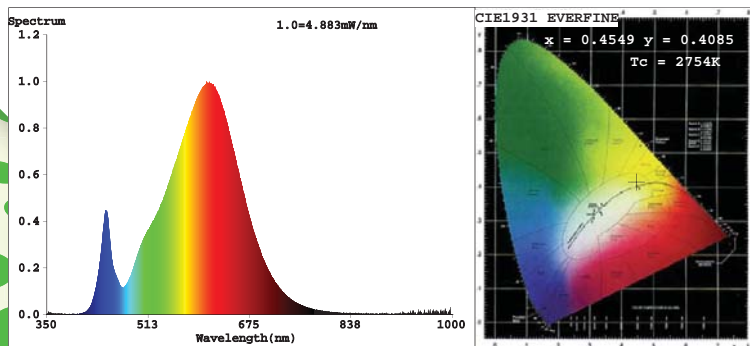
S8 WEDGE 2700K CIE Color Specification:

- > Chromaticity coordinates: $x=0.4545$ $y=0.4098$ / $u=0.2594$ $v=0.5263$
- > Correlated color temperature: $T_c = 2771K$
- > Dominant Wavelength: $\lambda_d = 583.8nm$, Purity: 59.4%
- > Peak Wavelength: $\lambda_p = 612.6nm$, Semibreadth: $\Delta\lambda_p = 131.3nm$
- > Red Ratio: $R=26.2\%$
- > Color Rendering Index: $Ra=82.6$
- > $R1 = 81$ $R2 = 89$ $R3 = 96$ $R4 = 81$ $R5 = 80$ $R6 = 86$ $R7 = 85$ $R8 = 63$
- > $R9 = 16$ $R10 = 75$ $R11 = 79$ $R12 = 72$ $R13 = 82$ $R14 = 98$ $R15 = 75$
- > Luminous Flux: 274.1 lm
- > Light Efficiency: 94.50 lm/W



G5.3 BIPIN 2700K CIE Color Specification:

- > Chromaticity coordinates: $x=0.4549$ $y=0.4085$ / $u=0.2602$ $v=0.5258$
- > Correlated color temperature: $T_c = 2754K$
- > Dominant Wavelength: $\lambda_d = 584.0nm$, Purity: 59.2%
- > Peak Wavelength: $\lambda_p = 606.1nm$, Semibreadth: $\Delta\lambda_p = 130.3nm$
- > Red Ratio: $R=26.4\%$
- > Color Rendering Index: $Ra=82.8$
- > $R1 = 81$ $R2 = 90$ $R3 = 97$ $R4 = 81$ $R5 = 81$ $R6 = 87$ $R7 = 85$ $R8 = 63$
- > $R9 = 17$ $R10 = 76$ $R11 = 79$ $R12 = 73$ $R13 = 82$ $R14 = 98$ $R15 = 75$
- > Luminous Flux: 232.7 lm
- > Light Efficiency: 91.09 lm/W



LED G5.3 BiPin 2700K

Q20 & Q35 Replacement
2700K
230 Lumens
2.5 Watts
24mm x 40.5mm



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

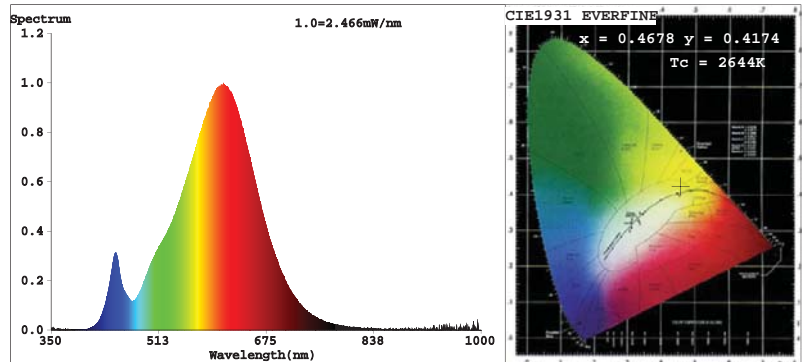
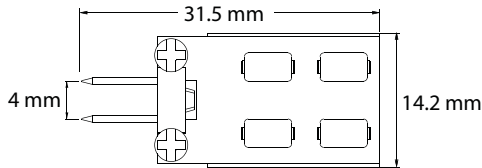
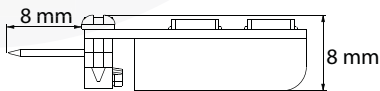
Unidirectional Miniature LED Lamp Specifications 2700K

Pin Base Rotates Up to 45°



LED G4 BP SIDE 2700K

Q10, Q15 & Q20 Replacement
2700K
115 Lumens
2.0 Watts
24mm x 31.5mm

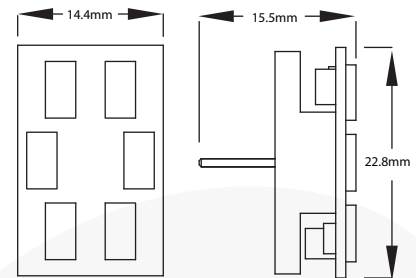
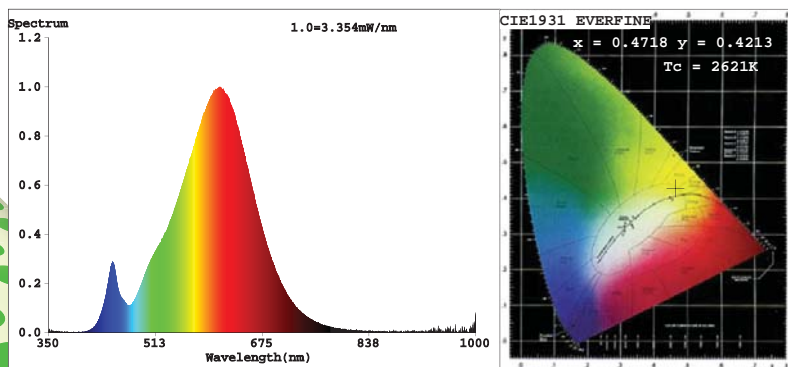


G4 Bipin SIDE 2700K CIE Color Specification:

- > Chromaticity coordinates: $x=0.4678$ $y=0.4174$ / $u=0.2646$ $v=0.5311$
- > Correlated color temperature: $T_c = 2644K$
- > Dominant Wavelength: $\lambda_d = 583.9nm$, Purity: 65.7%
- > Peak Wavelength: $\lambda_p = 611.0nm$, Semibreadth: $\Delta\lambda_p = 126.8nm$
- > Red Ratio: $R=27.1\%$ $G=73.5\%$ $B=02.2\%$
- > Color Rendering Index: $R_a=81.9$
- > $R1 = 79$ $R2 = 89$ $R3 = 98$ $R4 = 79$ $R5 = 79$ $R6 = 86$ $R7 = 84$ $R8 = 60$
- > $R9 = 13$ $R10 = 75$ $R11 = 77$ $R12 = 71$ $R13 = 81$ $R14 = 99$ $R15 = 73$
- > Luminous Flux: 114.5 lm
- > Light Efficiency: 69.27 lm/W

G4 Bipin REAR 2700K CIE Color Specification:

- > Chromaticity coordinates: $x=0.4718$ $y=0.4213$ / $u=0.2654$ $v=0.5332$
- > Correlated color temperature: $T_c = 2621K$
- > Dominant Wavelength: $\lambda_d = 583.7nm$, Purity: 68.1%
- > Peak Wavelength: $\lambda_p = 611.0nm$, Semibreadth: $\Delta\lambda_p = 126.8nm$
- > Red Ratio: $R=27.2\%$
- > Color Rendering Index: $R_a=81.7$
- > $R1 = 79$ $R2 = 89$ $R3 = 98$ $R4 = 79$ $R5 = 78$ $R6 = 86$ $R7 = 85$ $R8 = 60$
- > $R9 = 12$ $R10 = 75$ $R11 = 77$ $R12 = 70$ $R13 = 81$ $R14 = 99$ $R15 = 72$
- > Luminous Flux: 155.4 lm
- > Light Efficiency: 89.81 lm/W



LED G4 BP REAR 2700K

Q10, Q15 & Q20 Replacement
2700K
155 Lumens
1.44 Watts
13.5mm x 23.5mm

