



LED Miniature 12VAC/VDC 2-Pin T5 Bulbs / G4 Base

LEDG4BP-2W-XxW-012V

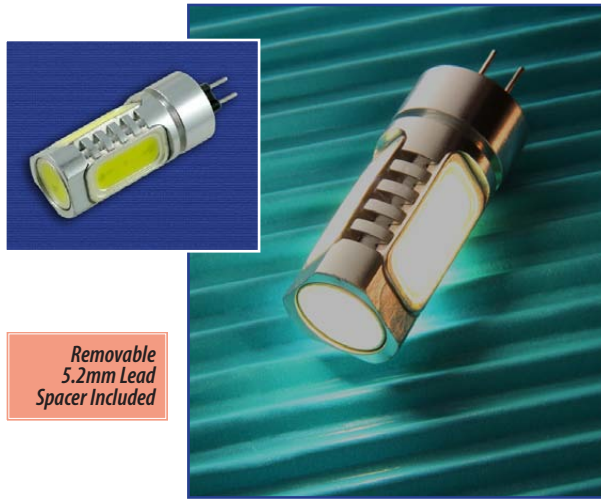


3000K Warm or 5500K Pure White – Omnidirectional Beam Pattern – Dual-Pin G4-Base Bulb

Consumes Less than 2 Watts – Replaces Xenon and Halogen Glass Bulbs of up to 15 Watts

FEATURES

- **Lamp Warranty:** 2 Years
- Works with High-Frequency Power Supplies for 12VDC or 12VAC
- **Consumes Little Power:** 1.4 Watts or Less
- **Beam Pattern:** Omnidirectional Spotlight, No Shadow
- **Long Bulb Life:** White LED Lasts up to 50,000 Continuous Hours
- **Sturdy:** Resistant to High Shock and High Vibration
- Aluminum Housing Helps Dissipate Heat
- Bipolar Wiring
- **Wide Operating Temp. Range:** ~-22°F to ~+122°F
- **Eco-Friendly:** RoHS Listed



Removable 5.2mm Lead Spacer Included

APPLICATIONS

- Replaces 12V G4 Lamps: ·Xenon 1205X (5W) ·Halogen 774 (8W) ·Halogen 891 (8W,12.8V) ·Halogen 773 (8W)
- Pendant Lamps
- Under-Cabinet Lighting
- Landscape Lighting
- Electric Signs
- Scoreboards
- Step Lights
- Puck Downlights
- RVs, Boats
- Car Bulbs
- Ceiling Fans

BENEFITS

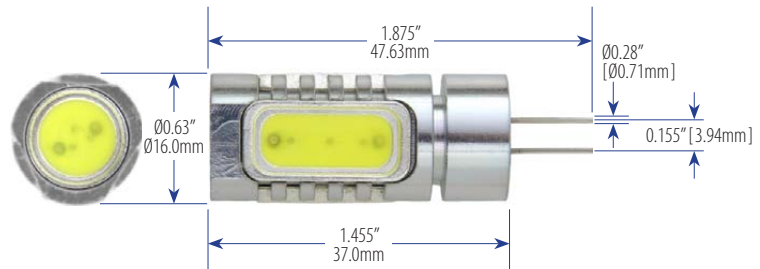
- **Major Energy Savings:** Up to 90% Compared to Incandescents/Halogens
- **Low Maintenance:** Lowers Costs by Reducing Re-lamp Frequency
- **Solid-State:** No Power Surge Content, No Lead
- **Cool Operation:** Doesn't Get Hot to the Touch
- **Even Lighting:** High Intensity / No Halation
- **Environment-Friendly:** No Mercury
- **No Hazardous Emissions:** No UV or IR Radiation – No RF Interference
- **Instant Light:** No Flicker or Delayed Startup Time

SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

PART NUMBER	LEDG4BP-2W-XxW-012V
Beam Pattern	Omnidirectional
Ambient Operating Temp.	~-22°F to ~+122°F (~-30°C to ~+50°C)
Base	G4 BiPin
Bulb Shape	T5 Tubular / Dia 16mm
Housing Color	Silver
Dimensions	1.875" x 0.630" [47.6mm x 016.0mm]
Weight	0.0375 lb / 0.6 oz / 17 g

White LED technology is patent protected in the United States. LEDtronics white LED products are covered under these patents.



PART NUMBER	INPUT VOLTAGE	INPUT CURRENT	ENERGY USED	TOTAL LUMENS	EFFICACY	MAXIMUM CANDELA	CRI	COLOR TEMP.	EMITTED COLOR	BEAM PATTERN
WARM WHITE										
LEDG4BP-2W-XIW-012V	12VDC	0.115A	1.4 Watts	59 lm	42 lm/W	7.7 cd	80	2700K~3200K	Warm White	Omnidirectional
	12VAC	0.089A	0.8 Watts	38 lm	48 lm/W	4.9 cd	80	2700K~3200K	Warm White	Omnidirectional
PURE WHITE										
LEDG4BP-2W-XPW-012V	12VDC	0.115A	1.4 Watts	91 lm	65 lm/W	11.4 cd	75	5000K~6000K	Pure White	Omnidirectional
	12VAC	0.088A	0.8 Watts	57 lm	71 lm/W	7.1 cd	75	5000K~6000K	Pure White	Omnidirectional



LEDG4BP-2W-XPW-012V

Luminaire Photometric Report

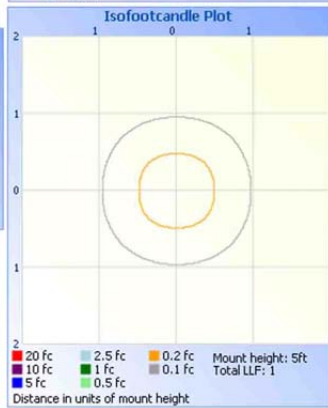
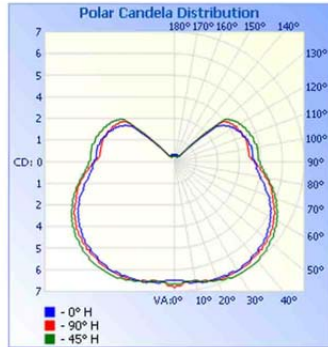
Filename: LEDG4BP-2W-XPW-012V @12VAC

Manufacturer: LEDTRONICS
Luminaire: PURE WHITE, 12VAC, 8W
Luminaire Cat: LEDG4BP-2W-XPW-012V
Lamp: LUMEN RATING: 56.8Lms.
Lamp Output: 1 lamp(s), rated lamp lumens: 56.8
Max Candela: 7.1 at Horizontal: 45, Vertical: 26
Luminous Opening: Point
Test: 4-13-12

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	5.8	10.2%	10.2%
0-40	10.1	17.9%	17.9%
0-60	21.3	37.5%	37.5%
60-90	16.9	29.8%	29.9%
0-90	38.2	67.3%	67.4%
90-180	18.5	32.6%	32.6%
0-180	56.8	99.9%	100%

Total Efficiency: 99.9%



Illuminance at a Distance

Center Beam FC	Beam Width
0.8ft: 9.36 fc	1.0ft
1.7ft: 2.34 fc	2.0ft
2.5ft: 1.04 fc	2.9ft
3.3ft: 0.59 fc	3.9ft
4.2ft: 0.37 fc	4.9ft
5.0ft: 0.26 fc	5.9ft

Beam Spread: 61.0°

12VAC

LEDG4BP-2W-XIW-012V

Luminaire Photometric Report

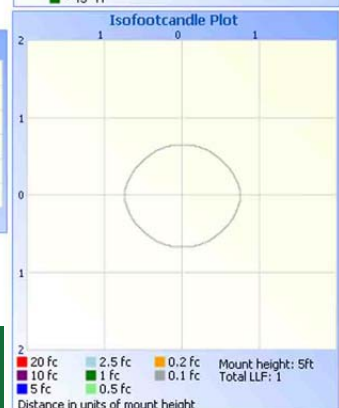
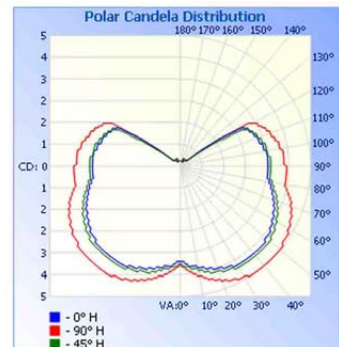
Filename: LEDG4BP-2W-XIW-012V @12VAC

Manufacturer: LEDTRONICS
Luminaire: WARM WHITE, 12VAC, 8W
Luminaire Cat: LEDG4BP-2W-XIW-012V
Lamp: LUMEN RATING: 38.1Lms.
Lamp Output: 1 lamp(s), rated lamp lumens: 38.1
Max Candela: 4.9 at Horizontal: 90, Vertical: 32
Luminous Opening: Point
Test: 4-13-12

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	3.6	9.4%	9.4%
0-40	6.4	16.8%	16.8%
0-60	13.8	36.3%	36.2%
60-90	12.0	31.4%	31.4%
0-90	25.8	67.7%	67.6%
90-180	12.3	32.4%	32.4%
0-180	38.1	100%	100%

Total Efficiency: 100%



Illuminance at a Distance

Center Beam FC	Beam Width
0.8ft: 5.18 fc	1.7ft
1.7ft: 1.30 fc	3.3ft
2.5ft: 0.58 fc	5.0ft
3.3ft: 0.32 fc	6.7ft
4.2ft: 0.21 fc	8.3ft
5.0ft: 0.14 fc	10.0ft

Beam Spread: 90.0°

12VAC

Luminaire Photometric Report

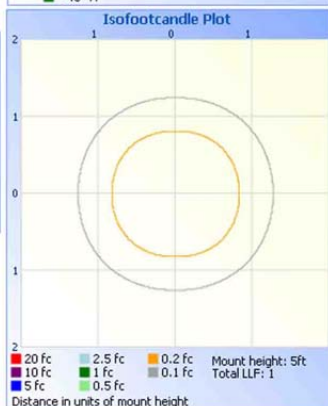
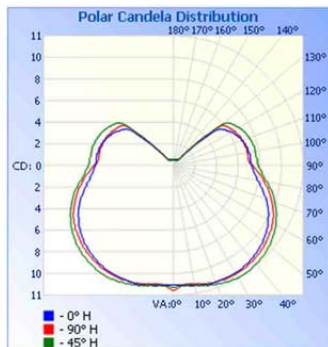
Filename: LEDG4BP-2W-XPW-012V @12VDC

Manufacturer: LEDTRONICS
Luminaire: PURE WHITE, 12VDC, 1.4W
Luminaire Cat: LEDG4BP-2W-XPW-012V
Lamp: LUMEN RATING: 90.7Lms.
Lamp Output: 1 lamp(s), rated lamp lumens: 90.7
Max Candela: 11.4 at Horizontal: 45, Vertical: 29
Luminous Opening: Point
Test: 4-13-12

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	9.2	10.2%	10.2%
0-40	16.2	17.9%	17.9%
0-60	34.0	37.5%	37.5%
60-90	27.1	29.9%	29.9%
0-90	61.1	67.4%	67.4%
90-180	29.6	32.7%	32.6%
0-180	90.7	100%	100%

Total Efficiency: 100%



Illuminance at a Distance

Center Beam FC	Beam Width
0.8ft: 15.12 fc	1.1ft
1.7ft: 3.78 fc	2.1ft
2.5ft: 1.68 fc	3.2ft
3.3ft: 0.95 fc	4.2ft
4.2ft: 0.60 fc	5.3ft
5.0ft: 0.42 fc	6.3ft

Beam Spread: 64.5°

12VDC

Luminaire Photometric Report

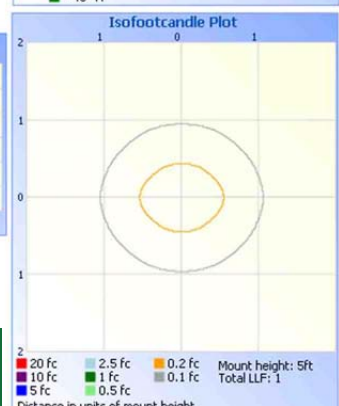
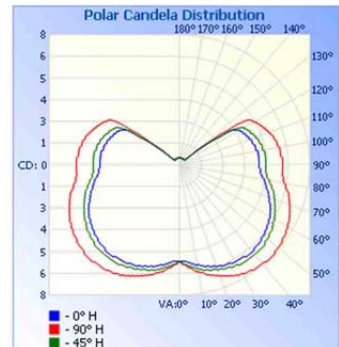
Filename: LEDG4BP-2W-XIW-012V @12VDC

Manufacturer: LEDTRONICS
Luminaire: WARM WHITE, 12VDC, 1.4W
Luminaire Cat: LEDG4BP-2W-XIW-012V
Lamp: LUMEN RATING: 59.2Lms.
Lamp Output: 1 lamp(s), rated lamp lumens: 59.2
Max Candela: 7.7 at Horizontal: 90, Vertical: 42
Luminous Opening: Point
Test: 4-13-12

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	5.6	9.4%	9.4%
0-40	9.9	16.8%	16.8%
0-60	21.4	36.2%	36.2%
60-90	18.3	30.9%	30.9%
0-90	39.8	67.2%	67.1%
90-180	19.5	32.9%	32.9%
0-180	59.2	100.1%	100%

Total Efficiency: 100.1%



Illuminance at a Distance

Center Beam FC	Beam Width
0.8ft: 8.21 fc	1.7ft
1.7ft: 2.05 fc	3.3ft
2.5ft: 0.91 fc	5.0ft
3.3ft: 0.51 fc	6.7ft
4.2ft: 0.33 fc	8.3ft
5.0ft: 0.23 fc	10.0ft

Beam Spread: 90.0°

12VDC