



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

LEDG4BP-2W-XxW-012V

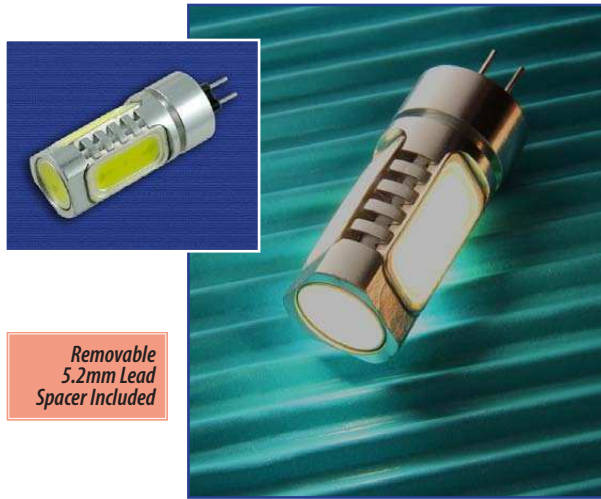


**3000K Warm or 5500K Pure White – Omnidirectional Beam Pattern – Dual-Pin G4-Base Bulb**

**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

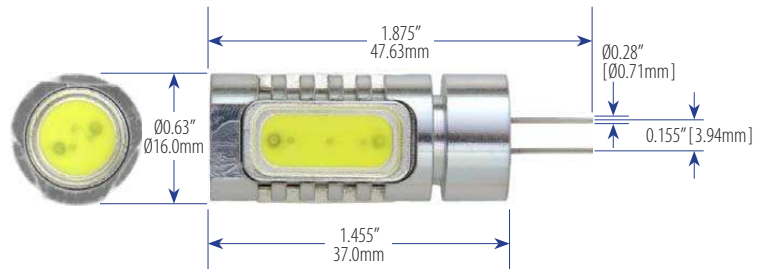
- **Major Energy Savings:** Up to 90% Compared to Incandescents/Halogens
- **Low Maintenance:** Lowers Costs by Reducing Re-lamp Frequency
- **Solid-State:** No Power Surge Content, No Lead
- **Cool Operation:** Doesn't Get Hot to the Touch
- **Even Lighting:** High Intensity / No Halation
- **Environment-Friendly:** 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

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

White LED technology is patent protected in the United States. LEDtronic's 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
<b>WARM WHITE</b>										
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
<b>PURE WHITE</b>										
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

www.LEDtronics.com

LOG # 403 / Rev 4-2012

Check LEDTRONICS.COM for latest data. Printed material may be outdated.

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Creating the Future of Light Since 1983™

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**LEDG4BP-2W-XPW-012V**

**Luminaire Photometric Report**

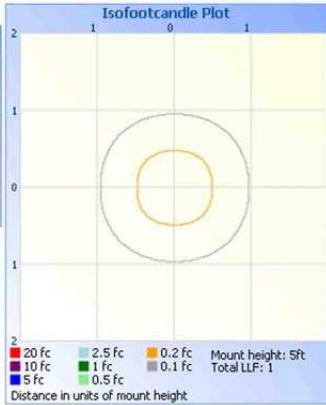
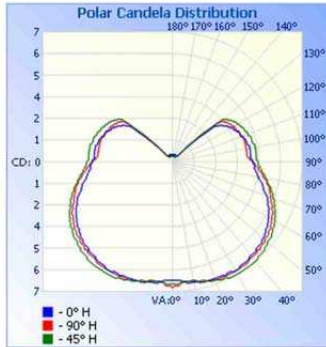
Filename: LEDG4BP-2W-XPW-012V @12VAC

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
0.8R	9.36 fc 1.0ft
1.7R	2.34 fc 2.0ft
2.5R	1.04 fc 2.9ft
3.3R	0.59 fc 3.9ft
4.2R	0.37 fc 4.9ft
5.0R	0.26 fc 5.9ft

Beam Spread: 61.0°

**12VAC**

**LEDG4BP-2W-XIW-012V**

**Luminaire Photometric Report**

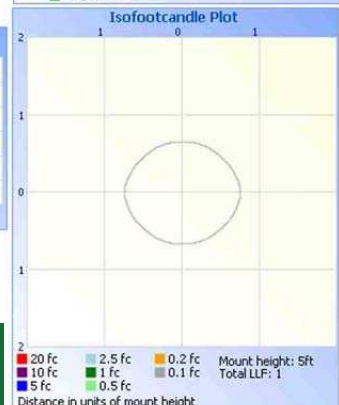
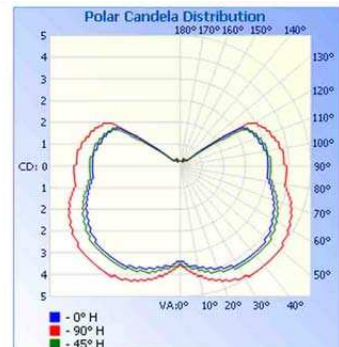
Filename: LEDG4BP-2W-XIW-012V @12VAC

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
0.8R	5.18 fc 1.7ft
1.7R	1.30 fc 3.3ft
2.5R	0.58 fc 5.0ft
3.3R	0.32 fc 6.7ft
4.2R	0.21 fc 8.3ft
5.0R	0.14 fc 10.0ft

Beam Spread: 90.0°

**12VAC**

**Luminaire Photometric Report**

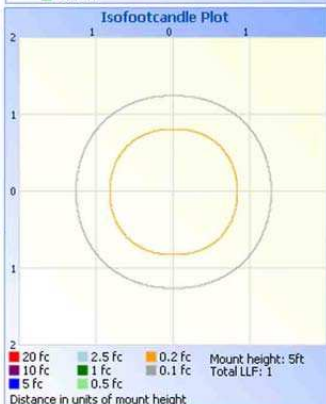
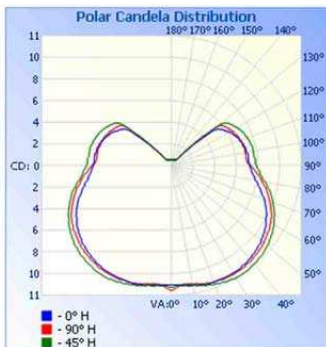
Filename: LEDG4BP-2W-XPW-012V @12VDC

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
0.8R	15.12 fc 1.1ft
1.7R	3.78 fc 2.1ft
2.5R	1.68 fc 3.2ft
3.3R	0.95 fc 4.2ft
4.2R	0.60 fc 5.3ft
5.0R	0.42 fc 6.3ft

Beam Spread: 64.5°

**12VDC**

**Luminaire Photometric Report**

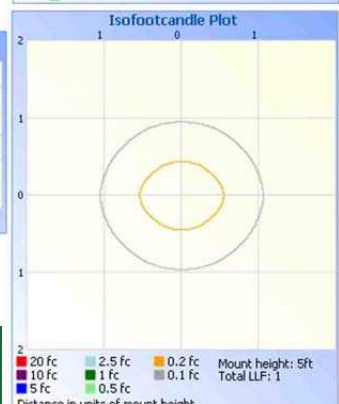
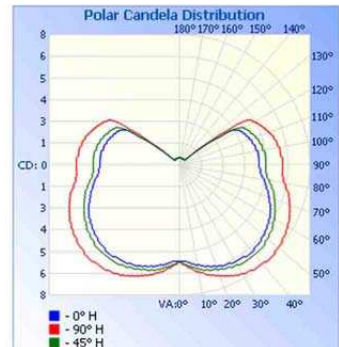
Filename: LEDG4BP-2W-XIW-012V @12VDC

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
0.8R	8.21 fc 1.7ft
1.7R	2.05 fc 3.3ft
2.5R	0.91 fc 5.0ft
3.3R	0.51 fc 6.7ft
4.2R	0.33 fc 8.3ft
5.0R	0.23 fc 10.0ft

Beam Spread: 90.0°

**12VDC**