



Direct Replacement of Incandescents up to 15 Watts — Consumes Only 1.3 Watts – Up to 90% Energy Savings

Clear or Frosted G15 Globe Lens — Omnidirectional Beam Pattern — 3000K Warm / 5000K Pure White Colors

FEATURES

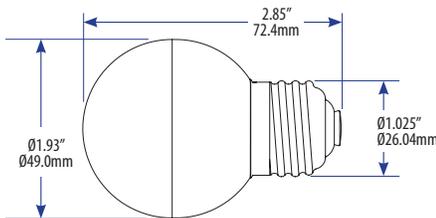
- **Warranty:** 3 Years
- **Major Power Savings:** Consumes Only 1.3 Watt or Less, Compares with 10W-15W Incandescents
- **Solid Construction:** Polycarbonate, UV-Protected Bulb
- **Solid-State:** High-Shock & High-Vibration Resistant
- **Long Lifespan:** White LED Lumen Maintenance Greater than 70% at 35,000 Hours of Operation (*Rated average life based on engineering testing and probability analysis*)
- **IP50 Dust Protected:** Suitable for Damp Locations



- **Easy Installation:** Using Existing E26 Edison Screw-in Fixtures
- **Dimmable** with standard lamp dimmers [*dimming action may not be a linear gradation, and light may not fully extinguish*]
- **Wide Ambient Temp. Range:** ~-22°F to ~+122°F

BENEFITS

- Low Power Consumption / High Intensity
- **Low Maintenance:** No Filaments to Break; Lowers Costs by Reducing Re-lamp Frequency
- **Higher Efficacy:** LEDs Are Up to 10 Times More Efficient than Incandescents
- **Cool Operation:** Doesn't Get Hot to the Touch – Minimizes Fire Hazard
- **Eco-Friendly:** No Mercury, No Lead Content
- **No Hazardous Emissions:** No UV or IR Radiation / No RF Interference
- **Even Lighting:** High Intensity / No Halation



SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

PART NO.	DEC-G15(F)-xxW-120A
Beam Pattern	270° Omnidirectional
Input Voltage	120 VAC
Base	26mm E26 Edison Screw
Lens	Polycarbonate, UV-Protected
Ambient Temp. Range	~-22°F to ~+122°F [~-30°C to ~+50°C]
Dimensions	Dia 1.93" x L2.85" (D49.0mm x L72.4mm)
Weight	0.0625 lb / 1.0 oz / 28.3 g

APPLICATIONS

- Wall Sconces & Lanterns
- Chandelier & Other Decorative Lighting
- Accent Lighting
- Signs & Marquees
- String Lighting



LEDtronics globe bulbs serve as marquee lighting for the lobby entrance to Lincoln Square Cinemas (above) and the Morse Theater (right), both in Chicago



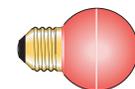
Ideal for Use with Alternate or Renewable Energy Resources – Solar & Wind Power

CUSTOM OPTIONS [For qualified applications & large-quantity OEM orders]

- **Other Voltages Available** – 12/14V, 24/28V, 240VAC
- **Other LED Colors** – Cool White, Red, Blue, Aqua Green, Yellow

PART NUMBER	INPUT CURRENT	ENERGY USED	EFFICACY	TOTAL LUMENS	CRI	COLOR TEMP.	LED EMITTING COLOR
CLEAR LENS							
DEC-G15-SIW-120A	0.015 A	1.0 Watts	34 lm/W	34 lm	66	2800K - 3200K	Warm White
DEC-G15-TPW-120A	0.016 A	1.1 Watts	40 lm/W	44 lm	75	4800K - 5200K	True White
FROSTED LENS							
DEC-G15F-SIW-120A	0.017 A	1.2 Watts	38 lm/W	46 lm	66	2800K - 3200K	Warm White
DEC-G15F-TPW-120A	0.014 A	0.8 Watts	60 lm/W	48 lm	75	4800K - 5200K	True White

- **Other Lens Colors** – Frosted Colored, Clear Lens with Color LEDs
- **Other Bases:** European E27



DEC-G15-SIW-120A

Luminaire Photometric Report

Filename: DEC-G15-SIW-120A
 Manufacturer: LEDTRONICS -
 Luminaire: CLEAR LENS, 120VAC, 1W
 Luminaire Cat: DEC-G15-SIW-120A
 Lamp: LUMEN RATING: 34.2Lms.
 Lamp Output: 1 lamp(s), rated lamp lumens: 34.2
 Max Candela: 6.4 at Horizontal: 0, Vertical: 0
 Luminous Opening: Point
 Test: 12-21-10

Zonal Lumen Summary

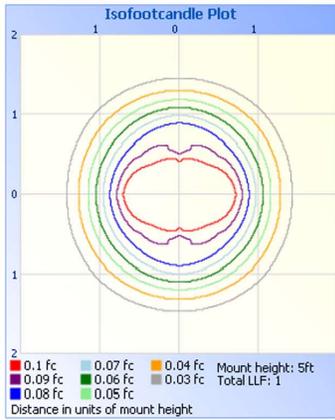
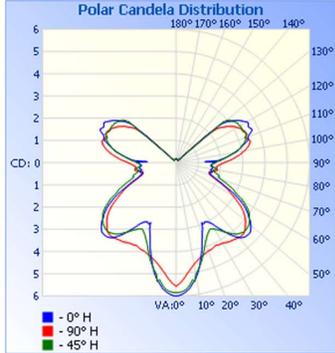
Zone	Lumens	% Lamp	% Luminaire
0-30	3.6	10.7%	10.7%
0-40	6.3	18.4%	18.4%
0-60	13.6	39.8%	39.8%
60-90	6.8	19.7%	19.7%
0-90	20.4	59.6%	59.6%
90-180	13.8	40.4%	40.4%
0-180	34.2	100%	100%

Total Efficiency: 100%

Illuminance at a Distance

Center Beam FC	Beam Width
0.8ft	9.27 fc 0.8ft 2.8ft
1.7ft	2.32 fc 1.5ft 5.7ft
2.5ft	1.03 fc 2.3ft 8.5ft
3.3ft	0.58 fc 3.0ft 11.4ft
4.2ft	0.37 fc 3.8ft 14.2ft
5.0ft	0.26 fc 4.5ft 17.0ft

Vert. Spread: 48.7° Horiz. Spread: 119.2°



DEC-G15F-SIW-120A

Luminaire Photometric Report

Filename: DEC-G15F-SIW-120A
 Manufacturer: LEDTRONICS -
 Luminaire: FROSTED LENS, 120VAC, 1.2W
 Luminaire Cat: DEC-G15F-SIW-120A
 Lamp: LUMEN RATING: 46.1Lms.
 Lamp Output: 1 lamp(s), rated lamp lumens: 46.1
 Max Candela: 4.9 at Horizontal: 0, Vertical: 0
 Luminous Opening: Point
 Test: 10-21-10

Zonal Lumen Summary

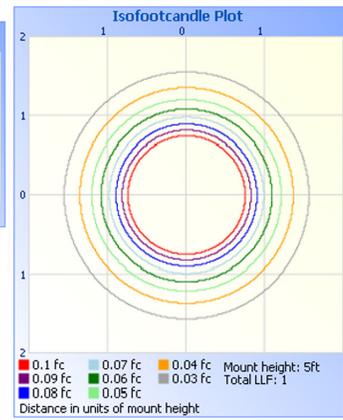
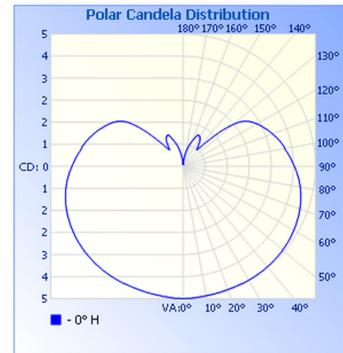
Zone	Lumens	% Lamp	% Luminaire
0-30	4.1	8.9%	8.9%
0-40	7.2	15.5%	15.5%
0-60	15.2	33%	32.9%
60-90	14.1	30.6%	30.5%
0-90	29.3	63.5%	63.5%
90-180	16.8	36.5%	36.5%
0-180	46.1	100.1%	100%

Total Efficiency: 100.1%

Illuminance at a Distance

Center Beam FC	Beam Width
0.8ft	7.07 fc 1.7ft
1.7ft	1.77 fc 3.3ft
2.5ft	0.79 fc 5.0ft
3.3ft	0.44 fc 6.7ft
4.2ft	0.28 fc 8.3ft
5.0ft	0.20 fc 10.0ft

Beam Spread: 90.0°



DEC-G15-TPW-120A

Luminaire Photometric Report

Filename: DEC-G15-TPW-120A
 Manufacturer: LEDTRONICS -
 Luminaire: CLEAR LENS, 120VAC, 1.1W
 Luminaire Cat: DEC-G15-TPW-120A
 Lamp: LUMEN RATING: 43.5Lms.
 Lamp Output: 1 lamp(s), rated lamp lumens: 43.5
 Max Candela: 9.1 at Horizontal: 0, Vertical: 0
 Luminous Opening: Point
 Test: 12-21-10

Zonal Lumen Summary

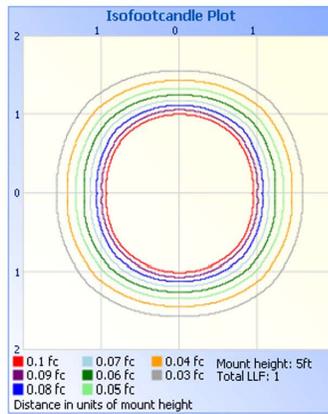
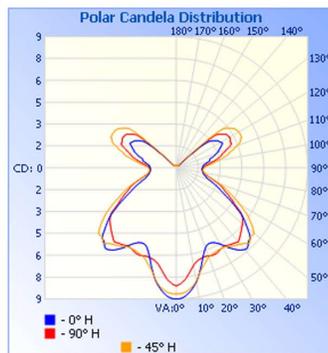
Zone	Lumens	% Lamp	% Luminaire
0-30	5.6	13%	13%
0-40	9.8	22.5%	22.6%
0-60	20.3	46.6%	46.6%
60-90	8.2	18.9%	18.9%
0-90	28.5	65.4%	65.4%
90-180	15.0	34.6%	34.6%
0-180	43.5	100%	100%

Total Efficiency: 100%

Illuminance at a Distance

Center Beam FC	Beam Width
0.8ft	13.08 fc 2.8ft 2.9ft
1.7ft	3.27 fc 5.5ft 5.8ft
2.5ft	1.45 fc 8.3ft 8.7ft
3.3ft	0.82 fc 11.0ft 11.7ft
4.2ft	0.52 fc 13.8ft 14.6ft
5.0ft	0.36 fc 16.5ft 17.5ft

Vert. Spread: 117.6° Horiz. Spread: 120.4°



CAUTION When Installing Lamps in Potentially Corrosive Outdoor Environments

LEDtronics suggests that a silicone moisture-barrier sealant be used to protect the metal-threaded base of the LED bulb.

Sealant is highly recommended for all outdoor-environment LED bulb installations to prevent water and/or moisture incursion that can lead to premature degradation of the bulb base and eventual bulb failure. **This is especially recommended for LED bulb installations near saltwater bodies.**

Dow Corning Molykote® 111 Valve Lubricant and Sealant is a high-temperature, moisture-resistant, silicone grease. If liberally applied to the clean surface of the lamp socket and the base of the lamp itself, it will provide moisture and corrosion resistance.

White LED technology is patent protected in the United States.

LEDtronics white LED products are covered under these patents.