



DécorLED S11/E12 Candelabra-Base Globe Bulbs

DEC-S11(F)-xxW-120A



Direct Replacement of Incandescents up to 10 Watts — Consumes Only 1 Watt — Up to 90% Energy Savings

Clear or Frosted S11 Globe Lens — Omnidirectional Beam Pattern — 3000K Warm / 5000K True White Colors

FEATURES

- **Warranty:** 3 Years
- **Major Power Savings:** Consumes Only 1 Watt, Compares with 10W-12W 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)
- **Moisture Resistant:** For Use Indoors or Outdoors
- **Easy Installation:** Using Existing E12 Candelabra Edison Screw-in Fixtures



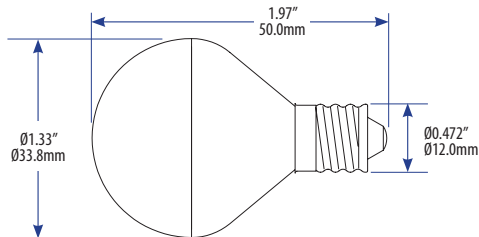
- **Wide Ambient Temp. Range:** ~-22°F to ~+122°F
- **Dimmable** with Standard Lamp Dimmers (dimming action may not be a linear gradation, and light may not fully extinguish)

APPLICATIONS

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

SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



PART NO.	DEC-S11(F)-xxW-120A
Beam Pattern	270° Omnidirectional
Input Voltage	120 VAC
Base	12mm E12 Candelabra Edison Screw
Lens	Polycarbonate, UV-Protected
Ambient Temp. Range	~-22°F to ~+122°F [~-30°C to ~+50°C]
Dimensions	Dia 01.33" x L1.97" (D033.8mm x L50.0mm)
Weight	0.025 lb / 0.4 oz / 11.34 g

BENEFITS

- **Efficiency:** Low Power Consumption / High Intensity
- **Low Maintenance:** No Filaments to Break; Lowers Costs by Reducing Re-lamp Frequency
- **Cool Operation:** Doesn't Get Hot to the Touch — Reduces Air-Conditioning Loads, 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



LEDtronics DEC-S11 bulbs used in decorative canopy LED lighting in a commercial edifice on 1700-K Street in Washington D.C.

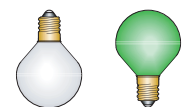


Ideal for Use with Alternate or Renewable Energy Resources — Solar & Wind Power

CUSTOM OPTIONS

[For qualified applications & large-quantity OEM orders]

- **Other Voltages** – 12/14V, 24/28V, 240VAC
- **Other LED Colors** – Cool White, Red, Blue, Aqua Green, Yellow
- **Other Bases:** European E27
- **Other Lens Colors** Available – Frosted Colored, Clear Lens with Color LEDs



PART NUMBER	INPUT CURRENT	ENERGY USED	EFFICACY	TOTAL LUMENS	CRI	COLOR TEMP.	LED EMITTING COLOR
CLEAR LENS							
DEC-S11-SIW-120A	0.015 A	1.0 Watts	38 lm/W	38 lm	66	2800K ~ 3200K	Warm White
DEC-S11-TPW-120A	0.014 A	0.8 Watts	69 lm/W	56 lm	75	4800K ~ 5200K	True White
FROSTED LENS							
DEC-S11F-SIW-120A	0.013 A	0.7 Watts	45 lm/W	32 lm	66	2800K ~ 3200K	Warm White
DEC-S11F-TPW-120A	0.020 A	0.8 Watts	65 lm/W	52 lm	75	4800K ~ 5200K	True White

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Creating the Future of Light Since 1983™

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LOG 381 / Rev 04-2013

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

DEC-S11-SIW-120A

Luminaire Photometric Report

Filename: DEC-S11-SIW-120A
 Manufacturer: LEDTRONICS -
 Luminaire: CLEAR LENS, 120VAC, 1W
 Luminaire Cat: DEC-S11-SIW-120A
 Lamp: LUMEN RATING: 37.6Lms.
 Lamp Output: 1 lamp(s), rated lamp lumens: 37.6
 Max Candela: 7.6 at Horizontal: 0, Vertical: 22
 Lumines Opening: Point
 Test: 10-22-10

Zonal Lumen Summary

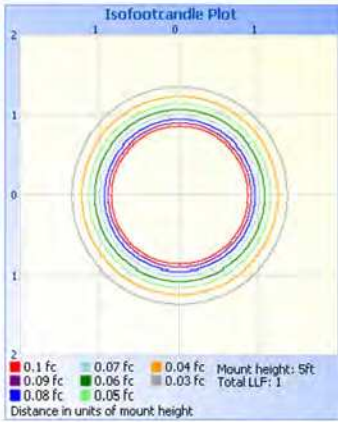
Zone	Lumens	% Lamp	% Luminaire
0-30	6.3	16.8%	16.8%
0-40	10.5	27.9%	27.8%
0-60	17.4	46.3%	46.3%
60-90	7.0	18.6%	18.6%
0-90	24.4	65%	64.9%
90-180	13.2	35.1%	35.1%
0-180	37.6	100%	100%

Total Efficiency: 100%

Illuminance at a Distance

Center Beam FC	Beam Width
0.8ft	9.56 fc 2.0ft 2.1ft
1.7ft	2.39 fc 3.9ft 4.2ft
2.5ft	1.06 fc 5.9ft 6.3ft
3.3ft	0.60 fc 7.9ft 8.4ft
4.2ft	0.38 fc 9.9ft 10.5ft
5.0ft	0.27 fc 11.8ft 12.6ft

Vert. Spread: 99.6° Horiz. Spread: 103.3°



DEC-S11-TPW-120A

Luminaire Photometric Report

Filename: DEC-S11-TPW-120A
 Manufacturer: LEDTRONICS
 Luminaire: CLEAR LENS, 120VAC, .8W
 Luminaire Cat: DEC-S11-TPW-120A
 Lamp: LUMEN RATING: 55.5Lms
 Lamp Output: 1 lamp(s), rated lamp lumens: 55.5
 Max Candela: 8.7 at Horizontal: 0, Vertical: 3
 Lumines Opening: Point
 Test: 2-1-11

Zonal Lumen Summary

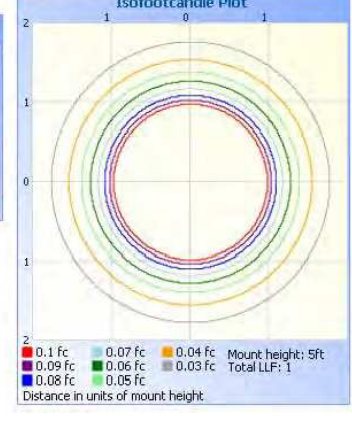
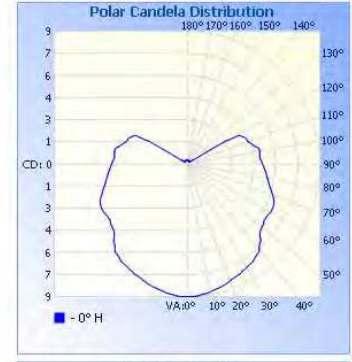
Zone	Lumens	% Lamp	% Luminaire
0-30	6.8	12.3%	12.3%
0-40	11.6	20.9%	20.9%
0-60	22.4	40.4%	40.4%
60-90	17.6	31.8%	31.8%
0-90	40.1	72.2%	72.2%
90-180	15.4	27.8%	27.8%
0-180	55.5	100%	100%

Total Efficiency: 100%

Illuminance at a Distance

Center Beam FC	Beam Width
0.8ft	12.44 fc 1.7ft
1.7ft	3.11 fc 3.3ft
2.5ft	1.38 fc 5.0ft
3.3ft	0.78 fc 6.7ft
4.2ft	0.50 fc 8.3ft
5.0ft	0.35 fc 10.0ft

Beam Spread: 90.0°



DEC-S11F-TPW-120A

Luminaire Photometric Report

Filename: DEC-S11F-TPW-120A
 Manufacturer: LEDTRONICS -
 Luminaire: WHITE LENS, 120VAC, .8W
 Luminaire Cat: DEC-S11F-TPW-120A
 Lamp: LUMEN RATING: 51.8Lms.
 Lamp Output: 1 lamp(s), rated lamp lumens: 51.8
 Max Candela: 7.7 at Horizontal: 0, Vertical: 0
 Lumines Opening: Point
 Test: 8-27-10

Zonal Lumen Summary

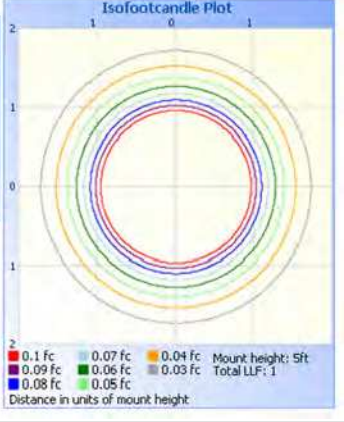
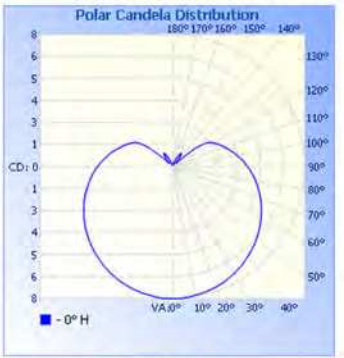
Zone	Lumens	% Lamp	% Luminaire
0-30	6.2	12.1%	12%
0-40	10.6	20.5%	20.5%
0-60	21.3	41.1%	41.1%
60-90	16.2	31.3%	31.2%
0-90	37.5	72.4%	72.3%
90-180	14.3	27.7%	27.7%
0-180	51.8	100.1%	100.1%

Total Efficiency: 100.1%

Illuminance at a Distance

Center Beam FC	Beam Width
0.8ft	11.06 fc 1.6ft
1.7ft	2.76 fc 3.3ft
2.5ft	1.23 fc 4.9ft
3.3ft	0.69 fc 6.6ft
4.2ft	0.44 fc 8.2ft
5.0ft	0.31 fc 9.8ft

Beam Spread: 89.0°



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.