



High-Power LED Bulbs, Medium Base for Beacon / Luminaire / Jelly Jar Lamps

BSD-1928-xxx-006



Consumes 6 Watts Max – Replaces 35W & 50W HPS Bulbs — E26 Screw-In Base

Casts 360° Radial Beam — Can Be Mounted Hanging with Base Up, Sideways or Down

FEATURES

- **Warranty:** 5 Years
- **Very Low Power Used:** Less than 6 Watts
- **Flexible Positioning:** Lamp with Base Up, Down or Sideways
- **Ventilated:** Lamp Assembly Feature Aids in Maintaining Cool-Running Lamp
- **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*)
- **Colored LEDs Last Longer:** Up to 100,000 Hours of Continuous Operation
- **Optimized Design:** LEDs Are Mounted to Provide Maximum Luminance at Desired Angles
- **Cut-Off Beam**
- **Lab Tested** in Accordance with IES Standards
- **Made in the USA** from Imported Parts – Meets Buy American Requirements within the ARRA Program

BSD-1928-0UO-006 at right
BSD-1928-TPW-006 below



Colored Lamps Can Be Used with a Matching Color-Tinted Lens or Water-Clear Lens

Utility Patents
US 8,128,258 B2
US 7,862,204 B

Design Patent
US D631,567 S

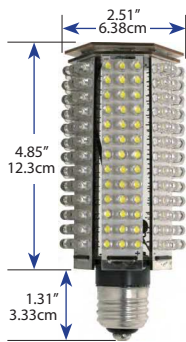
BENEFITS

- **Major Energy Savings:** Up to 85% Dramatically Reduces Energy Costs
- **Longer Operating Life** than HPS or Other HID Lamps
- **Maintenance-Free** for over 5 Years of Continuous Use
- **Reduces Light Pollution:** No Wasted Light – Eliminates Light Intrusion into Residences, Offices
- **Enhances Vision:** Better Optical Acuity – Little Disability Glare; "Dark Skies" Initiative-Compatible
- **Radiation/Emissions-Free:** No Harmful UV or IR, No RFI/EMI/HD
- **Eco-Friendly:** No Mercury or Other Toxic Metals
- **Cooler Operation:** Creates Much Less Heat than HPS Lamps

SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

PART NO.	BSD-1928-xxx-006
Beam Pattern	Radial Beam 90 Degrees from Lamp Centerline
50% Field of View	10° to 30° above/below Equatorial Plane
Input Voltage	120VAC
Ambient Operating Temp. Range	~-22°F to ~+122°F [~-30°C to ~+50°C]
Base Type	E26 Medium Base Screw-in
Dimensions (L x W)	H6.16" x W2.51" (156.5mm x 63.8mm)
Weight	1.4 oz (40g)



APPLICATIONS

- Post-top Fixtures of Various Sizes and Configurations
- Walkway Lamps / Globes
- Lighted Traffic Bollards
- Outdoor Area Pendant-Style Lights with Bulbs Base up
- Hazardous Area Warning / Emergency Beacons
- Signal / Industrial Beacons
- Accent Lighting
- Externally Switched Flashing Applications
- "Jelly-Jar-style" Lens Enclosures



Lamp installed in marine-type outdoor Hazlux® fixture. Lamp can be oriented in any position. Only the lamp is sold.



PART NUMBER	ENERGY USED	INPUT CURRENT	TOTAL LUMENS	MAX. FOOT CANDELA	EFFICACY	COLOR TEMPERATURE	PEAK WAVE λ	EMITTED COLOR	BEAM SPREAD	VIEW ANGLE @90° to vert.
BSD-1928-TPW-006	5.6 W	70mA	773 lm	104 cd	138 lm/W	4800K~5200K	N/A	Pure White	35°	~60°
BSD-1928-0ER-006	4.1 W	70mA	31.8 lm	90 cd	8 lm/W	N/A	630nm	Super Red	H16°/V81°	~35°
BSD-1928-0PB-006	5.9 W	77mA	128 lm	38 cd	22 lm/W	N/A	455nm	Super Blue	H18°/V90°	~35°
BSD-1928-0UO-006	4.1 W	70mA	312 lm	90 cd	76 lm/W	N/A	604nm	Super Orange	H16°/V81°	~35°

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Creating the Future of Light Since 1983™

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BSD-1928-TPW-006

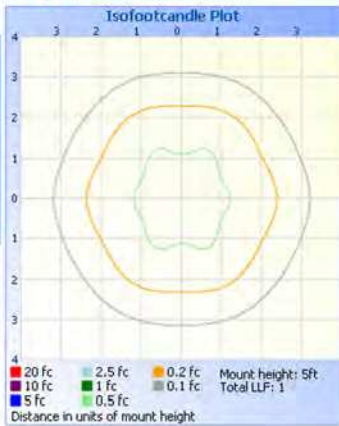
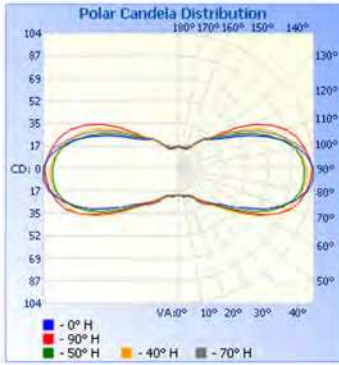
Luminaire Photometric Report

Filename: **BSD-1928-TPW-006**
 Manufacturer: LEDTRONICS -
 Luminaire: WITH NO LENS, 120VAC, 5.6W
 Luminaire Cat: BSD-1928-TPW-006
 Lamp: LUMEN RATING: 773.3lms.
 Lamp Output: 1 lamp(s), rated lamp lumens: 773.3
 Max Candela: 104.0 at Horizontal: 0, Vertical: 85
 Luminous Opening: Point
 Test: 3-10-10

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	19.6	2.5%	2.5%
0-40	39.7	5.1%	5.1%
0-60	122.9	15.9%	15.9%
60-90	286.4	37%	37%
0-90	409.3	52.9%	52.9%
90-180	364.0	47.1%	47.1%
0-180	773.3	100%	100%

Total Efficiency: 100%



Illuminance at a Distance

Center Beam FC	Beam Width
0.8R	28.80 fc 0.5ft
1.7R	7.20 fc 1.1ft
2.5R	3.20 fc 1.6ft
3.3R	1.80 fc 2.1ft
4.2R	1.15 fc 2.6ft
5.0R	0.80 fc 3.2ft

Beam Spread: 35.0°

BSD-1928-OUO-006

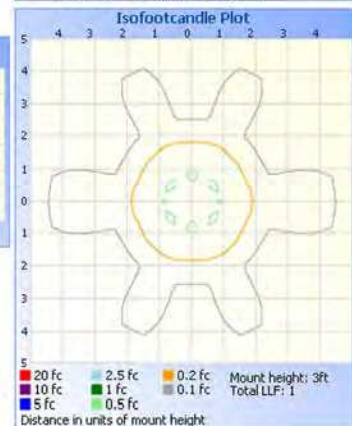
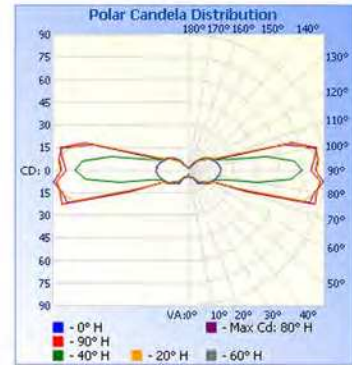
Luminaire Photometric Report

Filename: **BSD-1928-OUO-006**
 Manufacturer: LEDTRONICS -
 Luminaire: WITH NO LENS, 120VAC, 4.1W
 Luminaire Cat: BSD-1928-OUO-006
 Lamp: LUMEN RATING: 311.9lms.
 Lamp Output: 1 lamp(s), rated lamp lumens: 311.9
 Max Candela: 89.6 at Horizontal: 80, Vertical: 85
 Luminous Opening: Point
 Test: 10-15-09

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	4.0	1.3%	1.3%
0-40	8.6	2.8%	2.8%
0-60	30.6	9.8%	9.8%
60-90	129.9	41.7%	41.7%
0-90	160.5	51.5%	51.5%
90-180	151.3	48.5%	48.5%
0-180	311.9	100%	100%

Total Efficiency: 100%



Illuminance at a Distance

Center Beam FC	Beam Width
0.5R	14.80 fc 0.9ft 0.1ft
1.0R	3.70 fc 1.7ft 0.3ft
1.5R	1.64 fc 2.6ft 0.4ft
2.0R	0.93 fc 3.4ft 0.6ft
2.5R	0.59 fc 4.3ft 0.7ft
3.0R	0.41 fc 5.1ft 0.9ft

Vert. Spread: 81.0° Horiz. Spread: 16.4°

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

CUSTOM OPTIONS

[For qualified applications & large-quantity OEM orders]

- Other Voltages
- Other Custom Bases, E27 European
- Other Colors: Yellow, Green

NOTE

If a ballast is present and used by an old preexisting lamp, the ballast needs to be bypassed for the LED lamp (Operating Voltage 100-277 VAC).

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

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.

BSD-1928-OPB-006

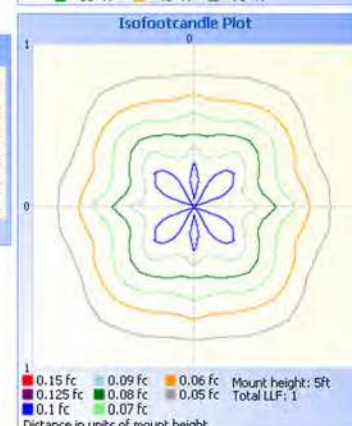
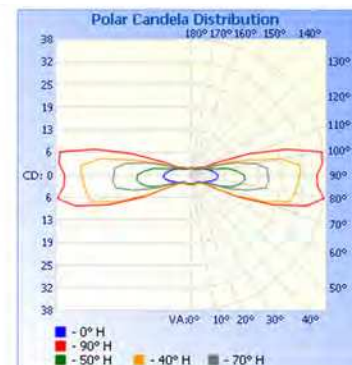
Luminaire Photometric Report

Filename: **BSD-1928-OPB-006**
 Manufacturer: LEDTRONICS -
 Luminaire: WITH NO LENS, 120VAC, 5.9W
 Luminaire Cat: BSD-1928-OPB-006
 Lamp: LUMEN RATING: 127.9lms.
 Lamp Output: 1 lamp(s), rated lamp lumens: 127.9
 Max Candela: 37.9 at Horizontal: 90, Vertical: 80
 Luminous Opening: Point
 Test: 3-12-10

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	2.3	1.8%	1.8%
0-40	4.0	3.1%	3.1%
0-60	10.2	8%	8%
60-90	60.7	47.4%	47.5%
0-90	70.9	55.4%	55.4%
90-180	57.0	44.6%	44.6%
0-180	127.9	100%	100%

Total Efficiency: 100%



Illuminance at a Distance

Center Beam FC	Beam Width
0.8R	3.46 fc 1.7ft 0.3ft
1.7R	0.86 fc 3.3ft 0.5ft
2.5R	0.38 fc 5.0ft 0.8ft
3.3R	0.22 fc 6.7ft 1.1ft
4.2R	0.14 fc 8.3ft 1.3ft
5.0R	0.10 fc 10.0ft 1.6ft

Vert. Spread: 90.0° Horiz. Spread: 18.2°