



LED Low-Voltage Streetlight Luminaire – M250 & AEL115 Style Cobraheads / 27 Watts

SLL006-3D46-TPW-004-10/30V



Module Available to Fit the Standard Roadway Lighting Cobrahead Luminaires from Major Manufacturers

Operates on 10-to-30VDC — Replaces HPS up to 125 Watts — Typical Mounting Height: 18-24 feet

FEATURES

- **Warranty:** 5 Years
- **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*)
- **Low Energy Consumption:** Uses Only 27 Watts—Reduction of 43 Watts from Standard 70W HPS Lamp with 16 to 25W Standard Transformers
- **Super Intensity/High Efficacy:** 1,998 Candelas and 68 Lumens per Watt
- **Weatherproof:** Entire Lamp Assembly Sealed to Provide Added Protection from Adverse Environmental Conditions
- **Optimized Design:** LEDs Mounted to Provide Maximum Luminance at Desired Angles
- **Solid-State:** High-Shock- & High-Vibration-Resistant
- **High CRI** Enhances All Colors
- **Solid Construction:** Die-Cast Aluminum Housing with Electrocoated Grey Paint Finish, Clear Polycarbonate Lens
- Universal Two-Bolt Slipfitter
- **Compatibility:** LED Cluster Works with General Electric Model 250 Cobrahead & AEL-115 Streetlamps
- **Conformity:** Lab tested in Accordance with IES Standards
- **Less Weight:** Only 12 lbs as Compared to 39-42 lbs Conventional Lighting
- **Wide Ambient Oper. Temp. Range:** ~-22°F to ~+122°F [~-30°C to ~+50°C]
- **Made in the USA** from Imported Parts – Meets *Buy American* Requirements within the ARRA Program



US Design Patents
US D629,957 S – US D613,886 S



ARRA Compliant

Energy Independence with Alternate or Renewable Energy Resources – Solar & Wind Power

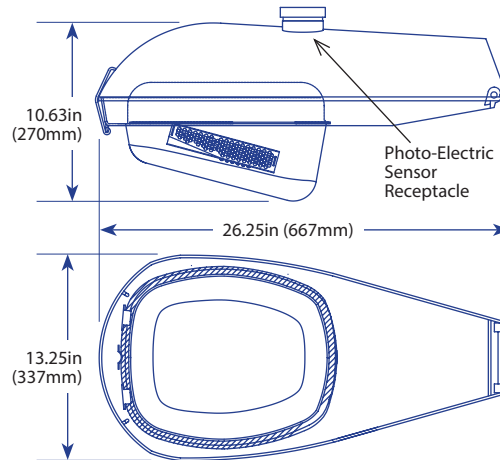
BENEFITS

- **Major Energy Savings:** Up to 70% Compared to Incandescents
- **Instant On:** No Delay in Re-Strike
- **Reduces Light Pollution:** No Wasted Light – Eliminates Light Intrusion into Residences, Offices, Stores – “Dark Skies” Initiative-Friendly
- **Enhances Vision:** Better Optical Acuity, Little Or No Disability Glare as Compared with High Glare from HID Lamps
- **Maintenance-Free** for over 5 Years of Continuous Use
- **No Harmful Emissions:** No Infrared; No Ultraviolet—Does Not Attract Insects

SPECIFICATIONS

All specifications and pricing subject to change without notice

PART NO.	SLL006-3D46-TPW-004-10/30V
Emitted Color	True White
Color Temperature (CCT)	4800K - 5200K
Color Rendering Index (CRI)	70~73
Beam Pattern	Type III Asymmetric
Viewing Angle <small>(Full Beam Width @ 50% Intensity)</small>	Vert: 62.7° – Horiz: 146.9°
Input Voltage	10 - 30 VDC
Input Current	1.1 A @ 24VDC
Energy Used	27 Watts
Efficacy	68 lm/W
Total Lumens	1848 lm
Maximum Candela	963 cd
Pipe Mounting Diameter	1¼-2 in. Pipe (1.66 - 2.375 O.D.)
Weight	12 lbs / 5.44 kg



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

- **Other Voltages Available:** 100VAC – 240VAC – 277VAC
- **Other Cobrahead Model Numbers Available**

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Creating the Future of LED Light Since 1983™

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Check LEDtronics.com for latest data. Printed material may be outdated.

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

Photometric Report

Luminaire Photometric Report

Filename: SLL006-3D46-TPW-004-10/30V
 Manufacturer: LEDTRONICS -
 Luminaire: WITH CLEAR LENS, 12VDC [10-30VDC], 27W
 Luminaire Cat: SLL006-3D46-TPW-004-10/30V
 Lamp: LUMEN RATING: 1847.8lms.
 Lamp Output: 1 lamp(s), rated lamp lumens: 1847.8
 Max Candela: 963.0 at Horizontal: 80, Vertical: 57.5
 Luminous Opening: Point
 Test: 4-27-09

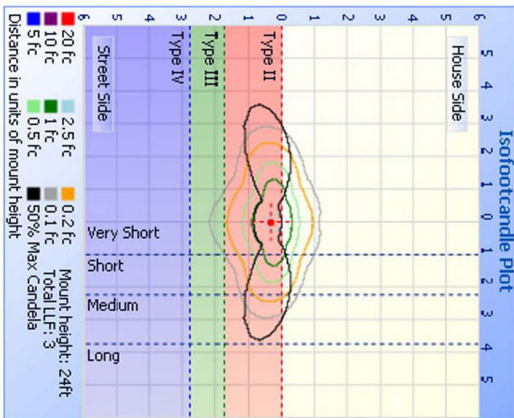
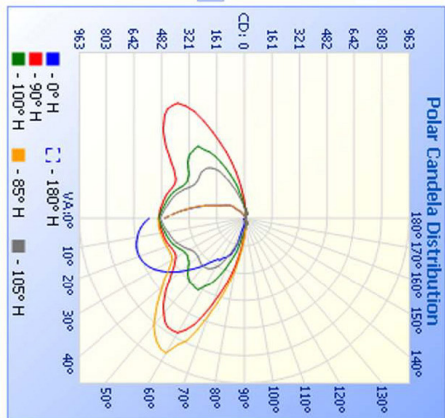
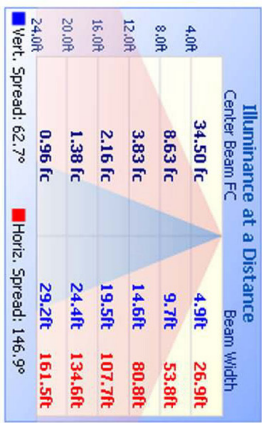
Flood Summary

Efficiency Lumens Horizontal Spread Vertical Spread
 Field (10%): 87.6% 1,618.4 n/a 131.3
 Beam (50%): 46.8% 865.7 146.9 62.7
 Total: 92.5% 1,709.8

Roadway Summary

Cutoff Classification: NON-CUTOFF
 Distribution: TYPE II, SHORT
 Max Cd, 90 Deg Vert: 120.0
 Max Cd, 80 to <90 Deg: 325.0

Lumens % Lamp
 Downward Street Side: 1,201.3 65%
 Downward House Side: 513.5 27.8%
 Downward Total: 1,714.8 92.8%
 Upward Street Side: 64.9 3.5%
 Upward House Side: 68.1 3.7%
 Upward Total: 133.0 7.2%
 Total Lumens: 1,847.8 100%



Roadway Illumination Guideline

CLASSIFICATION

I.E.S. LIGHTING STANDARD

Street	Area	Average Illuminance (Footcandles)	Illuminance Uniformity
Major	Commercial	1.20	3.0 to 1
	Intermediate	0.90	3.0 to 1
	Residential	0.60	3.5 to 1
Collector	Commercial	0.80	3.0 to 1
	Intermediate	0.60	3.5 to 1
	Residential	0.40	4.0 to 1
Local	Commercial	0.60	6.0 to 1
	Intermediate	0.50	6.0 to 1
	Residential	0.30	6.0 to 1
Parking Lot	Open Space	0.5-2.0	4:1

NOTES

- Source: Illumination Engineering Society of North America, "Lighting Handbook", 8th Edition, 1993.
- Footcandle is the amount of direct light thrown by one candle on a one-square-foot surface, every part of which is one foot away from the candle.
- Illuminance uniformity ratio is the average illuminance of the roadway design area between two adjacent divided by the lowest value at any point in the area.