



# LED Street & Roadway Light – M400-Style Cobrahead

SLL002P-72X2W-XPW-004



**Full Cutoff — Consumes Only 82 Watts – Replaces MH/HPS Outdoor Fixtures up to 250W**

**Operates on 90~305VAC — 5500K Pure White — Typical Mounting Height: 25-35 feet**

## FEATURES

- **Lamp Warranty:** 5 Years
- **Long Lifespan:** White LED Lumen Maintenance Greater than 70% at 50,000 Hours of Operation (*Rated average life based on engineering testing and probability analysis*)
- **Very Low Power Usage:** A Reduction of 168 Watts if Used to Replace Standard 250W HPS Lamp (*with 40 Watts Transformer Loss*)
- **Full Cutoff**
- **Instant On:** No Delay in Re-Strike
- **Solid Construction:** Die-Cast Aluminum Housing with Electrocoated Grey Paint Finish; Clear, Tempered Glass Lens



- Universal Adjustable Two-Bolt Mounting Bracket
- Tested in Accordance with IES Standards
- **Wide Ambient Oper. Temp. Range:** ~-22°F to ~+122°F [~-30°C to ~+50°C]

- Meets IP55 Requirements
- **Input Power Surge Protection:** Onboard 40kAmp
- **Solid-State:** High-Shock & High-Vibration Resistant
- **Safety Assurance:** ETL Listed

- **Photo-Cell Receptacle / Jumper Included**
- **DesignLights™ Consortium Listed:** Appears on DLC Qualified Products List
- **Eco-Friendly:** RoHS Compliant



Made in the USA from imported parts. Meets Buy American requirements within the ARRA program.

## SPECIFICATIONS

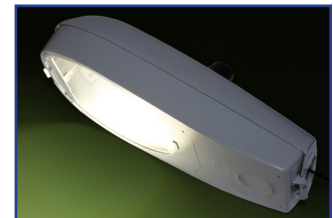
All specifications and pricing subject to change without notice

<b>PART NO.</b>	SLL002P-72X2W-XPW-004
<b>Emitted Color</b>	Pure White
<b>Color Temperature (CCT)</b>	5000K~5600K
<b>Color Rendering Index (CRI)</b>	76
<b>Beam Pattern</b>	Type III Asymmetric Very Short – Full Cutoff
<b>Viewing Angle</b> <small>(Full Beam Width @ 50% Intensity)</small>	Vert: 52° – Horiz: 110°
<b>Input Voltage</b>	90~305VAC
<b>Total Lumens</b>	6673 lm
<b>Maximum Candela</b>	4223 cd
<b>Ambient Operating Temp.</b>	~-22°F to ~+122°F ~-30°C to ~+50°C
<b>Pipe Mounting Diameter</b>	1 1/4 in. Pipe (1.66-2.375 O.D.)
<b>Weight</b>	20.1 lbs / 9.12 kg

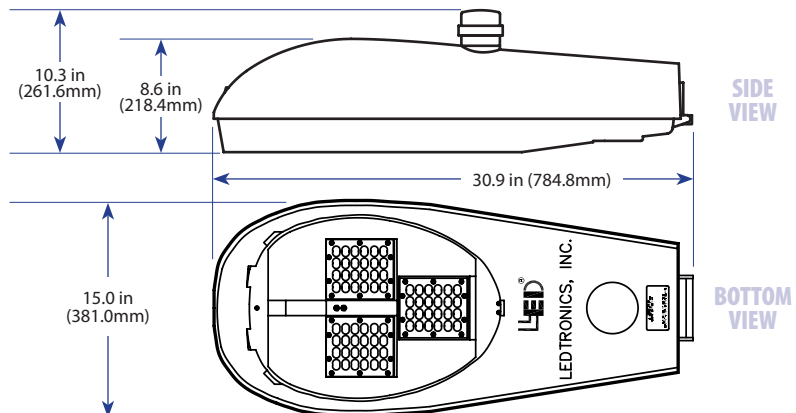
INPUT VOLTAGE	INPUT CURRENT	ENERGY USED	EFFICACY	POWER FACTOR
120VAC	0.640-0.785 A	82 Watts	82 lm/W	0.99
277VAC	0.275-0.335 A	83 Watts	82 lm/W	0.90

## BENEFITS

- **Reduces Light Pollution:** “Dark Skies” Initiative-Friendly – No Wasted Light, Full Cutoff
- **Low Ultraviolet Emission:** Does Not Attract Insects
- **Enhances Night Vision:** Better Optical Acuity – Little or No Debilitating Glare
- **High CRI Enhances All Colors**



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



**LEDtronics®**  
Creating the Future of Light Since 1983™

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GSA Contract Holder

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

# LED Street & Roadway Light for M400 Cobraheads

## Photometric Report

### Luminaire Photometric Report

Filename: T31490(u)

Manufacturer: LEDTRONICS INC - LED ROADWAY LUMINAIRE

Luminaire: WITH WHITE INTERIOR AND CLEAR GLASS FLAT LENS

Luminaire Cat: SL002P-72X2W-XPW-004

Lamp: 72 LEDs, LUMINAIRE OUTPUT: 6673 Lms.

Lamp Output: 1 lamp(s), rated Lumens/lamp: 6685.436

Max Candela: 4,223.0 at Horizontal: 35°, Vertical: 50°

Input Wattage: 81.5

Luminous Opening: Point

Test: 31490

Test Lab: LIGHTING SCIENCES, INC.

Photometry: Type C

CIE Class: Direct

Nema Type: 7 X 5

### Roadway Summary

Cutoff Classification: FULL CUTOFF

Distribution: TYPE II, VERY SHORT

Max Cd, 90 Deg Vert: 0

Max Cd, 80 to <90 Deg: 42.9

Lumens % Lamp

Downward Street Side: 4,969.4 74.3%

Downward House Side: 1,716.0 25.7%

Downward Total: 6,685.4 100%

Upward Street Side: 0 0%

Upward House Side: 0 0%

Upward Total: 0 0%

Total Lumens: 6,685.4 100%

### Illuminance at a Distance

Center Beam FC

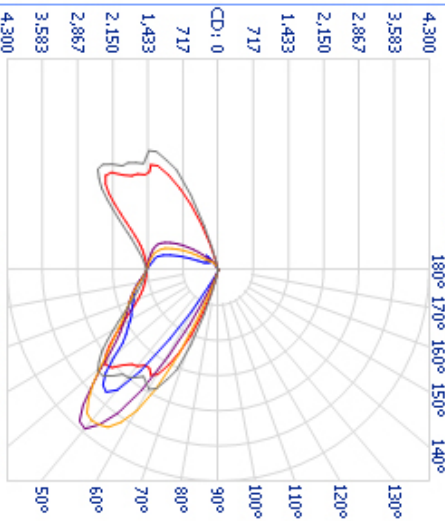
Beam Width

5.0ft	58.24 fc	4.6ft	16.6ft
10.0ft	14.56 fc	9.1ft	33.3ft
15.0ft	6.47 fc	13.7ft	49.9ft
20.0ft	3.64 fc	18.2ft	66.6ft
25.0ft	2.33 fc	22.8ft	83.2ft
30.0ft	1.62 fc	27.4ft	99.8ft

Vert. Spread: 49.0°

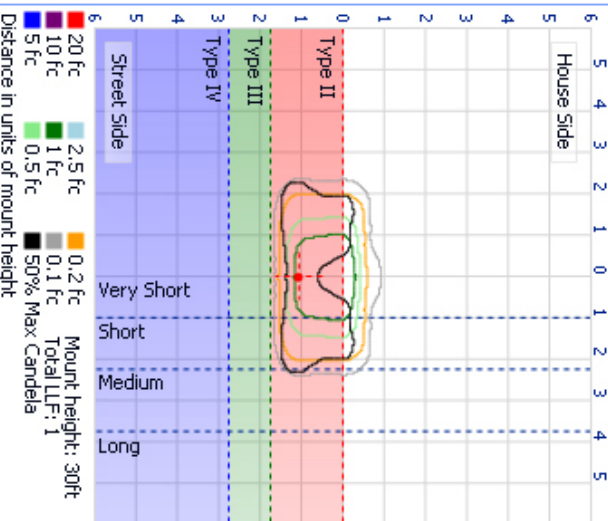
Horiz. Spread: 118.0°

### Polar Candela Distribution



Legend:  
■ 0° H  
■ 90° H  
■ 45° H  
■ Max Cd: 35° H

### Isofootcandle Plot



## LED Lighting facts®

A Program of the U.S. DOE

Light Output (Lumens)

6673

Watts

81.5

Lumens per Watt (Efficacy)

81

Color Accuracy

76

Light Color  
Correlated Color Temperature (CCT)

5105 (Daylight)

Warm White 3000K Bright White 4500K Daylight 6500K

LED Lumen Maintenance Projection at 25,000 Hours at 25°C Ambient\* 101%

Warranty\*\* Yes

All results, except LED Lumen Maintenance, are according to IESNA LM-79-2008:  
Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.  
The U.S. Department of Energy (DOE) verifies product test data and results.  
Information based on initial test performance. Wattage may increase over time.

\* Based on TM-21 projections for the light source.

\*\* See [www.lightingfacts.com/products](http://www.lightingfacts.com/products) for details.

Registration Number: ESM7-Q7T314 (3/19/2013)

Model Number: SL002P-72X2W-XPW-004

Type: Outdoor arearoadway fixture

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