



# KT-LED100HID-EX39-840-D

## HID REPLACEMENT LED LAMP

rev.1

### DESCRIPTION

100W HID Replacement LED Lamp | 4000K | >83 CRI | IP64 Rated



|   |
|---|
| <b>LAMP TYPE:</b> HID Replacement LED   |
| <b>BASE TYPE:</b> EX39 (Mogul)          |
| <b>WATTAGE:</b> 100W                    |
| <b>COLOR TEMPERATURE:</b> 4000K         |
| <b>METAL HALIDE EQUIVALENT:</b> 400W    |
| <b>COLOR RENDERING INDEX (CRI):</b> >83 |
| <b>WARRANTY:</b> 5 Years                |



### PRODUCT FEATURES

- Replacement for Conventional Metal Halide Lamp or Ballast;
- Non-Dimmable; Do Not Dim
- 50,000+ Hour Lifetime
- Environmentally Friendly: No Mercury Used
- Instant Startup
- UL Listed
- DLC Listed
- Operating Temperature: -29°C/-20°F to 60°C/140°F
- Integral Driver, Eliminates the Need for External Driver
- Includes 6kV Surge Protection
- IP64 Rated; Integrated Heat Sink Quickly Dissipates Heat and Guides Water Intrusion Out of the Lamp
- Active Cooling Technology: When Internal Thermal Sensor Reaches 84°C, Lamp Power Reduces To 80% Of Max; When Sensor Cools To 65°C Lamp Powers Back Up To 100% Rated Power
- Lamp Includes Safety Tether for Additional Security When Installing Lamp in Luminaire
- Suitable for Use in Fully Enclosed Fixture

### OPERATING SPECIFICATIONS

#### ELECTRICAL CHARACTERISTICS

| Input Voltage | Power Consumption | Power Factor | Input Current                |
|---------------|-------------------|--------------|------------------------------|
| 120-277Vac    | 100W              | >0.9         | 0.93A @ 120V<br>0.40A @ 277V |

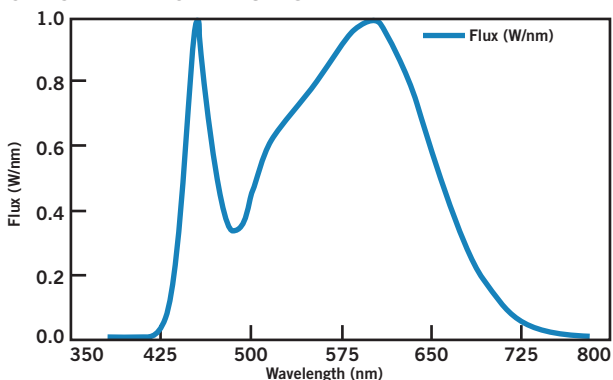
#### RATED LIFE

| L70 (Hours) | 50,000 |
|-------------|--------|
|             |        |

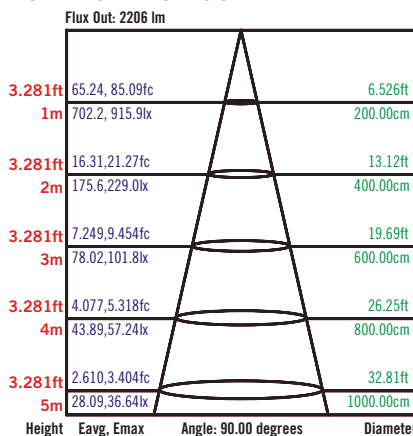
#### PHOTOMETRIC CHARACTERISTICS

|                             |           |
|-----------------------------|-----------|
| Color Temperature (CCT)     | 4000K     |
| Luminous Flux               | 14,000 lm |
| Color Rendering Index (CRI) | >83       |
| Efficacy                    | 140 lm/W  |
| Visible Light Area          | 360°      |

#### SPECTRAL DISTRIBUTION



#### LUX DISTANCE CURVE



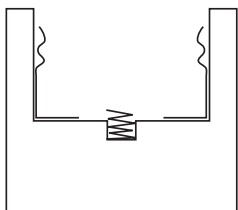
Note: The curves indicate the illuminated area and the average illumination when the luminaire is at a different distance.



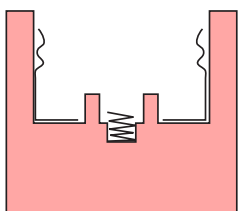
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E39 MOGUL SOCKET



EX39 MOGUL SOCKET

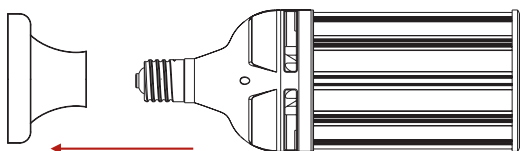
**EX39-based lamps will work in both E39 and EX39 sockets.**

### WIRING DIAGRAM

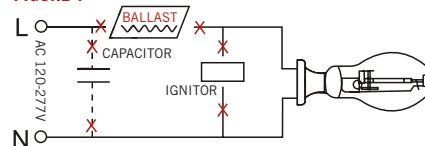
**STEP 1**  
**Disconnect power.** Disconnect and remove existing ballast, capacitor, and/or ignitor (where applicable) from fixture.

**STEP 2**  
 Rewire for line voltage to the lamp socket.

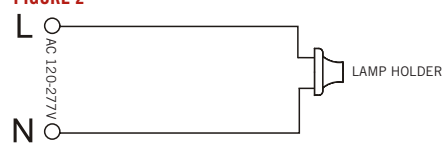
**STEP 3**  
 Install new LED replacement lamp. Ensure lamp is operating properly when power is turned on.



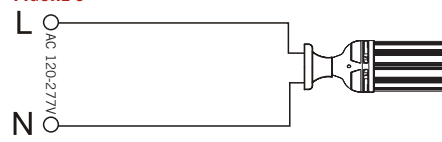
**FIGURE 1**



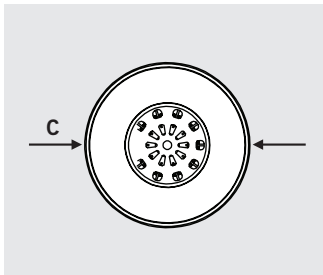
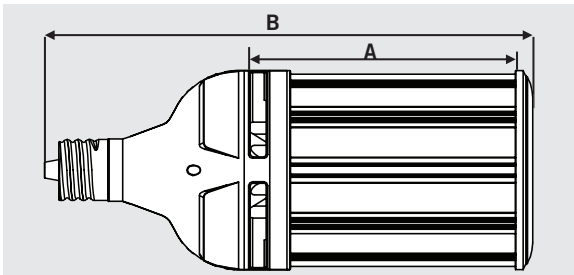
**FIGURE 2**



**FIGURE 3**



### PHYSICAL CHARACTERISTICS



#### LAMP DIMENSIONS

|                               |        |
|-------------------------------|--------|
| <b>A (Illuminated Length)</b> | 5.78"  |
| <b>B (Body Length)</b>        | 12.57" |
| <b>C (Diameter)</b>           | 5.12"  |

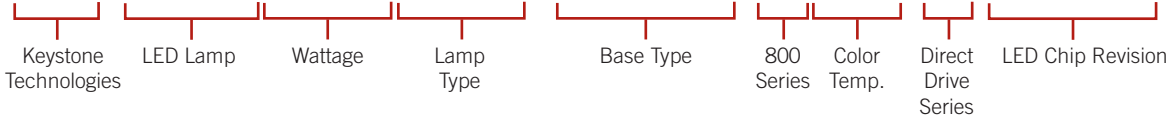
**BASE TYPE:** EX39 (Mogul)

### ORDERING INFORMATION

| ORDER CODE                   | PACKAGING STYLE                       | PACK QTY. | ITEM STATUS |
|------------------------------|---------------------------------------|-----------|-------------|
| KT-LED100HID-EX39-840-D rev1 | Distributor Pack (Individual Cartons) | 6         | Quick Ship  |

### CATALOG NUMBER BREAKDOWN

# KT-LED100HID-EX39-840-D rev1





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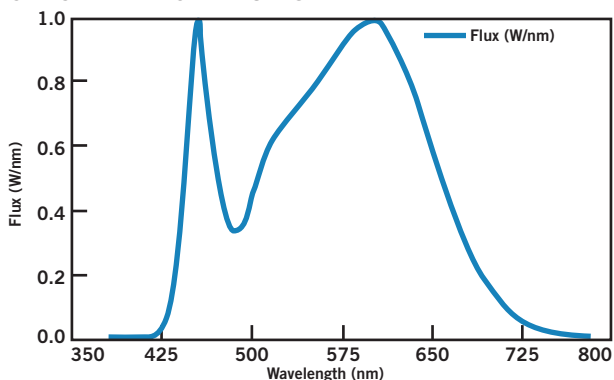
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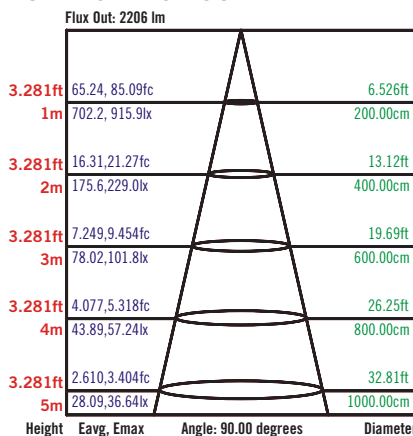
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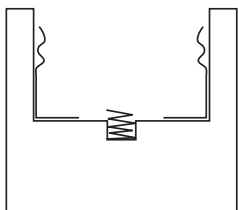
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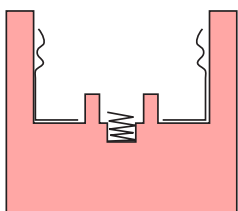
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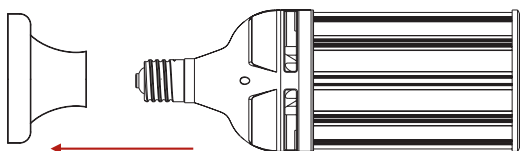
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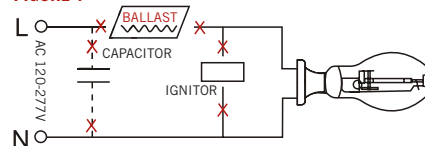
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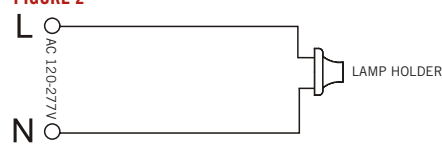
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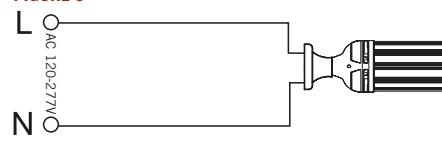
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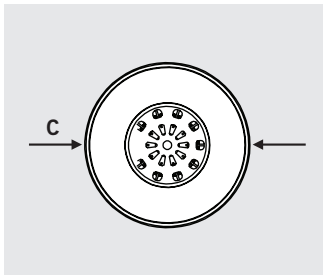
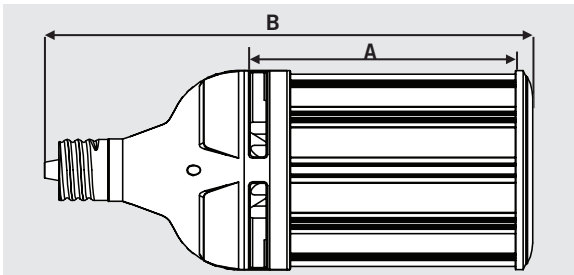
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