



KT-LED80HID-EX39-850-D

HID REPLACEMENT LED LAMP

rev.1

DESCRIPTION

80W HID Replacement LED Lamp | 5000K | >83 CRI | IP64 Rated



LAMP TYPE: HID Replacement LED

BASE TYPE: EX39 (Mogul)

WATTAGE: 80W

COLOR TEMPERATURE: 5000K

METAL HALIDE EQUIVALENT: 320W

COLOR RENDERING INDEX (CRI): >83

WARRANTY: 5 Years



PRODUCT FEATURES

- Replacement for Conventional Metal Halide Lamp
- 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
- Suitable for Use in Fully Enclosed Fixture
- Integral Driver, Eliminates the Need for External Driver or Ballast; 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

OPERATING SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

| Input Voltage | Power Consumption | Power Factor | Input Current |
|---------------|-------------------|--------------|------------------------------|
| 120-277Vac | 80W | >0.9 | 0.73A @ 120V 0.32A @ 277V |

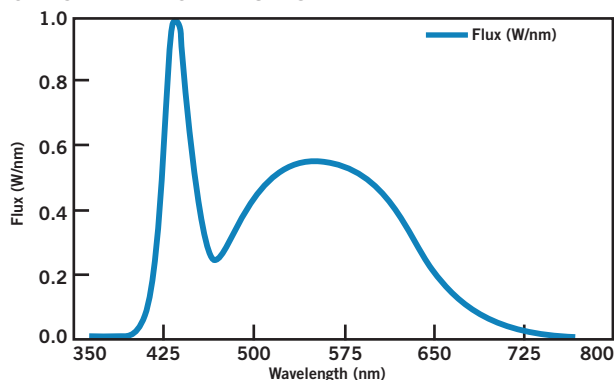
RATED LIFE

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

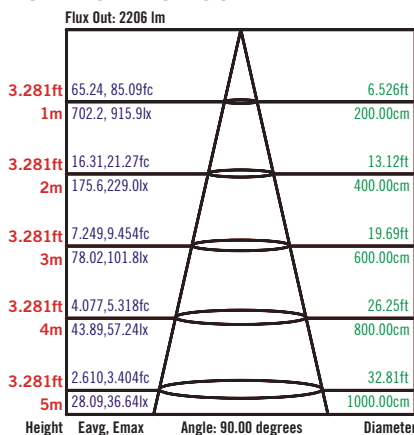
PHOTOMETRIC CHARACTERISTICS

| Color Temperature (CCT) | 5000K |
|-----------------------------|-----------|
| Luminous Flux | 11,300 lm |
| Color Rendering Index (CRI) | >83 |
| Efficacy | 141 lm/W |
| Visible Light Area | 360° |

SPECTRAL DISTRIBUTION



LUX DISTANCE CURVE



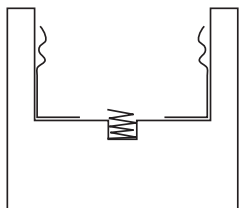
Note: The curves indicate the illuminated area and the average illumination when the luminaire is at a different distance.



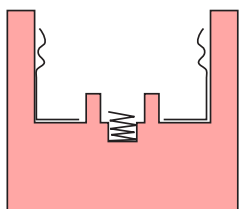
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E39 MOGUL SOCKET



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.

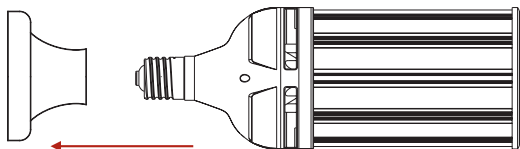


FIGURE 1

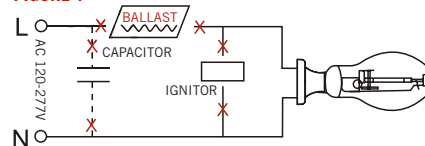


FIGURE 2

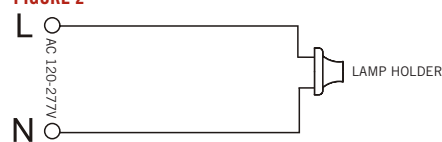
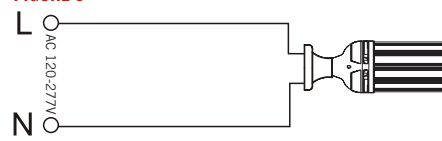
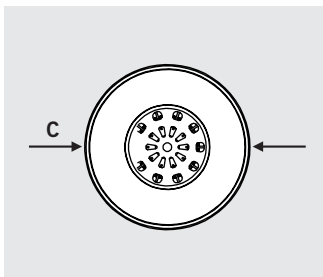
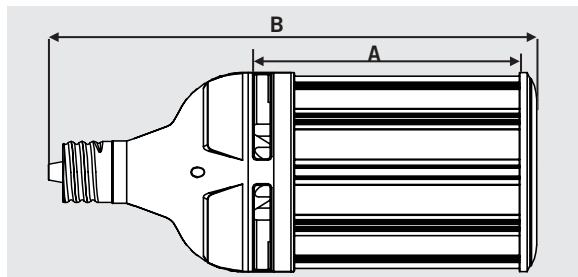


FIGURE 3



PHYSICAL CHARACTERISTICS



LAMP DIMENSIONS

| | |
|------------------------|-------|
| A (Illuminated Length) | 4.61" |
| B (Body Length) | 11.4" |
| C (Diameter) | 5.12" |

BASE TYPE: EX39 (Mogul)

ORDERING INFORMATION

| ORDER CODE | PACKAGING STYLE | PACK QTY. | ITEM STATUS |
|-----------------------------|---------------------------------------|-----------|-------------|
| KT-LED80HID-EX39-850-D rev1 | Distributor Pack (Individual Cartons) | 6 | Quick Ship |

CATALOG NUMBER BREAKDOWN

KT-LED80HID-EX39-850-D rev1

| | | | | | | | | |
|-----------------------|----------|---------|-----------|-----------|------------|-------------|---------------------|-------------------|
| Keystone Technologies | LED Lamp | Wattage | Lamp Type | Base Type | 800 Series | Color Temp. | Direct Drive Series | LED Chip Revision |
|-----------------------|----------|---------|-----------|-----------|------------|-------------|---------------------|-------------------|