KT-LED80HID-V-EX39-850-D /G2
HID REPLACEMENT LED LAMP

DESCRIPTION
80W HID Replacement LED Lamp | 5000K | >80 CRI | Vertical Light Direction

LAMP TYPE: HID Replacement LED
BASE TYPE: EX39 (Mogul)
WATTAGE: 80W
COLOR TEMPERATURE: 5000K

METAL HALIDE EQUIVALENT: 250W
COLOR RENDERING INDEX (CRI): >80
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
• Delivers approximately 5% uplight

• Suitable for use in fully enclosed fixture
• Integral driver, eliminates the need for external driver or ballast; Includes 4kV surge protection
• Operating temperature range: −30°C/−22°F to 60°C/140°F
• Exceeding 30°C/86°F in fully enclosed fixtures will engage active cooling and power de-rating to ensure full product lifetime
• Lamp top has a low-voltage AUX port for lamp level sensor controls

OPERATING SPECIFICATIONS

PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT) 5000K
Luminous Flux 10800 lm
Color Rendering Index (CRI) >80
Efficacy 135 lm/W
Visible Light Area 180°

ELECTRICAL CHARACTERISTICS

Input Voltage 120–277Vac
Power Consumption 80W
Power Factor >0.9
Input Current 0.67A @ 120V
0.29A @ 277V

SMART PORT LED COMPATIBLE
On the top of the lamp is a low-voltage AUX port for Smart Port LED sensors. See Accessories for available sensor options.

RATED LIFE
L70 (Hours) 50,000

POLAR CANDELA DISTRIBUTION

LUX DISTANCE CURVE

Flux Out: 6928 lm

1 m 677.6,2754 lx
2 m 169.4,6685 lx
3 m 75.29,3060 lx
4 m 42.35,1721 lx
5 m 27.10,1102 lx
6 m 18.82,7651 lx
7 m 13.83,5621 lx
8 m 10.59,4303 lx
9 m 8.36,3400 lx
10 m 6.77,2754 lx

Height Eavg,Emax Angle: 121.53° Diameter
357.34 cm 3573.37 cm
714.67 cm 169.4,6885 lx
1072.01 cm 8.36,3400 lx
1429.35 cm 6.77,2754 lx
1786.68 cm 13.83,5621 lx
2144.02 cm 10.59,4303 lx
2501.36 cm 18.82,7651 lx
2858.69 cm 27.10,1102 lx
3216.03 cm 42.35,1721 lx
3573.37 cm 75.29,3060 lx

Unit: cd
CO/180,121.6
C3/240,121.3
C6/270,121.9

Average Beam Angle (50%): 121.8°
Note: The curves indicate the illuminated area and the average illumination when the luminaire is at a different distance.

Specifications subject to change. Last revised on 10.30.19
WIRING INSTRUCTIONS

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.

EX39-based lamps will work in both E39 and EX39 sockets.
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HID REPLACEMENT LED LAMP

PHYSICAL CHARACTERISTICS

LAMP DIMENSIONS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Measurement</th>
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<tbody>
<tr>
<td>A (Body Length)</td>
<td>6.88&quot;</td>
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<tr>
<td>B (Diameter)</td>
<td>7.87&quot;</td>
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</table>

BASE TYPE: EX39 (Mogul)

ACCESSORIES (SOLD SEPARATELY)

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>KTS-MW1-12V-AUX</td>
<td>SmartPort LED Microwave Occupancy sensor: On/Off with adjustable standby dimming level; 12V input</td>
</tr>
<tr>
<td>KTS-PIR1-12V-AUX</td>
<td>SmartPort LED PIR Occupancy sensor: On/Off with adjustable standby dimming level; 12V input</td>
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<tr>
<td>KTS-PS1-12V-AUX</td>
<td>SmartPort LED Photocell: On/Off with adjustable daylight threshold and timing; 12V input</td>
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</table>

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>ORDER CODE</th>
<th>PACKAGING STYLE</th>
<th>PACK QTY.</th>
<th>ITEM STATUS</th>
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<tbody>
<tr>
<td>KT-LED80HID-V-EX39-850-D /G2-DP</td>
<td>Distributor Pack (Individual Cartons)</td>
<td>4</td>
<td>Quick Ship</td>
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</table>

CATALOG NUMBER BREAKDOWN

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1. Keystone Technologies
2. LED Lamp
3. Wattage
4. Lamp Type
5. Vertical Orientation
6. Base Type
7. 800 Series
8. Color Temperature
9. Direct-Drive Series
10. Second Generation