



# KT-LED80HID-H-EX39-830-D /G3

## HID REPLACEMENT LED LAMP

### DESCRIPTION

80W HID Replacement LED Lamp | 3000K | 85 CRI | IP64 Rated



**LAMP TYPE:** HID Replacement LED

**BASE TYPE:** EX39 (Mogul) Rotatable

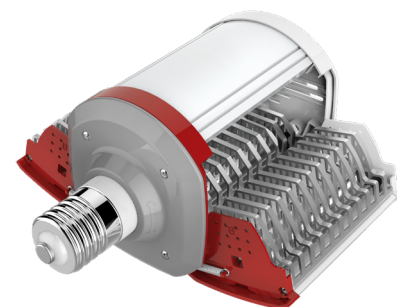
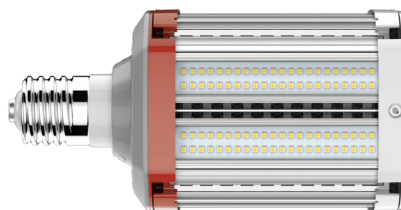
**WATTAGE:** 80W

**COLOR TEMPERATURE:** 3000K

**METAL HALIDE EQUIVALENT:** 250W/320W

**COLOR RENDERING INDEX (CRI):** 85

**WARRANTY:** 5 Years



### PRODUCT FEATURES

- Replacement for conventional metal halide lamp
- Ideal for shoebox and canopy retrofit applications
- 50,000+ hour lifetime
- Environmentally friendly: No mercury used
- Instant startup
- UL Listed; listed on DLC QPL
- Optimized for horizontal applications with directional light output from opening LED assembly construction
- Operating temperature:  $-30^{\circ}\text{C}$  to  $60^{\circ}\text{C}$  /  $-22^{\circ}\text{F}$  to  $140^{\circ}\text{F}$  in enclosed fixture.\*
- Exceeding  $30^{\circ}\text{C}$  /  $86^{\circ}\text{F}$  in fully enclosed fixtures will engage active cooling and power de-rating to ensure full product lifetime
- Integral driver, eliminates the need for external driver or ballast; includes 4kV surge protection
- IP64 Rated; integrated heat sink quickly dissipates heat and guides water intrusion out of the lamp
- Suitable for use in fully enclosed fixture. Minimum lamp compartment dimensions: 11in x 11in x 9.2in
- Do not use with standard dimmers. Not compatible with phase dimmers. Dimming functions with sensors only

\*Lamp may enter SmartCooling mode in order to optimize lamp performance when fixture environmental ambient temperature reaches  $35^{\circ}\text{C}$ – $45^{\circ}\text{C}$  /  $95^{\circ}\text{F}$ – $113^{\circ}\text{F}$ , depending on the fixture type. During this condition, lamp power consumption and lumen output may be regulated up to 20% less than standard operation.

### OPERATING SPECIFICATIONS

#### ELECTRICAL CHARACTERISTICS

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

#### RATED LIFE

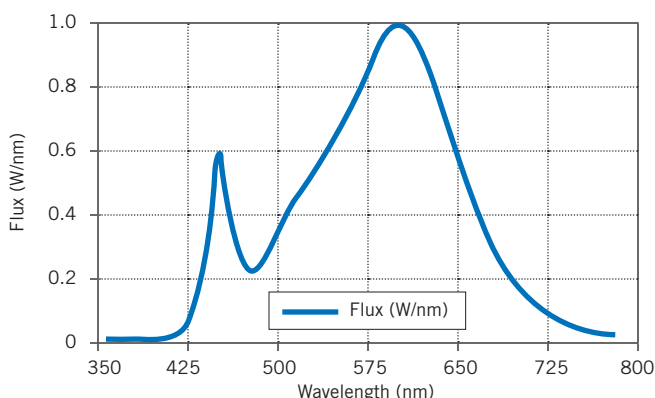
L70 (Hours)	50,000
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#### PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	3000K
Luminous Flux*	11200 lm
Color Rendering Index (CRI)	85
Efficacy	140 lm/W
Beam Angle	180°

\* Based off of total lamp lumens

#### SPECTRAL DISTRIBUTION



#### SMART PORT LED

Low voltage AUX port for Smart Port LED sensors.



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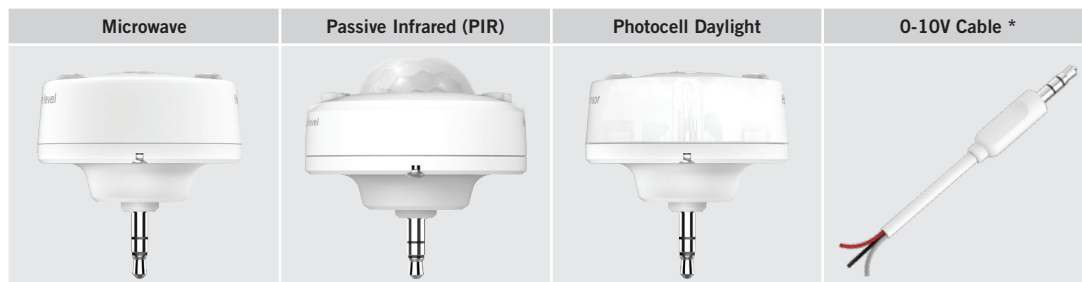
## HID REPLACEMENT LED LAMP

### SMART PORT LED



On the top of the lamp is a low-voltage AUX port for lamp level sensor controls.

### SMART PORT LED AUX SENSORS



\* For use with continuous dimming applications.

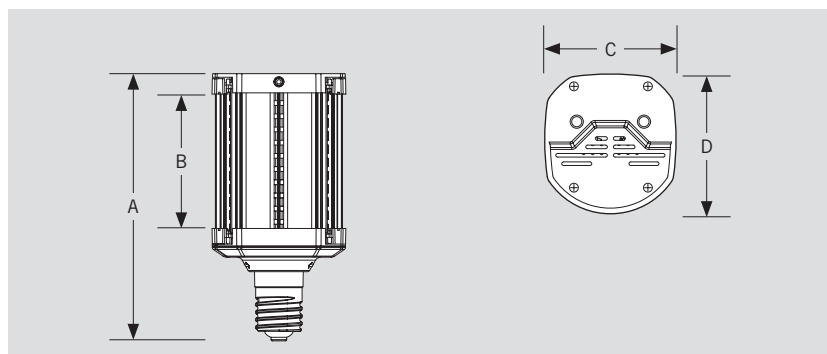
### PHYSICAL CHARACTERISTICS

#### LAMP DIMENSIONS

##### Wings Closed

A (Body Length)	8.76"
B (Illuminated Length)	4.50"
C (Width)	4.39"
D (Height)	4.66"

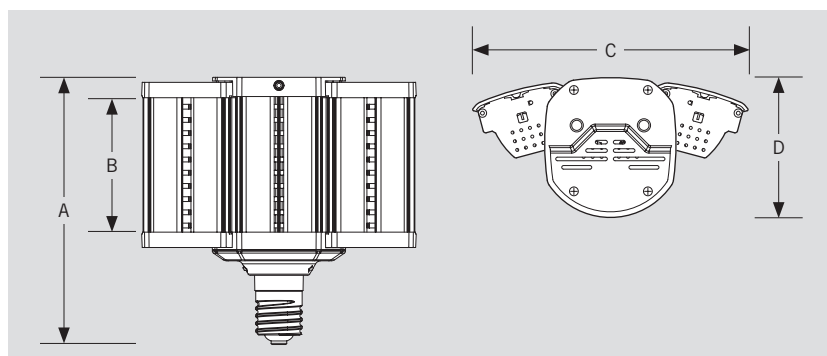
Base Type: EX39 (Mogul) Rotatable



##### Wings Open

A (Body Length)	8.76"
B (Illuminated Length)	4.50"
C (Width)	9.00"
D (Height)	4.66"

Base Type: EX39 (Mogul) Rotatable



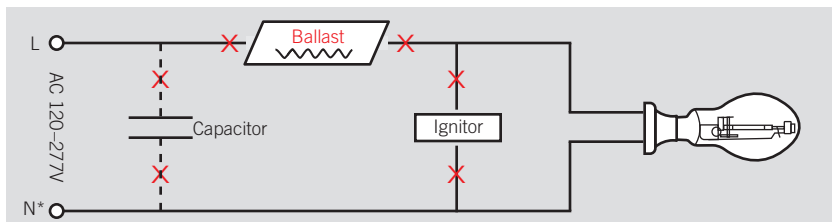
## KT-LED80HID-H-EX39-830-D /G3

### HID REPLACEMENT LED LAMP

#### WIRING INSTRUCTIONS

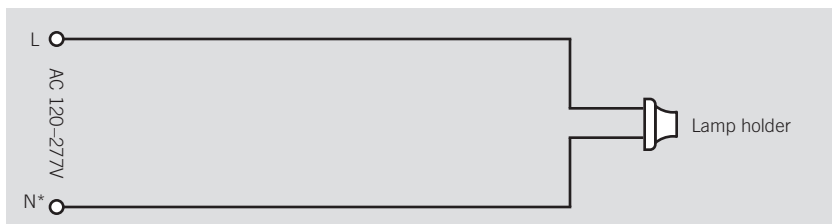
##### STEP 1

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



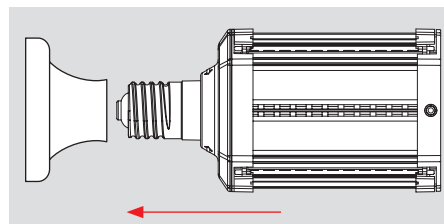
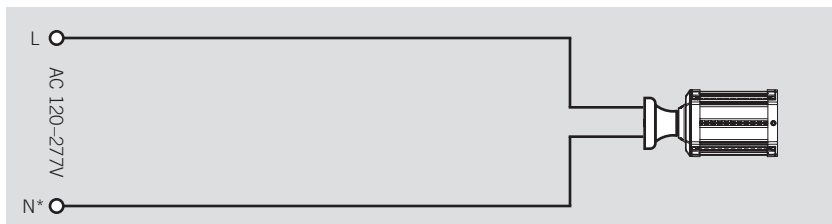
##### STEP 2

Rewire for line voltage to the lamp socket. Lamp is compatible with 120-277V from single phase, three phase wye, and three phase delta systems.



##### STEP 3

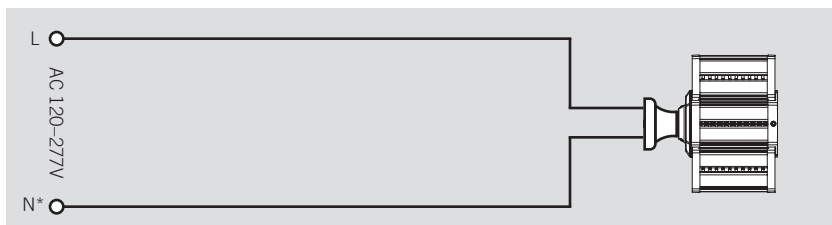
Install new LED replacement lamp. Ensure lamp is operating properly when power is turned on.



##### STEP 4

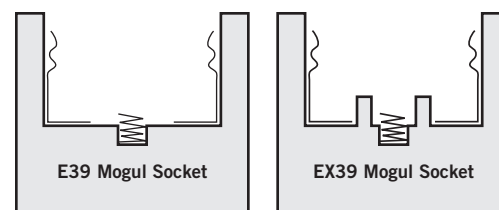
Rotate lamp base and open wings accordingly toward direction of desired lumination.

*Note:* The lamp will not illuminate until wings are open



\*or other line for certain three phase systems such as 120/208 three phase wye systems

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





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## HID REPLACEMENT LED LAMP

### OPTIONAL ACCESSORIES

CATALOG NUMBER	DESCRIPTION
KTS-MW1-12V-AUX	SmartPort LED Microwave Occupancy sensor. On/Off with adjustable standby dimming level. 12V input, 3.5mm standard AUX port connection method
KTS-PIR1-12V-AUX	SmartPort LED PIR Occupancy sensor. On/Off with adjustable standby dimming level. 12V input, 3.5mm standard AUX port connection method
KTS-PS1-12V-AUX	SmartPort LED Photocell. On/Off with adjustable daylight threshold and timing. 12V input, 3.5mm standard AUX port connection method

### ORDERING INFORMATION

ORDER CODE	PACK QTY.	EASY CODE	UPC
KT-LED80HID-H-EX39-830-D /G3-DP	16	TBD	843654123561

### CATALOG NUMBER BREAKDOWN

# KT-LED80HID-H-EX39-830-D /G3

1 2 3 4 5 6 7 8 9 10 11

- 1 Keystone Technologies
- 2 LED Lamp
- 3 Wattage
- 4 Lamp Type
- 5 Horizontal Orientation
- 6 Base Type
- 7 800 Series
- 8 Color Temperature
- 9 Direct Drive Series
- 10 Third Generation
- 11 Sensor Options

#### 11 Sensor Options

	No Option
/PIR	PIR Occupancy Sensor included
/MW	Microwave Occupancy Sensor included
/PS	Photocell Sensor Included