KEYSTONE
SINCE 1945
LIGHT MADE EASY®

DIRECT DRIVE HID LED

KT-LED80HID-H-EX39-840-D /G3
HID REPLACEMENT LED LAMP

DESCRIPTION

80W HID Replacement LED Lamp **I** 4000K **I** 85 CRI **I** IP64 Rated

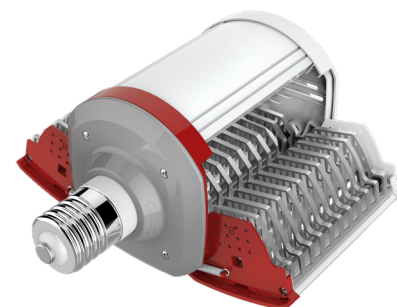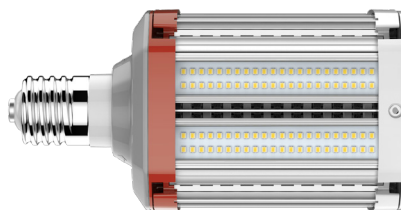|	
LAMP TYPE:	HID Replacement LED
BASE TYPE:	EX39 (Mogul) Rotatable
WATTAGE:	80W
COLOR TEMPERATURE:	4000K
METAL HALIDE EQUIVALENT:	250W/320W
COLOR RENDERING INDEX (CRI):	85
WARRANTY:	5 Years

NLB TRUSTED WARRANTY — NATIONAL LIGHTING BUREAU

c(UL)us LISTED

DLC QPL LISTED

RoHS Compliant

5 YEAR WARRANTY

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°C to 60°C / –22°F to 140°F in enclosed fixture.*

- Exceeding 30°C / 86°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°C–45°C / 95°F–113°F, depending on the fixture type. During this condition, lamp power consumption and lumen output may be regulated up 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

PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	4000K
Luminous Flux*	11600 lm
Color Rendering Index (CRI)	85
Efficacy	145 lm/W
Beam Angle	180°

* Based off of total lamp lumens

SPECTRAL DISTRIBUTION
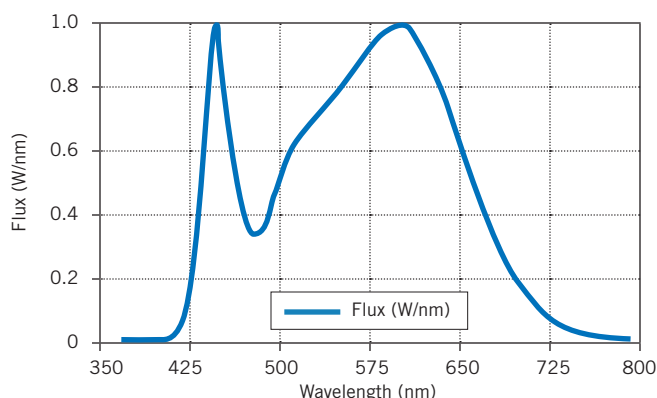
SMART PORT LED
Low voltage AUX port for Smart Port LED sensors.

Keystone Technologies • Philadelphia, PA • Phone (800) 464-2680 • **www.keystonetech.com**

Specifications subject to change. Last revised on 03.25.21

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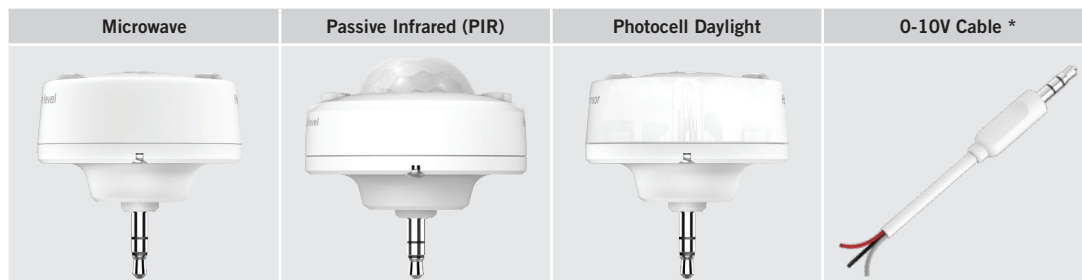
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SMART PORT LED

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

SMART PORT LED AUX SENSORS

Microwave	Passive Infrared (PIR)	Photocell Daylight	0-10V Cable *

* 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
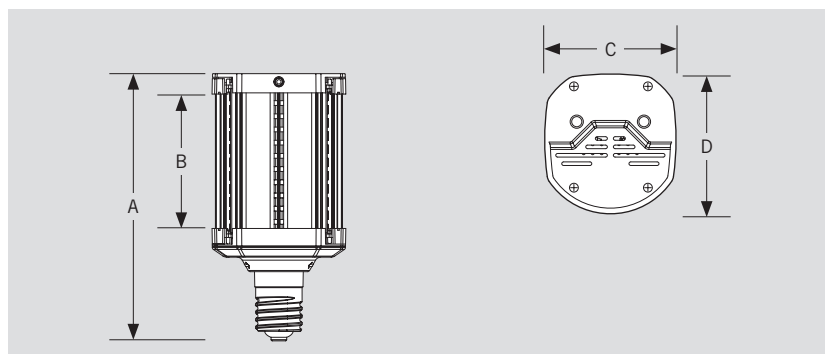
Wings Open

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

Base Type: EX39 (Mogul) Rotatable

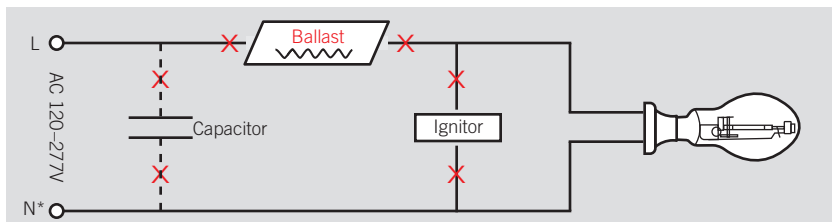**KEYSTONE**
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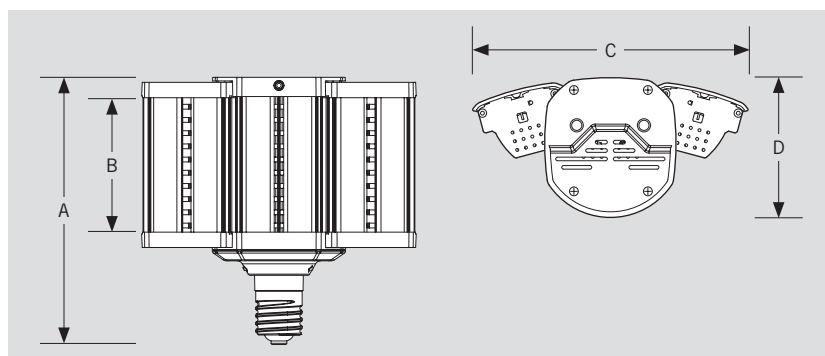
KT-LED80HID-H-EX39-840-D /G3
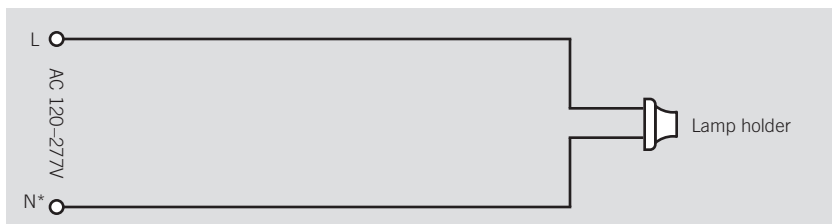## HID REPLACEMENT LED LAMP

WIRING INSTRUCTIONS

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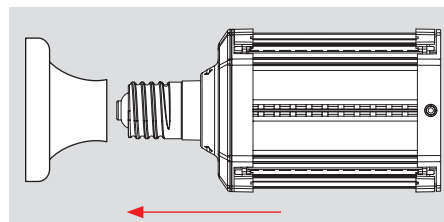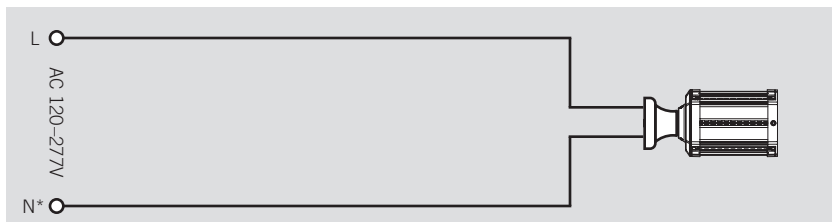

STEP 2
Rewire for line voltage to the lamp socket. Lamp is compatible with 120-277V from single phase, three phase wye, and three phase delta systems.
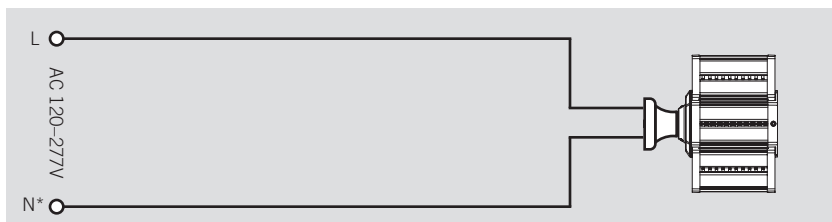

STEP 3
Install new LED replacement lamp. Ensure lamp is operating properly when power is turned on.
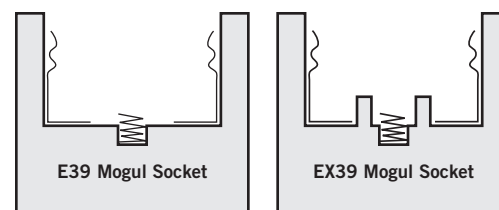

STEP 4
Rotate lamp base and open wings accordingly toward direction of desired lumination.
Note: The lamp will not illuminate until wings are open

*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.

E39 Mogul Socket   **EX39 Mogul Socket**

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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-EX39-840-D /G3-DP	16	GYT-17	843654123578

CATALOG NUMBER BREAKDOWN

KT-LED80HID-H-EX39-840-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