KEYSTONE
SINCE 1945
LIGHT MADE EASY™

DIRECT DRIVE HID LED

KT-LED80HID-EX39-840-D /G2
HID REPLACEMENT LED LAMP

DESCRIPTION

80W HID Replacement LED Lamp I 4000K I >80 CRI

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

NLB TRUSTED WARRANTY | DLC LISTED | c UL us LISTED | RoHS Compliant | 5 YEAR WARRANTY

PRODUCT FEATURES

- Replacement for conventional metal halide lamp
- 50,000+ hour lifetime
- Environmentally friendly: no mercury used
- Instant startup
- UL Listed, DLC Listed
- Operating temperature range: −30ºC to 60ºC / −22ºF to 140ºF.
- Exceeding 30°C / 86°F in fully enclosed fixtures will engage active cooling and power de-rating to ensure full product lifetime
- Active cooling technology: When internal thermal sensor is engaged, lamp power reduces to 80% of max; when sensor cools, lamp powers back up to 100% rated power

- 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
- Lamp includes safety tether for additional security when installing lamp in luminaire
- Suitable for use in fully enclosed fixture. Minimum lamp compartment dimensions: 9.8in x 9.8in x 10.9in
- Do not use with standard dimmers. Not compatible with phase dimmers. Dimming functions with sensors only

OPERATING SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

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

PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	4000K
Luminous Flux*	11,850 lm
Color Rendering Index (CRI)	>80
Efficacy	148 lm/W
Visible Light Area	360º

* Based off of total lamp lumens

RATED LIFE

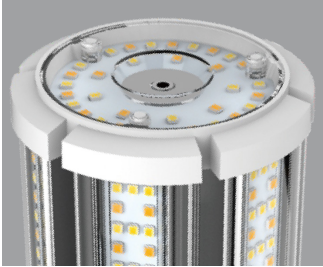|	
L70 (Hours)	50,000

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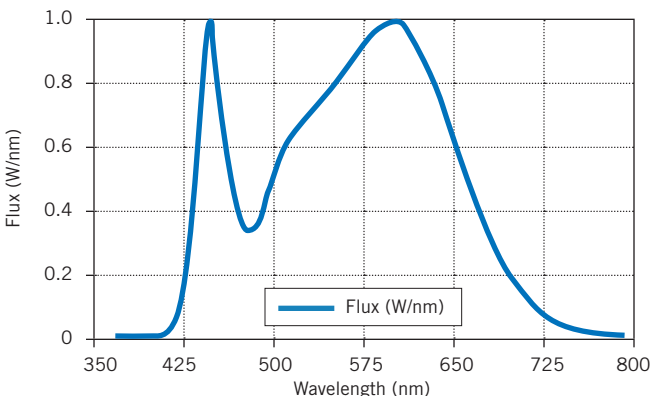
SMART PORT LED COMPATIBLE
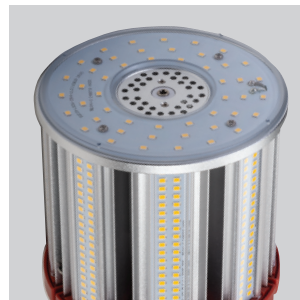
On the top of the lamp is a low-voltage AUX port for Smart Port LED sensors. See *Accessories* for available sensor options.

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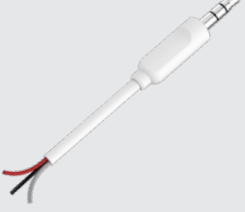## KT-LED80HID-EX39-840-D /G2
HID REPLACEMENT LED LAMP

SMART PORT LED

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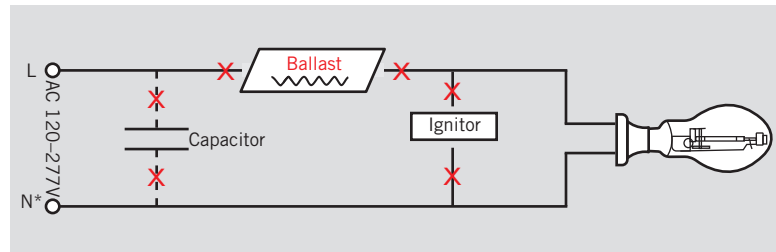
SMART PORT LED AUX SENSORS

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

* For use with continuous dimming applications.

WIRING INSTRUCTIONS

STEP 1
Disconnect power. Disconnect and remove existing ballast, capacitor, and/or ignitor (where applicable) from fixture.
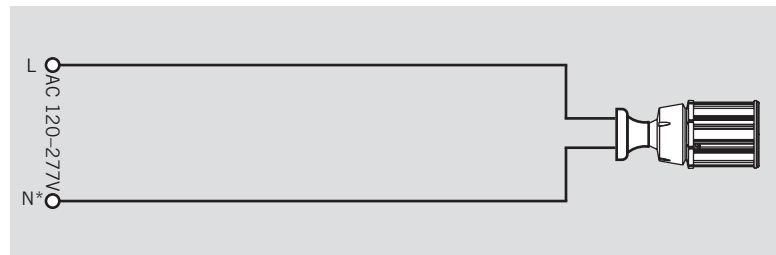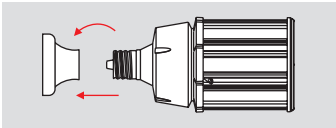
L — AC 120–277V — N*
Ballast
Capacitor
Ignitor

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.
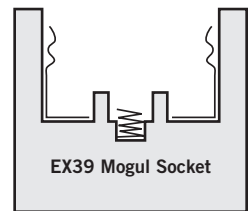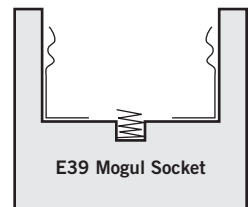
L — AC 120–277V — N*
Lamp holder
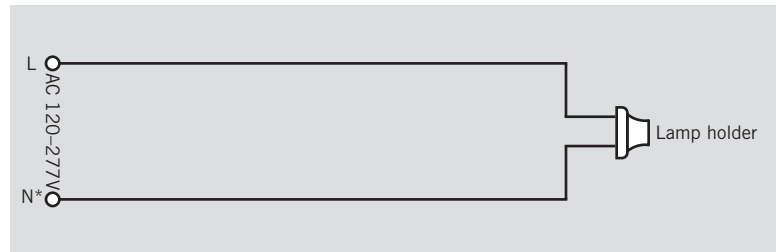
STEP 3
Install new LED replacement lamp. Ensure lamp is operating properly when power is turned on.

L — AC 120–277V — N*

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

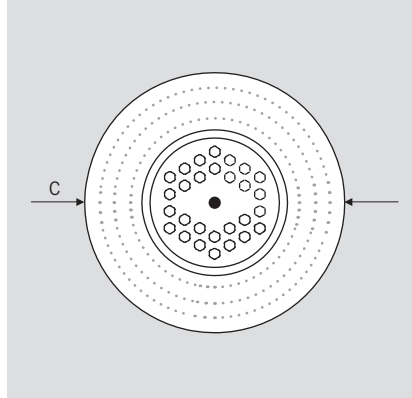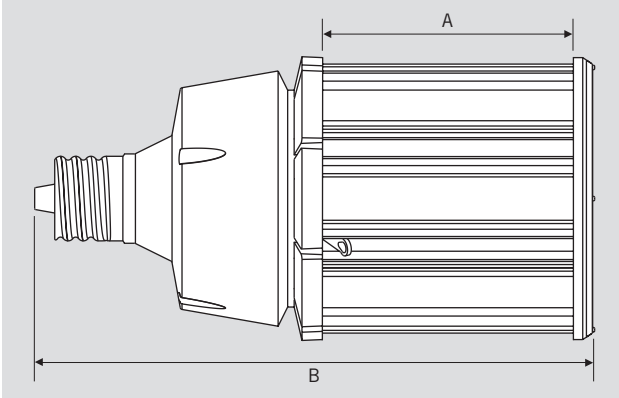**EX39-based lamps** will work in *both* **E39** and **EX39** sockets.

E39 Mogul Socket

EX39 Mogul Socket

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PHYSICAL CHARACTERISTICS

LAMP DIMENSIONS

A (Illuminated Length)	4.00"
B (Body Length)	9.72"
C (Diameter)	5.12"

BASE TYPE: EX39 (Mogul)

ACCESSORIES (SOLD SEPARATELY)

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

ORDERING INFORMATION

ORDER CODE	PACK QTY.	EASY CODE	UPC
KT-LED80HID-EX39-840-D /G2-DP	16	VKX-89	843654121192

CATALOG NUMBER BREAKDOWN

KT-LED80HID-EX39-840-D /G2
1 2 3 4 5 6 7 8 9 10

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

10 **Sensor Options**

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