SINCE 1945 KEYSTONE LIGHT MADE EASY™

DIRECT DRIVE HID LED

KT-LED100HID-EX39-850-D /G2

HID REPLACEMENT LED LAMP

DESCRIPTION

100W HID Replacement LED Lamp | 5000K | >80 CRI

RoHS Compliant

5 YEAR WARRANTY

LAMP TYPE: HID Replacement LED
BASE TYPE: EX39 (Mogul)
WATTAGE: 100W
COLOR TEMPERATURE: 5000K
METAL HALIDE EQUIVALENT: 400W
COLOR RENDERING INDEX (CRI): >80
WARRANTY: 5 Years

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 11.5in
- 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	100W	>0.9	0.93A @ 120V 0.40A @ 277V

PHOTOMETRIC CHARACTERISTICS

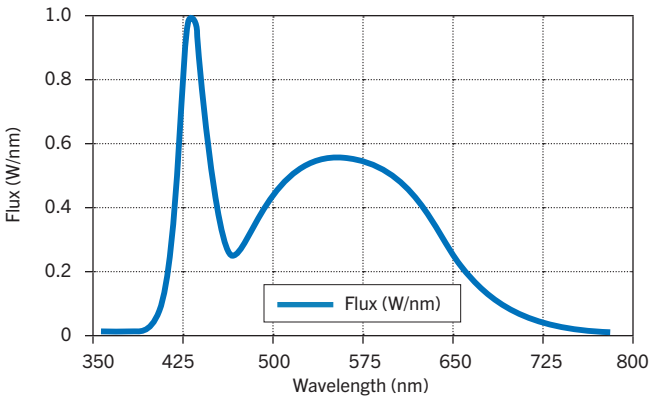
Color Temperature (CCT)	5000K
Luminous Flux*	15,000 lm
Color Rendering Index (CRI)	>80
Efficacy	150 lm/W
Visible Light Area	360º

* 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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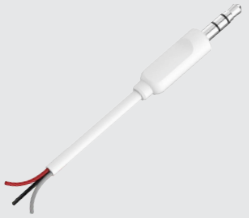
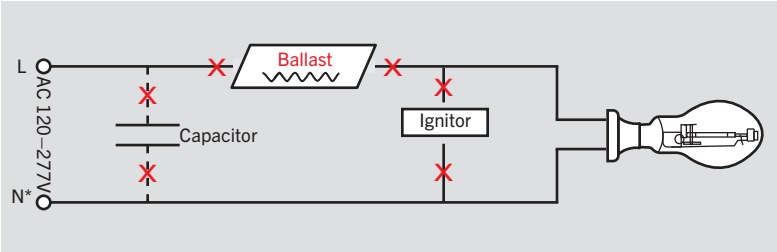
SMART PORT LED AUX SENSORS

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

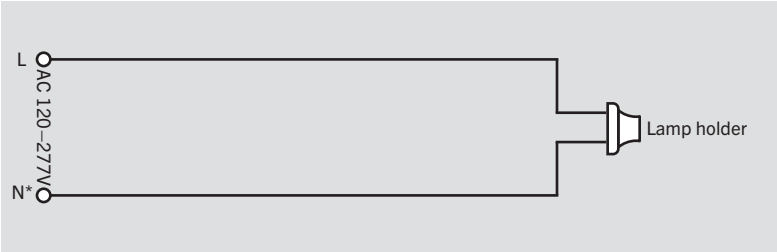
* For use with continuous dimming applications.

WIRING INSTRUCTIONS

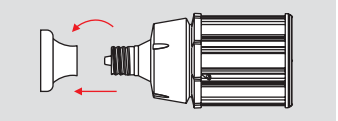
STEP 1
Disconnect power. Disconnect and remove existing ballast, capacitor, and/or ignitor (where applicable) from fixture.

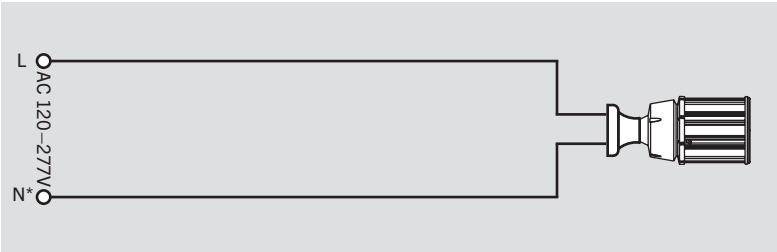


STEP 2
Rewire for line voltage to the lamp socket. Lamp is compatible with 120-277V from single phase, three phase wye, and three phase delta systems.



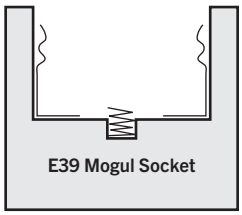
STEP 3
Install new LED replacement lamp. Ensure lamp is operating properly when power is turned on.

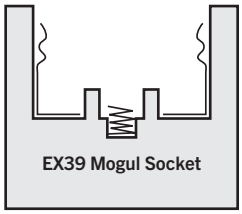




*or other line for certain three phase systems such as 120/208 three phase wye systems

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





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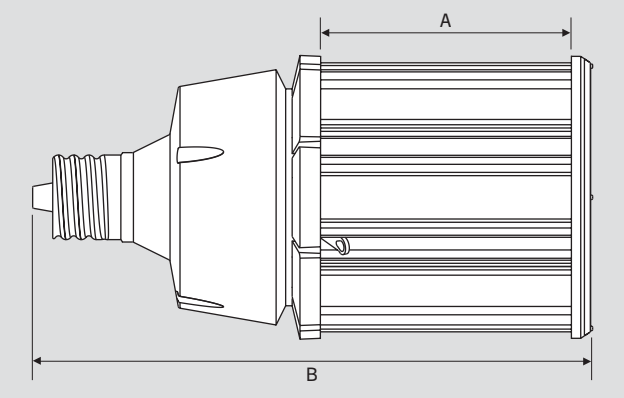
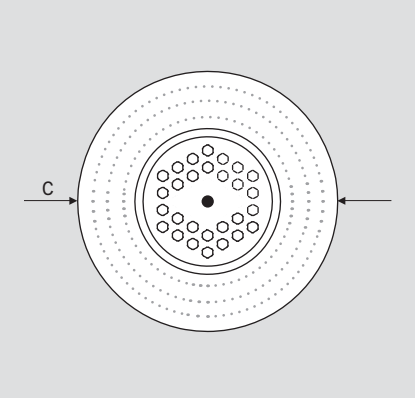
PHYSICAL CHARACTERISTICS





LAMP DIMENSIONS

A (Illuminated Length)	4.50"
B (Body Length)	10.32"
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	DLC PRODUCT ID
KT-LED100HID-EX39-850-D /G2-DP	16	YLH-82	843654121239	PLKCKO2WX133

CATALOG NUMBER BREAKDOWN

KT-LED100HID-EX39-850-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
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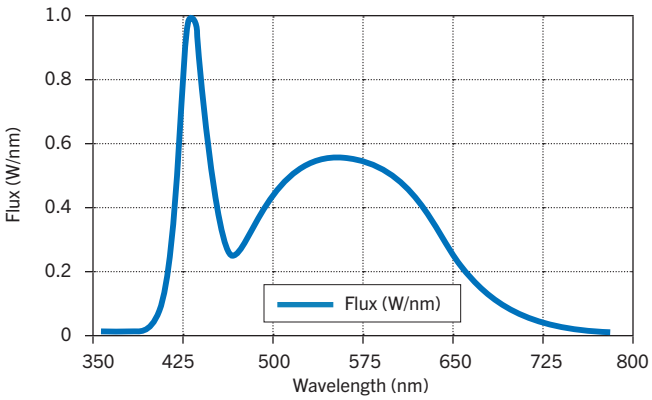

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			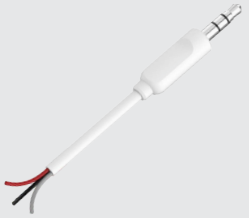

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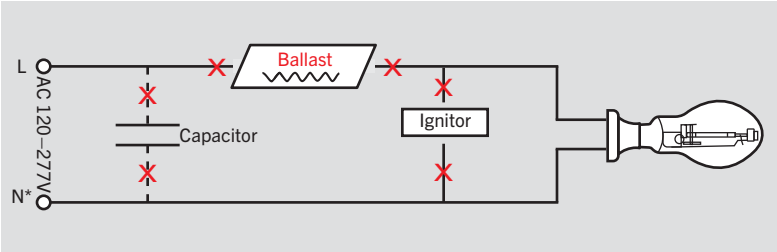

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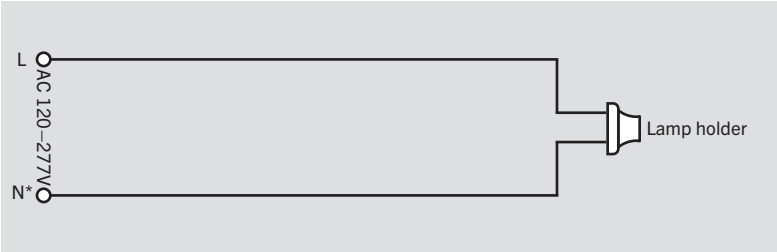

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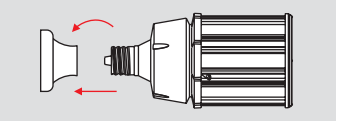

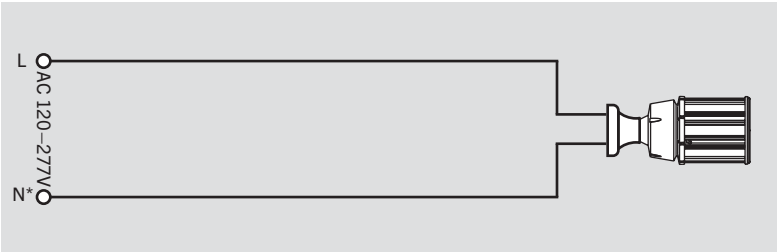

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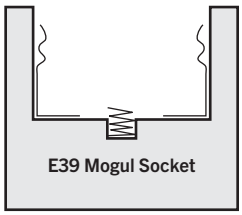

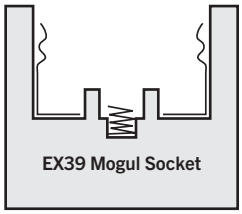

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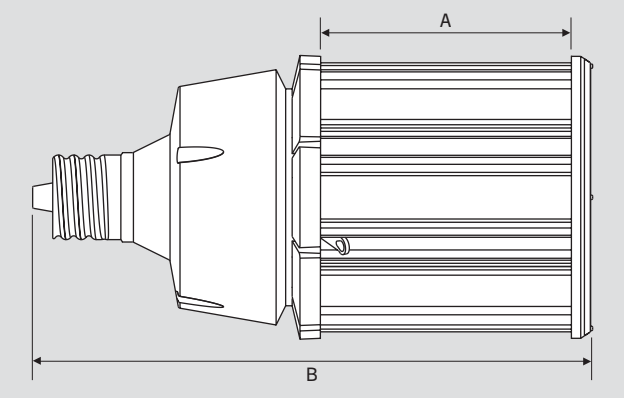

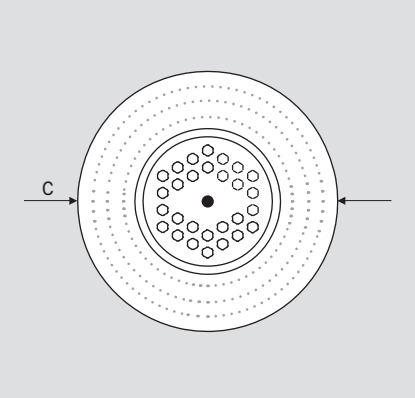

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