SINCE 1945 KEYSTONE LIGHT MADE EASY

DIRECT DRIVE HID LED

KT-LED110HID-H-EX39-8XX-D /G3

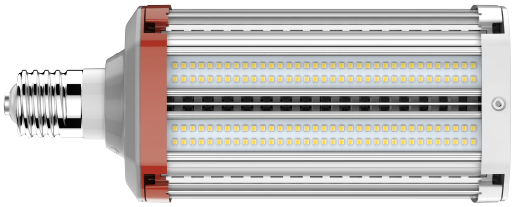
HID REPLACEMENT LED LAMP

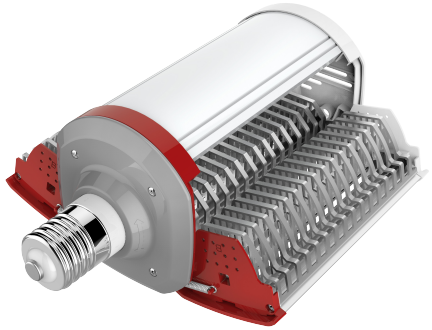
DESCRIPTION

110W HID Replacement LED Lamp | 3000–5000K | 85 CRI | IP64 Rated

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

- **LAMP TYPE:** HID Replacement LED
- **BASE TYPE:** EX39 (Mogul) Rotatable
- **WATTAGE:** 110W
- **COLOR TEMPERATURE:** 3000–5000K
- **METAL HALIDE EQUIVALENT:** 400W
- **COLOR RENDERING INDEX (CRI):** 85
- **WARRANTY:** 5 Years





PRODUCT FEATURES

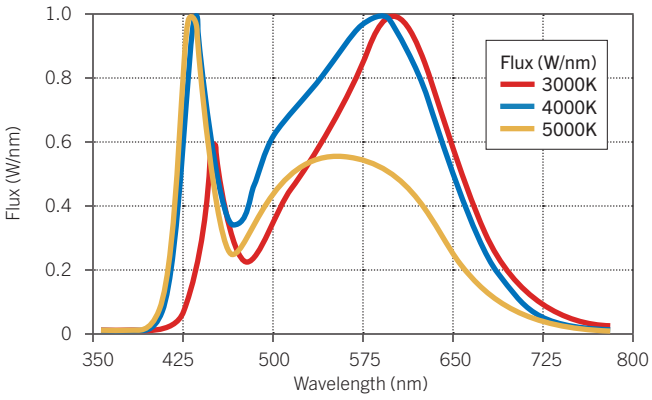
- Replacement for conventional metal halide lamp
- Ideal for shoebox and canopy retrofit applications
- 50,000+ hour lifetime
- Environmentally friendly: No mercury used
- Instant startup
- UL Listed; listed on DLC QPL
- Optimized for horizontal applications with directional light output from opening LED assembly construction
- Operating temperature: –30°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
- 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 35ºC–45ºC / 95ºF–113ºF, depending on the fixture type. During this condition, lamp power consumption and lumen output may be regulated up 20% less than standard operation.

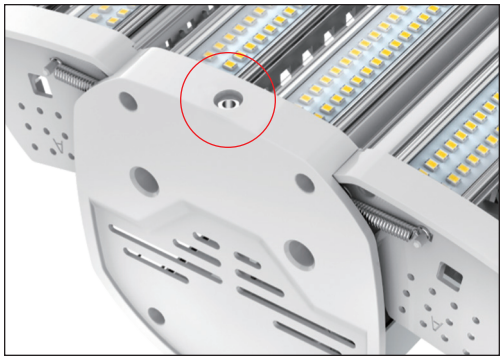
ELECTRICAL AND PERFORMANCE SPECIFICATIONS

Catalog Number	Input Voltage	Power Consumption	Color Temperature (CCT)	Luminous Flux	Efficacy	Beam Angle	Power Factor	Input Current	Rated Life
KT-LED110HID-H-EX39-830-D /G3	120–277 Vac	110W	3000K	15,400 lm	120 lm/W	240º	>0.9	0.92A @ 120V 0.40A @ 277V	L70 (Hours) 50,000
KT-LED110HID-H-EX39-840-D /G3			4000K	15,950 lm	120 lm/W				
KT-LED110HID-H-EX39-850-D /G3			5000K	16,500 lm	125 lm/W				

SPECTRAL DISTRIBUTION



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



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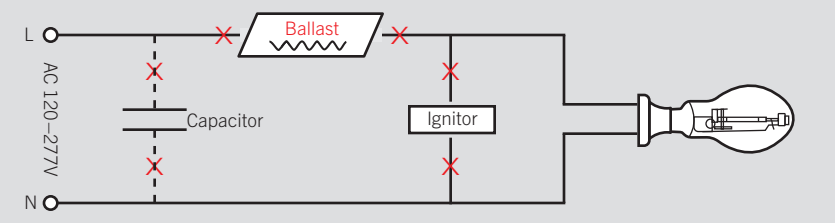
WIRING INSTRUCTIONS

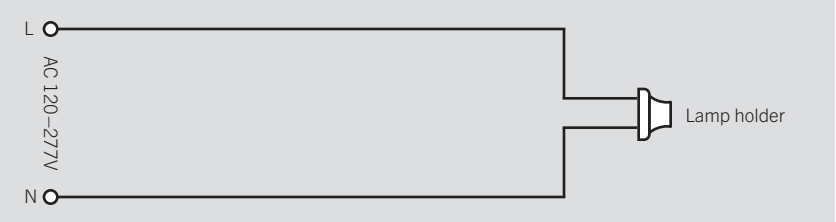
STEP 1

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



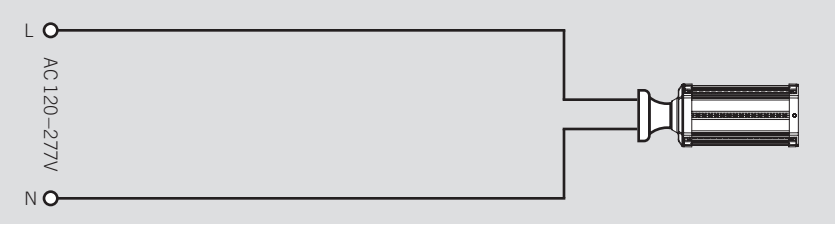
STEP 2

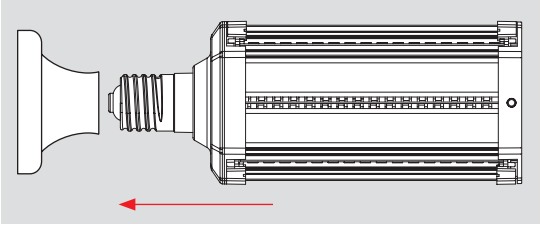
Rewire for line voltage to the lamp socket.



STEP 3

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

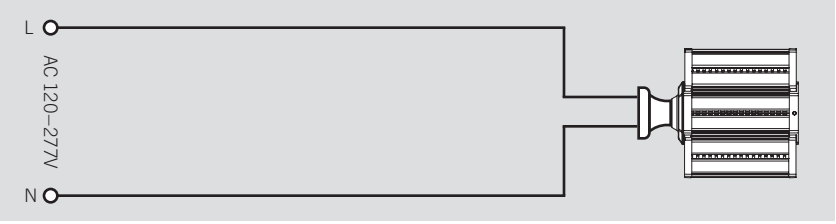




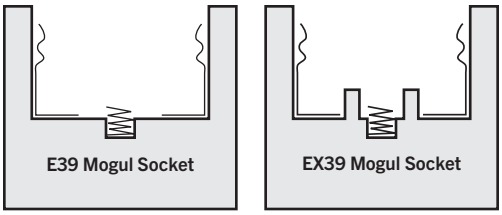
STEP 4

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

Note: The lamp will not illuminate until wings are open



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



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HID REPLACEMENT LED LAMP

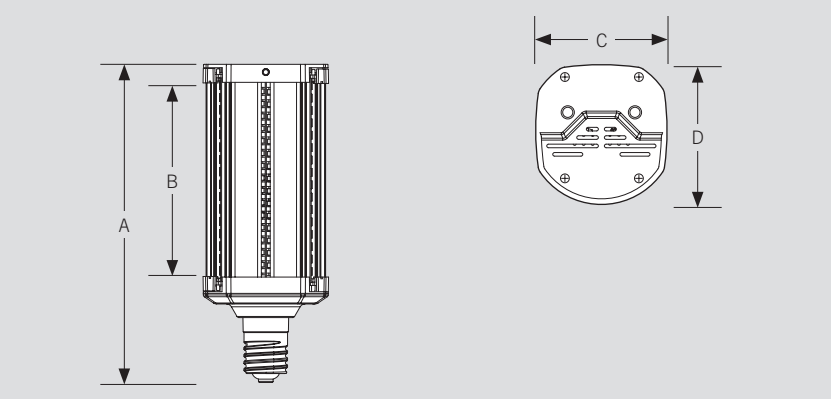
PHYSICAL CHARACTERISTICS

LAMP DIMENSIONS

Wings Closed

A (Body Length)	11.13"
B (Illuminated Length)	6.83"
C (Width)	4.39"
D (Height)	4.66"

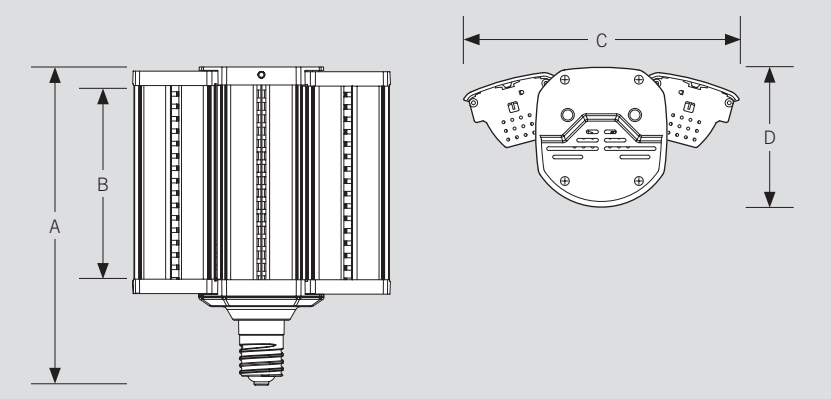
Base Type: EX39 (Mogul) Rotatable



Wings Open

A (Body Length)	11.13"
B (Illuminated Length)	6.83"
C (Width)	9.02"
D (Height)	4.66"

Base Type: EX39 (Mogul) Rotatable



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	DLC PRODUCT ID
KT-LED110HID-H-EX39-830-D /G3-DP	16	TBD	843654123592	PY3BX6FR
KT-LED110HID-H-EX39-840-D /G3-DP	16	IBS-66	843654123608	PFNBN8ZH
KT-LED110HID-H-EX39-850-D /G3-DP	16	IJS-89	843654123615	P4077TH9

CATALOG NUMBER BREAKDOWN

KT-LED110HID-H-EX39-8XX-D /G3

1 2 3 4 5 6 7 8 9 10

1 **Keystone Technologies**
2 **LED Lamp**
3 **Wattage**
4 **Lamp Type**
5 **Horizontal Orientation**
6 **Base Type**
7 **80 CRI**
8 **Color Temperature**
9 **Direct Drive Series**
10 **Third Generation**