KEYSTONE
SINCE 1945
LIGHT MADE EASY

DIRECT DRIVE HID LED

KT-LED45HID-EX39-830-D /G3
HID REPLACEMENT LED LAMP

DESCRIPTION

45W HID Replacement LED Lamp **|** 3000K **|** > 80 CRI **|** IP64 Rated

c(UL)us LISTED · DLC LISTED · RoHS Compliant · TRUSTED WARRANTY NLB NATIONAL LIGHTING BUREAU · 5 YEAR WARRANTY

LAMP TYPE: HID Replacement LED	
BASE TYPE: EX39 (Mogul)	
WATTAGE: 45W	
COLOR TEMPERATURE: 3000K	
METAL HALIDE EQUIVALENT: 175W	
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: −29ºC / −20ºF to 60ºC/140ºF

- Suitable for use in fully enclosed fixture
- 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
- 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	45W	>0.9	0.38A @ 120V 0.16A @ 277V

RATED LIFE

L70 (Hours)	50,000

PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	3000K
Luminous Flux*	6300 lm
Color Rendering Index (CRI)	>80
Efficacy	140 lm/W
Visible Light Area	360º

* Based off of total lamp lumens

SMART PORT
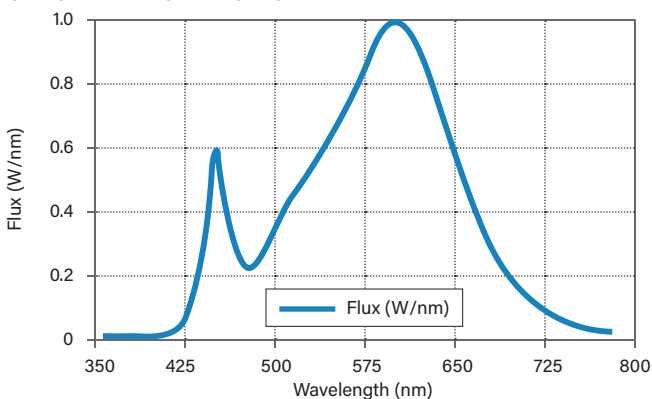
On the top of the lamp is a low-voltage AUX port for lamp level sensor controls which are coming soon, Q2+ 2019.
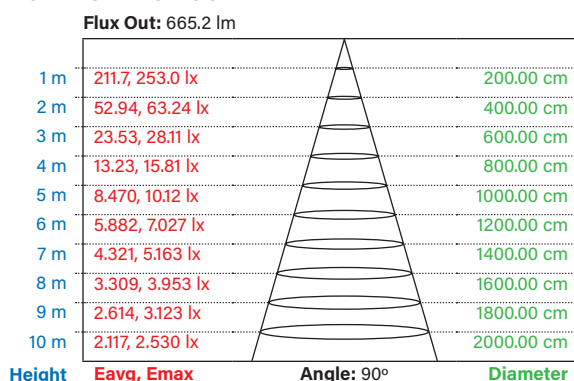
SPECTRAL DISTRIBUTION

X-axis: Wavelength (nm), Y-axis: Flux (W/nm). Legend: Flux (W/nm)

LUX DISTANCE CURVE

Flux Out: 665.2 lm

Height	Eavg, Emax	Angle: 90º	Diameter
1 m	211.7, 253.0 lx		200.00 cm
2 m	52.94, 63.24 lx		400.00 cm
3 m	23.53, 28.11 lx		600.00 cm
4 m	13.23, 15.81 lx		800.00 cm
5 m	8.470, 10.12 lx		1000.00 cm
6 m	5.882, 7.027 lx		1200.00 cm
7 m	4.321, 5.163 lx		1400.00 cm
8 m	3.309, 3.953 lx		1600.00 cm
9 m	2.614, 3.123 lx		1800.00 cm
10 m	2.117, 2.530 lx		2000.00 cm

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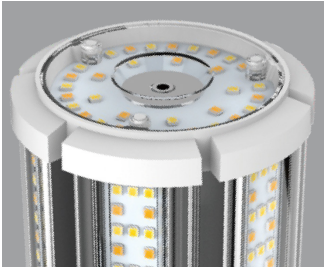LIGHT MADE EASY

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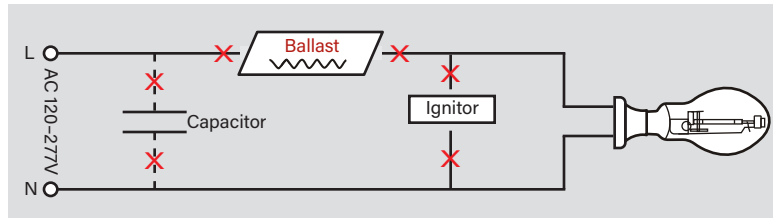
SMART PORT LED AUX SENSORS

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.
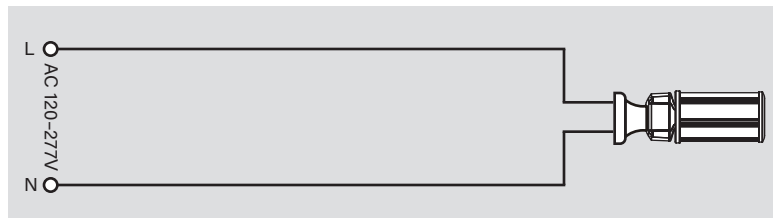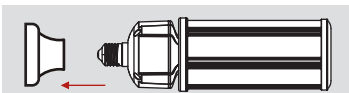
L
AC 120–277V
N
Ballast
Capacitor
Ignitor

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

STEP 2
Rewire for line voltage to the lamp socket.

L
AC 120–277V
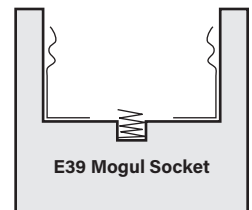N
Lamp holder

E39 Mogul Socket

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

L
AC 120–277V
N

EX39 Mogul Socket

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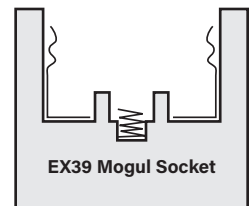
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PHYSICAL CHARACTERISTICS
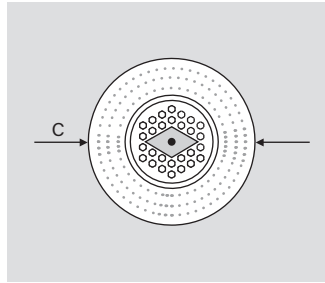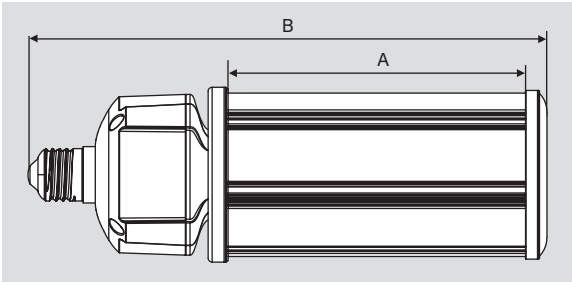
LAMP DIMENSIONS

A (Illuminated Length)	5.07"
B (Body Length)	9.80"
C (Diameter)	3.34"

BASE TYPE: EX39 (Mogul)

ORDERING INFORMATION

ORDER CODE	PACK QTY.	UPC	EASY CODE	DLC PRODUCT ID
KT-LED45HID-EX39-830-D /G3	12	843654123097	SZQ-23	PSIUA6VM

CATALOG NUMBER BREAKDOWN

KT-LED45HID-EX39-830-D /G3
1 — 2 — 3 — 4 — 5 — 6 — 7 — 8 — 9

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 Generation