KEYSTONE
SINCE 1945
LIGHT MADE EASY™

SMARTDRIVE® HID LED

KT-LED80HID-V-EX39-850-D /G2
HID REPLACEMENT LED LAMP

DESCRIPTION

80W HID Replacement LED Lamp I 5000K I >80 CRI I Vertical Light Direction

DLC LISTED | cULus LISTED | RoHS Compliant | 5YEAR WARRANTY

LAMP TYPE: HID Replacement LED		**METAL HALIDE EQUIVALENT:** 250W	
BASE TYPE: EX39 (Mogul)		**COLOR RENDERING INDEX (CRI):** >80	
WATTAGE: 80W		**WARRANTY:** 5 Years	
COLOR TEMPERATURE: 5000K			

PRODUCT FEATURES

- Replacement for conventional metal halide lamp
- Non-dimmable; Do not dim
- 50,000+ hour lifetime
- Environmentally friendly: No mercury used
- Instant startup
- UL listed
- Delivers approximately 5% uplight

- Suitable for use in fully enclosed fixture
- Integral driver, eliminates the need for external driver or ballast; Includes 4kV surge protection
- Operating temperature range: –30°C/–22°F to 60°C/140°F
- Exceeding 30°C/86°F in fully enclosed fixtures will engage active cooling and power de-rating to ensure full product lifetime
- Lamp top has a low-voltage AUX port for lamp level sensor controls

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)	5000K
Luminous Flux	10800 lm
Color Rendering Index (CRI)	>80
Efficacy	135 lm/W
Visible Light Area	180º

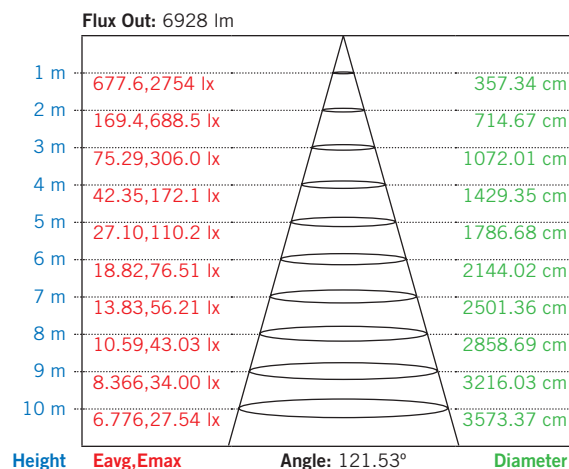### SMART PORT LED COMPATIBLE
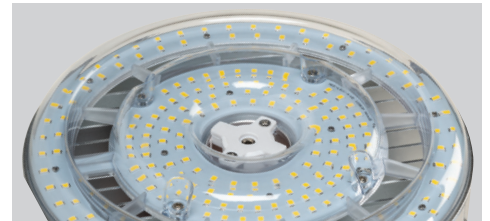
On the top of the lamp is a low-voltage AUX port for Smart Port LED sensors.
See *Accessories* for available sensor options.

POLAR CANDELA DISTRIBUTION

Average Beam Angle (50%): 121.8º

Unit: cd
C0/180,121.6
C30/210,122.3
C60/240,121.3
C90/270,121.9

LUX DISTANCE CURVE

Flux Out: 6928 lm

Height	Eavg,Emax	Angle: 121.53º	Diameter
1 m	677.6,2754 lx		357.34 cm
2 m	169.4,688.5 lx		714.67 cm
3 m	75.29,306.0 lx		1072.01 cm
4 m	42.35,172.1 lx		1429.35 cm
5 m	27.10,110.2 lx		1786.68 cm
6 m	18.82,76.51 lx		2144.02 cm
7 m	13.83,56.21 lx		2501.36 cm
8 m	10.59,43.03 lx		2858.69 cm
9 m	8.366,34.00 lx		3216.03 cm
10 m	6.776,27.54 lx		3573.37 cm
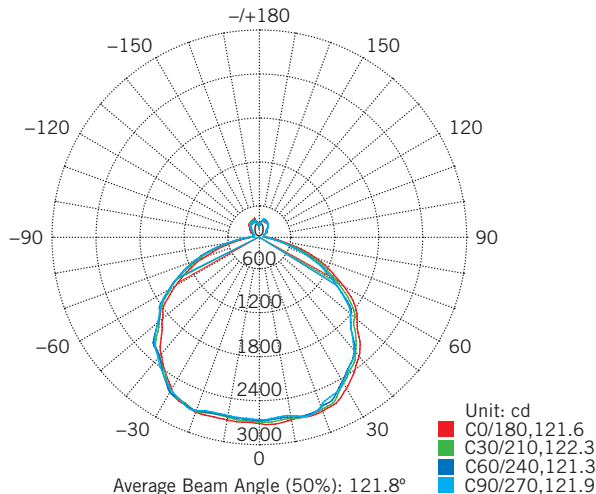
Note: The curves indicate the illuminated area and the average illumination when the luminaire is at a different distance.
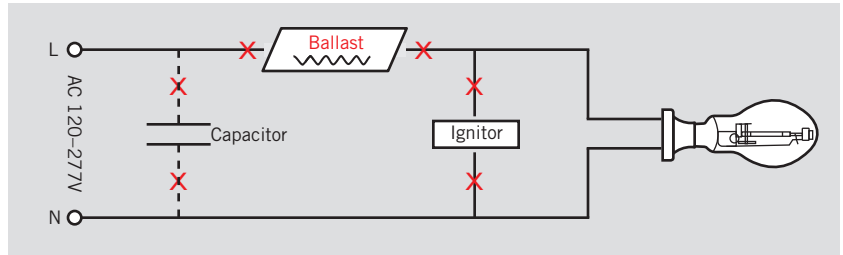
KT-LED80HID-V-EX39-850-D /G2
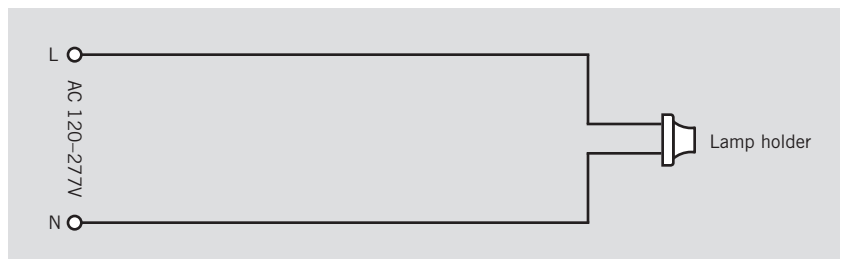## HID REPLACEMENT LED LAMP

WIRING INSTRUCTIONS

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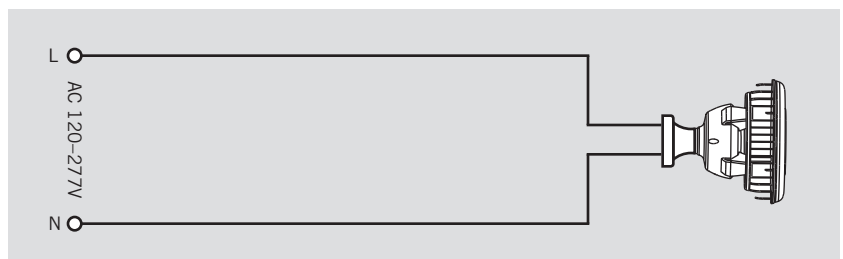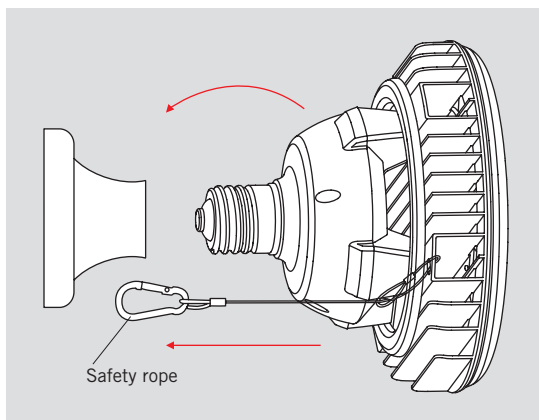

STEP 2
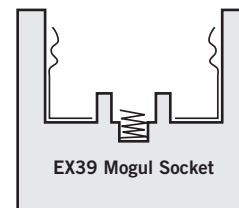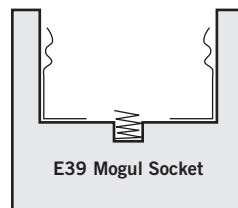Rewire for line voltage to the lamp socket.

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

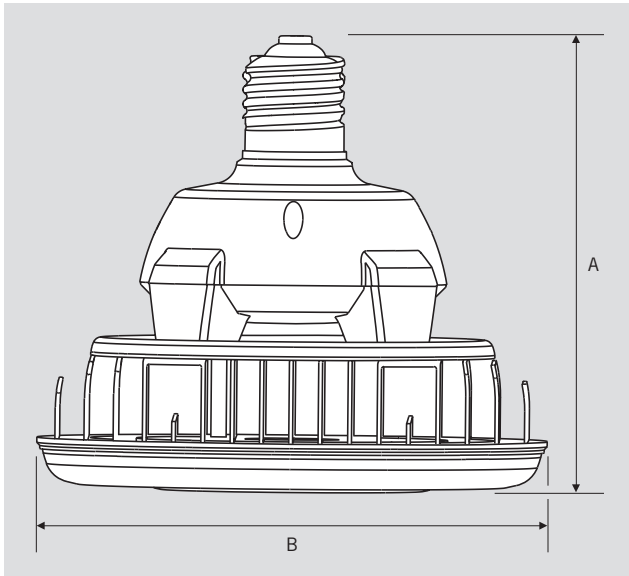Safety rope

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 (Body Length)	6.88"
B (Diameter)	7.87"

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	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KT-LED80HID-V-EX39-850-D /G2-DP	Distributor Pack (Individual Cartons)	4	Quick Ship

CATALOG NUMBER BREAKDOWN

KT-LED80HID-V-EX39-850-D /G2

1   2   3   4   5   6   7   8   9   10

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