KT-LED100HID-EX39-840-D

HID REPLACEMENT LED LAMP

rev.1

DESCRIPTION

100W HID Replacement LED Lamp **I** 4000K **I** >83 CRI **I** IP64 Rated

LAMP TYPE:	HID Replacement LED
BASE TYPE:	EX39 (Mogul)
WATTAGE:	100W
COLOR TEMPERATURE:	4000K
METAL HALIDE EQUIVALENT:	400W
COLOR RENDERING INDEX (CRI):	>83
WARRANTY:	5 Years

PRODUCT FEATURES

- Replacement for Conventional Metal Halide Lamp or Ballast;
- Non-Dimmable; Do Not Dim
- 50,000+ Hour Lifetime
- Environmentally Friendly: No Mercury Used
- Instant Startup
- UL Listed
- DLC Listed
- Operating Temperature: -29°C/-20°F to 60°C/140°F
- Integral Driver, Eliminates the Need for External Driver
- Includes 6kV Surge Protection
- IP64 Rated; Integrated Heat Sink Quickly Dissipates Heat and Guides Water Intrusion Out of the Lamp
- Active Cooling Technology: When Internal Thermal Sensor Reaches 84°C, Lamp Power Reduces To 80% Of Max; When Sensor Cools To 65°C Lamp Powers Back Up To 100% Rated Power
- Lamp Includes Safety Tether for Additional Security When Installing Lamp in Luminaire
- Suitable for Use in Fully Enclosed Fixture

OPERATING SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

Input Voltage	Power Consumption	Power Factor	Input Current
120-277Vac	100W	>0.9	0.93A @ 120V 0.40A @ 277V

RATED LIFE

L70 (Hours)	
	50,000

PHOTOMETRIC CHARACTERISTICS

Color Temperature (CCT)	4000K
Luminous Flux	14,000 lm
Color Rendering Index (CRI)	>83
Efficacy	140 lm/W
Visible Light Area	360°

SPECTRAL DISTRIBUTION

LUX DISTANCE CURVE

Flux Out: 2206 lm

Height	Eavg, Emax		Diameter
3.281ft 1m	65.24, 85.09fc 702.2, 915.9lx		6.526ft 200.00cm
3.281ft 2m	16.31,21.27fc 175.6,229.0lx		13.12ft 400.00cm
3.281ft 3m	7.249,9.454fc 78.02,101.8lx		19.69ft 600.00cm
3.281ft 4m	4.077,5.318fc 43.89,57.24lx		26.25ft 800.00cm
3.281ft 5m	2.610,3.404fc 28.09,36.64lx		32.81ft 1000.00cm

Angle: 90.00 degrees
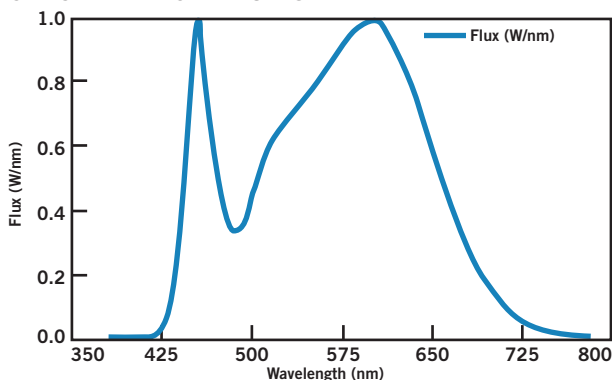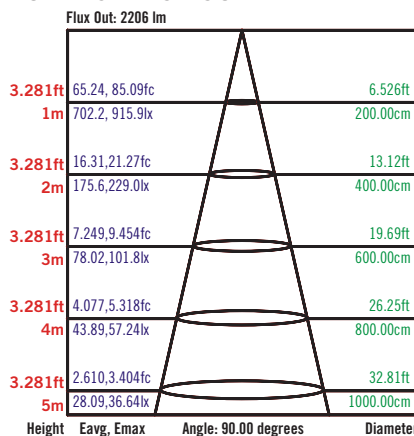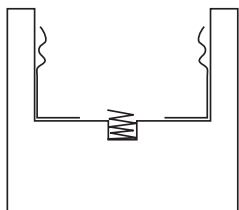
Note: The curves indicate the illuminated area and the average illumination when the luminaire is at a different distance.

Keystone Technologies • 1390 Welsh Road, North Wales, PA 19454 • Phone (800) 464-2680 • Fax (888) 966-0556 • **www.keystonetech.com**

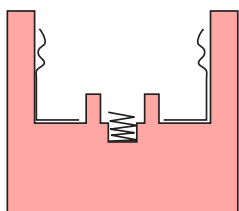Specifications subject to change. Last revised on 6.7.18

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E39 MOGUL SOCKET

EX39 MOGUL SOCKET

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

WIRING DIAGRAM

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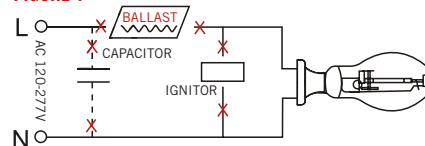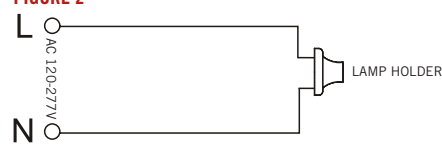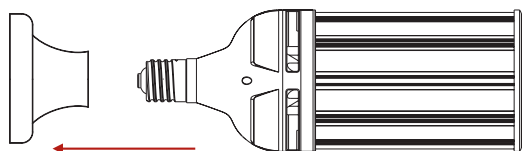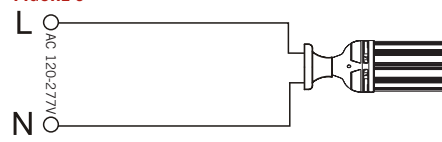Install new LED replacement lamp. Ensure lamp is operating properly when power is turned on.

FIGURE 1

L — AC 120-277V

BALLAST
CAPACITOR
IGNITOR

N

FIGURE 2

L — AC 120-277V

LAMP HOLDER

N

FIGURE 3

L — AC 120-277V

N

PHYSICAL CHARACTERISTICS

B
A

C
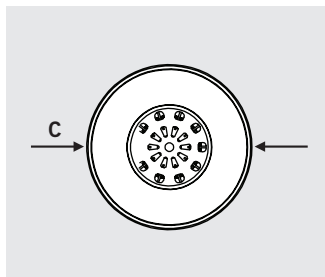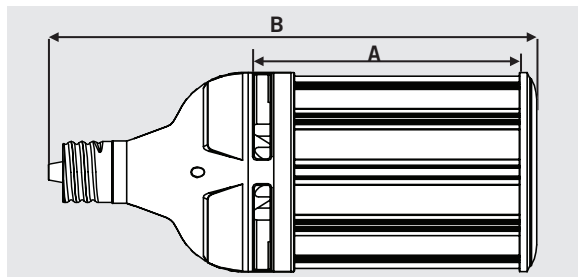
LAMP DIMENSIONS

A (Illuminated Length)	5.78"
B (Body Length)	12.57"
C (Diameter)	5.12"

BASE TYPE: EX39 (Mogul)

ORDERING INFORMATION

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KT-LED100HID-EX39-840-D rev1	Distributor Pack (Individual Cartons)	6	Quick Ship

CATALOG NUMBER BREAKDOWN

KT-LED100HID-EX39-840-D rev1

| Keystone Technologies | LED Lamp | Wattage | Lamp Type | Base Type | 800 Series | Color Temp. | Direct Drive Series | LED Chip Revision |