

LUNERA HID LED 360

90W/53W LED Replacement for High Intensity Discharge Lamps

Type B - Ballast Bypassed

Description

The **LUNERA HID LED 360** lamp is a line driven, (Type B, ballast bypassed) LED replacement for Metal Halide (MH) and High Pressure Sodium (HPS) lamps with a Mogul (E39) or Medium (E26) base. The LUNERA HID LED 360 replaces MH and HPS lamps up to 250W with a 90W LED or 175W with a 53W LED while enhancing the elegance of architectural lamp posts.

The lamp's built-in driver allows lamp operation from line voltage of 120V ~ 277V. The frosted diffusion lens conceals LED components typically exposed on LED corncob lamps, making the lamp aesthetically appealing.

Both the E39 and E26 versions of the LUNERA HID LED 360 lamp are available in 4000K and 5000K color temperatures. The lamp delivers consistent light levels, which results in a high quality lighting experience for campus or park grounds.

The LUNERA HID LED 360 is rated at 50,000 hours and is backed by a five-year warranty. It contains no mercury allowing for non-hazardous waste disposal.

Features

- Replaces up to 250W MH and HPS lamps with 90W or 53W LED
- Type B (ballast bypassed) installation - supports line driven 120/277V
- Delivers up to 8,600 lumens (90W) or 5,700 lumens (53W) of usable light with >80 CRI
- CCT 4000K and 5000K
- Supports Mogul (E39) and Medium (E26) base HID sockets
- Works well in enclosed fixtures
- Thermal IQ to support ambient temperatures up to 150°F
- 50,000 hours life to L70
- 5 Year Warranty



Mogul (E39) Base



Medium (E26) Base



* E39 Mogul Only;
Excl.. 2000K



Ordering Information

Example: SN-360-E39-L-8KLM-840-G3

Series	Version	Socket Types	Power Supply	Lamp Lumens	CRI/CCT	Generation
SN Lunera HID LED	360° illumination	E39 Mogul-base (E39) HID socket E26 Medium-base (E26) HID socket	L Ballast Bypassed 120V~277V	8KLM: 8,600lm @90W 5KLM: 5,700lm @53W	840: 80CRI / 4000K 850: 80CRI / 5000K	G3 3rd Generation

PROJECT	CONTACT	MODEL NO.
REFERENCE NO.	QUANTITY	DATE

Performance Specifications - 8,600lm / 5,700lm

	8,600 lumens (90W)		5,700 lumens (53W)	
Illumination				
Color Temperatures	5000K, 4000K		5000K, 4000K	
Lumens	<u>5000K</u>	<u>4000K</u>	<u>5000K</u>	<u>4000K</u>
	8,600lm	8,600lm	5,700lm	5,700lm
Color Consistency	Lunera TruColor LED Selection		Lunera TruColor LED Selection	
Lumen Maintenance (L70)	50,000+ hours life		50,000+ hours life	
Electrical System				
Input Voltage*	120V - 277V		120V - 277V	
Avg. Lamp Power	90W		53W	
HID Wattage Replaced	250W/175W/150W		175W/150W/100W/70W	
Dimming	No		No	
Physical				
Dimensions (H x W)	8.181” x 4.362”		8.181” x 4.362”	
Weight	2 lbs		2 lbs	
Housing and Finish	Plastic		Plastic	
Heat Sink Size	4”		4”	
Environment				
Ambient Temperature**	-40°F to 150°F		-40°F to 150°F	
Humidity Rating	Damp OK, no direct water spray		Damp OK, no direct water spray	
Fixture Type	Open or enclosed		Open or enclosed	
Installation				
Socket Type	Fits vertical and horizontal mount Mogul (E39) and Medium (E26) sockets		Fits vertical and horizontal mount Mogul (E39) and Medium (E26) sockets	
Certifications & Qualifications				
UL (US and Canada)	Recognized / Classified (UL 1598-C)		Recognized / Classified (UL 1598-C)	
RoHS Compliant	Contains no lead or mercury		Contains no lead or mercury	
FCC***	Compliant with Parts 15A/B Available.		Compliant with Parts 15A/B Available.	
LM79, LM80, IES Files	Contact Lunera.		Contact Lunera.	
DesignLights Consortium Listed	Yes, 4.2 (E39 Version)		Yes, 4.2 (E39 Version)	
Warranty				
Warranty	5 years		5 years	

* LAMP INSTALLATION WITH ANY BALLAST VOIDS THE WARRANTY. REFER TO INSTALL GUIDE.

** Thermal IQ is a proprietary Lunera technology, which enables the LUNERA HID LED 360 lamp to operate reliably up to 150°F ambient by dimming itself at extreme temperatures based upon thermal characteristics of the fixture in which it has been installed.

*** Operation is subject to the following conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operations.

Application Notes

Wattage Compatibilities	Sockets	Power Source	Mount
HID LED 360 Mogul (E39) Base Replaces  = 250W -70W MH or HPS	E39 / EX39 Mogul 	120V- 277V Line Voltage 	360° Illumination Vertical / Horizontal Architectural Fixtures
HID LED 360 Medium (E26) Base  = 250W -70W MH or HPS	E26 Medium 		Fixture Type  Architectural Post Top

CAUTION

Turn OFF power when installing the lamp.

Do NOT install this lamp into 280V, 347V, or 480V.
Lamp Installation in the above voltages requires a step-down
transformer to support 120V ~ 277V.

Product Dimensions

Measurements are exact. Dimensions are shown in millimeters and inches. Please contact your Lunera representative for other product dimensions.

