

LUNERA HID LED 360

LED Replacement for High Intensity Discharge Lamps

Ballast Driven - Mogul (E39) and Medium (E26) Base



Description

The LUNERA HID LED 360 lamp is a plug-and-play Ballast Driven LED replacement for Metal Halide (MH) and High Pressure Sodium (HPS) lamps with a Mogul (E39) and Medium (E26) base. The Lunera HID LED 360 is designed to replace up to 250W MH and HPS lamps while enhancing the elegance of architectural lamp posts. For wall pack and shoe box fixtures, we recommend the Lunera HID LED 360 lamp.

The Lunera HID LED 360 delivers over 60% energy savings and has a rated life of 50,000 hours – three times longer than that of HID lamps. Lunera's BallastLED technology makes these lamps truly plug-and-play by allowing them to operate directly off of existing magnetic HID ballasts. Simply replace the MH or HPS lamp with the Lunera HID LED 360 without any modification to the fixture. The lens optics conceal LED components that are typically exposed on LED corn cob lamps, making it aesthetically appealing.

The Lunera HID LED 360 is available in a range of color temperatures including 2000K, 3500K, 4000K and 5000K. It delivers consistent light levels across its long life, which results in a high quality lighting experience for campus or park grounds.

Features

- Replaces High Intensity Discharge (MH and HPS) lamps
- Ballast Driven (plug-and-play) lamp; supports existing magnetic HID ballast
- Works well in enclosed fixtures
- Up to 8,500, 6,000, 5,000 and 3,500 lumens fixture delivered light output
- Yields 60%-80% energy savings
- >80 CRI
- CCT 2000K, 3500K, 4000K and 5000K
- Supports Mogul (E39) and Medium (E26) base HID sockets
- Thermal IQ to support ambient temperatures up to 150°F



Mogul (E39) Base
up to 8,000lm



Medium (E26) Base
up to 8,000lm



Ordering Information

Example: SN-360-E39-B-8KLM-835-G3

Series	Version	Socket Type	Power Supply	Lamp Lumens	CRI/CCT	Generation
SN: Lunera HID LED	360: 360° illumination	E39: Fits in mogul-base (E39) HID socket	B: Magnetic HID Ballast	@90W 3.5/4/5K CCT	8KLM: 8,600lm	G3: 3rd Generation
				2K CCT	6KLM: 6,000lm	
		E26: Fits in medium-base (E26) HID socket		@53W 3.5/4/5K CCT	5KLM: 5,700lm	
				2K CCT	3.5KLM: 3,500lm	

PROJECT	CONTACT	MODEL NO.
REFERENCE NO.	QUANTITY	DATE

Performance Specifications - 8,000lm / 5,000lm

	8,000 lumens	5,000 lumens																
Illumination																		
Color Temperatures	5000K, 4000K, 3500K, 2000K	5000K, 4000K, 3500K, 2000K																
Lumens (Bare Lamp)	<table border="1"> <tr> <td>5000K</td> <td>4000K</td> <td>3500K</td> <td>2000K</td> </tr> <tr> <td>8,553lm</td> <td>8,602lm</td> <td>8,413lm</td> <td>6,000lm</td> </tr> </table>	5000K	4000K	3500K	2000K	8,553lm	8,602lm	8,413lm	6,000lm	<table border="1"> <tr> <td>5000K</td> <td>4000K</td> <td>3500K</td> <td>2000K</td> </tr> <tr> <td>5,481lm</td> <td>5,763lm</td> <td>5,237lm</td> <td>3,500lm</td> </tr> </table>	5000K	4000K	3500K	2000K	5,481lm	5,763lm	5,237lm	3,500lm
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Color Consistency	Lunera TruColor proprietary process	Lunera TruColor proprietary process																
Lumen Maintenance (L70)	50,000+ hours life	50,000+ hours life																
Electrical System																		
Input Voltage	Dependent of HID ballast	Dependent of HID ballast																
Avg. Lamp Power	90W	53W																
Approved HID Ballasts**	CWA Ballast Input (480V ~ 120V)	CWA Ballast Input (480V ~ 120V)																
HID Wattage Replaced	250W/175W	175W/150W/100W/70W																
Physical																		
Dimensions (H x W)	8.181" x 4.362"	8.181" x 4.362"																
Weight	2 lbs	2 lbs																
Housing and Finish	Painted	Painted																
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	Recognized / Classified US, CAN	Recognized / Classified US, CAN																
RoHS Compliant	Contains no lead or mercury	Contains no lead or mercury																
LM79, LM80, IES Files	Available	Available																
DesignLights Consortium	DLC category not available	DLC category not available																
Warranty																		
Warranty	5 years	5 years																

*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.

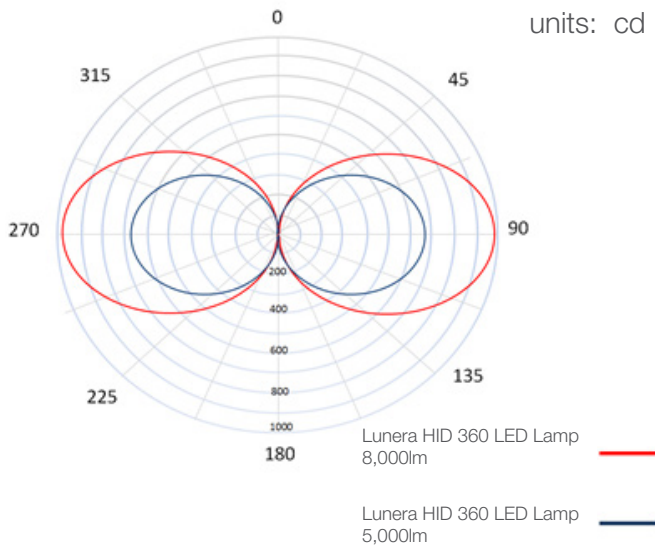
*Lamp dimming profiles subject to fixture type and environmental condition. Contact Lunera for more detailed information.

**LAMP INSTALLATION IN A NON-APPROVED BALLAST VOIDS THE WARRANTY. REFER TO INSTALL GUIDE.

Photometry

Optical data is based on performance of bare lamps.

Polar Candela Distribution



Intended Applications

Wattage Compatibilities	Sockets	Power Source	Mount
HID LED 360 Mogul (E39) Base Replaces = 400W -70W MH or HPS	E39 / EX39 Mogul 	Magnetic HID Ballast 	360° Illumination Vertical/Horizontal
HID LED 360 Medium (E26) Base = 400W -70W MH or HPS	E26 Medium 		Fixture Type Architectural Post Top

CAUTION

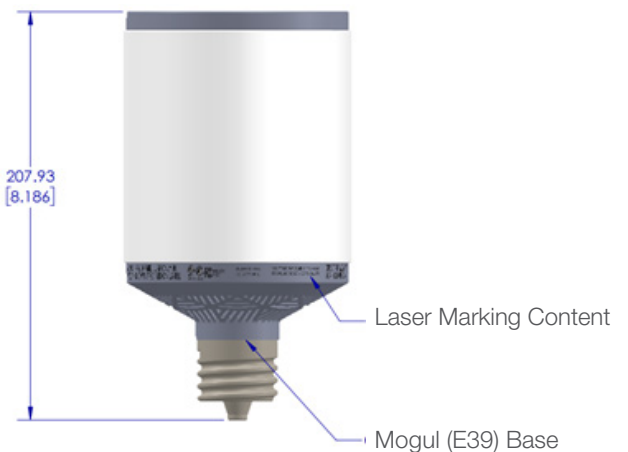
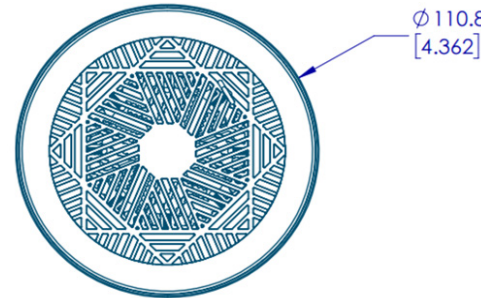
Turn off power when installing the Lamp.
 Do NOT re-install the legacy HID Lamp.
 For FAQ and Technical Support, please visit:
<https://lunera.freshdesk.com/support/home>

Do NOT install this lamp into ballasts rated above 400W.
 This lamp supports operation with CWA HID magnetic ballasts only.

Product Dimensions

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

Up to 8,000lm



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For Technical Support:
<https://lunera.com/freshdesk.com/support/home>

www.lunera.com

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