

# LUNERA HID 360 LAMP

## LED Replacement for High Intensity Discharge Lamps

[8,000lm / 5,000lm] E39/E26 Mogul/Medium Base - Ballast Driven



### Description

The Lunera HID 360 Lamp is a plug-and-play LED replacement for Metal Halide (MH) and High Pressure Sodium (HPS) lamps with an E39/E26 (Mogul/Medium) base. The Lunera HID 360 Lamp replaces 250W and lower wattages of MH and HPS lamps in lighting applications such as Post Tops, Wall Packs, High/Low Bay, Area Retrofits, etc.

The Lunera HID 360 Lamp delivers over 60% energy savings and has a rated life of 50,000 hours – 3 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 Lunera HID 360 Lamp without any modification to the fixture.

The Lunera HID 360 Lamp is available in a range of color temperatures including 3500K, 4000K and 5000K. It delivers consistent light levels across its long life, which results in a high quality lighting experience for the building's occupants.

### Features

- Replaces High Intensity Discharge (MH and HPS) lamps
- Ballast-Driven plug-and-play installation; with existing magnetic HID ballast
- Works well in enclosed fixtures
- Up to 5,000 and 8,000 lumens fixture delivered light output
- Yields 60%-80% energy savings
- >80 CRI
- CCT 3500, 4000 and 5000K
- Supports E39/EX39 Mogul and E26 Medium base HID sockets
- Thermal IQ to support ambient temperatures up to 150°F



Mogul Base  
8,000 lm  
5,000 lm



Medium Base  
8,000 lm  
5,000 lm

### Ordering Information

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

Series	Version	Socket Type	Lamp Lumens	Power Supply	CRI/CCT	Generation
<b>SN:</b> Lunera HID Lamp	<b>360:</b> 360° illumination	<b>E39:</b> Fits in mogul-base HID socket (E39/EX39) <b>E26:</b> Fits in medium-base HID socket	<b>8K LM:</b> 8,000 lm <b>5K LM:</b> 5,000 lm	<b>B:</b> Plug-and-Play Magnetic HID Ballast	<b>835:</b> 80CRI / 3500K <b>840:</b> 80CRI / 4000K <b>850:</b> 80CRI / 5000K	<b>G3:</b> 3rd Generation

PROJECT	CONTACT	MODEL NO.
REFERENCE NO.	QUANTITY	DATE

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

	8,000 lumens	5,000 lumens
<b>Illumination</b>		
Color Temperatures	3500K, 4000K, 5000K	3500K, 4000K, 5000K
Lumens (Bare Lamp)	Up to 8,200 lm	Up to 5,400 lm
Color Consistency	Lunera TruColor™ proprietary process	Lunera TruColor™ proprietary process
Lumen Maintenance (L70)	50,000+ hours life	50,000+ hours life
<b>Electrical System</b>		
Input Voltage	Dependent of HID ballast	Dependent of HID ballast
Lamp Power	85W	47W
Approved HID ANSI Ballasts	M59, H33, M131, S51, S106, H38, H42, H43, H46, L69, L70, L71, L72, M90, M98, M102, M107, M110, M142, S55, S56, S62, S68, S76	M59, H33, M131, S51, S106, H38, H42, H43, H46, L69, L70, L71, L72, M90, M98, M102, M107, M110, M142, S55, S56, S62, S68, S76
HID Wattage Replaced	400W/320/250W/175W	175W/150W/100W/70W
<b>Physical</b>		
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"
<b>Environment</b>		
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
<b>Installation</b>		
Socket Type	Fits vertical and horizontal mount mogul and medium base sockets (E39/EX39 or E26)	Fits vertical and horizontal mount medium base sockets (E39/EX39 or E26)
<b>Certifications &amp; Qualifications</b>		
UL	Listed/Classified US, CAN [Pending]	Listed/Classified US, CAN [Pending]
RoHS Compliant	Contains no lead or mercury	Contains no lead or mercury
LM79, LM80, IES Files	Pending	Pending
DesignLight Consortium	DLC category not available	DLC category not available
<b>Warranty</b>		
Warranty	5 years	5 years

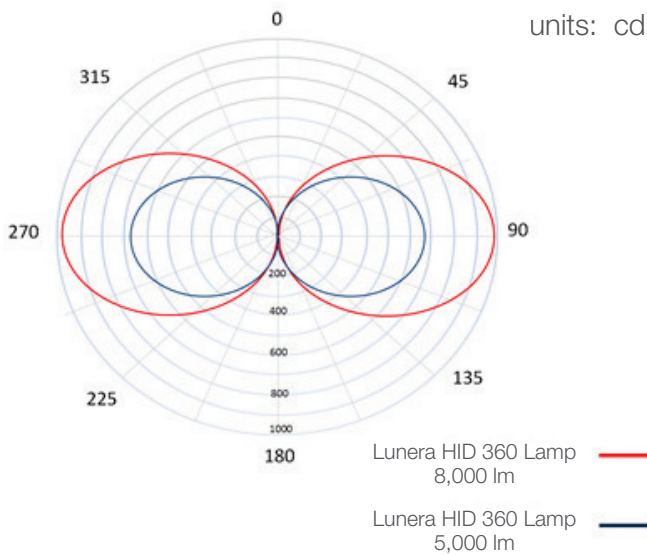
\*Thermal IQ is a proprietary Lunera technology which enables the Susan Lamp to operate reliably up to 150°F ambient by dimming itself at extreme temperatures based upon thermal characteristics of the fixture in which it has been installed.

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

## Photometry

Optical data is based on performance of bare lamps.

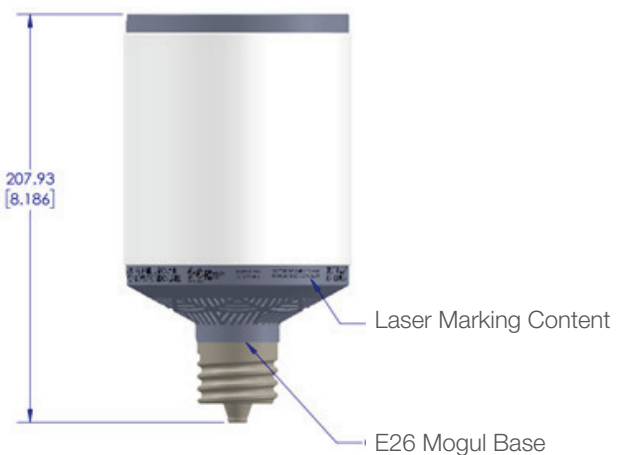
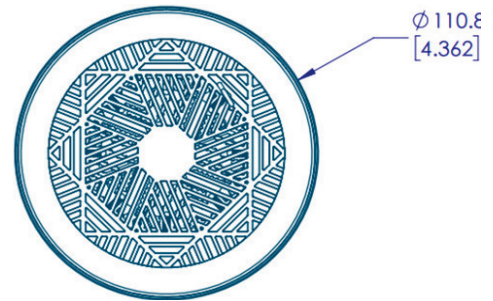
### Polar Candela Distribution











## Product Dimensions

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

8,000lm / 5,000lm



## Intended Applications

Wattage Compatibilities	Sockets	Power Source	Mount
Lunera HID 360 Lamp Mogul [E39] Base  <b>Replaces</b> 400W-70W MH or HPS	E39/EX39 Mogul  E26 Medium 	Magnetic MH Ballast 	360° illumination Vertical / Horizontal Area Retrofits / Wall Packs Pole Armed Decorative Shoe Box / Post Top <b>Fixture Types</b>   
Lunera HID 360 Lamp Medium [E26] Base  <b>Replaces</b> 400W-70W MH or HPS			

## 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>

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