

# LUNERA HID LED 360

## LED Replacement for High Intensity Discharge Lamps

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



### Description

The Lunera HID LED 360 lamp is a Line Driven (ballast bypassed) 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 400W 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 Horizontal lamp.

The Lunera HID LED 360 delivers over 60% energy savings and has a rated life of 50,000 hours – 3 times longer than that of HID lamps. Its built-in driver allows lamp operation from line voltage of 120V ~ 277V. The optical lens conceals LED components that are typically exposed on LED corncob 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.



Mogul (E39) Base  
up to 8,000lm



Medium (E26) Base  
up to 8,000lm

### Features

- Replaces High Intensity Discharge (MH and HPS) lamps
- Line Driven lamp; supports 120V ~ 277V
- Works well in enclosed fixtures
- Up to 8,000 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

### Ordering Information

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

| Series                          | Version                          | Socket Type                                            | Lamp Lumens            | Power Supply                          | CRI/CCT                   | Generation                   |
|---------------------------------|----------------------------------|--------------------------------------------------------|------------------------|---------------------------------------|---------------------------|------------------------------|
| <b>SN:</b><br>Lunera<br>HID LED | <b>360:</b><br>360° illumination | <b>E39:</b><br>Fits in mogul-base (E39)<br>HID socket  | <b>8KLM:</b> 8,000lm   | <b>L:</b><br>Line Driven<br>120V~277V | <b>835:</b> 80CRI / 3500K | <b>G3:</b><br>3rd Generation |
|                                 |                                  |                                                        | <b>5KLM:</b> 5,000lm   |                                       | <b>840:</b> 80CRI / 4000K |                              |
|                                 |                                  | <b>E26:</b><br>Fits in medium-base<br>(E26) HID socket | <b>6KLM:</b> 6,000lm   |                                       | <b>850:</b> 80CRI / 5000K |                              |
|                                 |                                  |                                                        | <b>3.5KLM:</b> 3,500lm |                                       | <b>820:</b> 80CRI / 2000K |                              |

|               |          |           |
|---------------|----------|-----------|
| PROJECT       | CONTACT  | MODEL NO. |
| REFERENCE NO. | QUANTITY | DATE      |

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

|                                            | 8,000 lumens                                                               | 5,000 lumens                                                               |
|--------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------|
| <b>Illumination</b>                        |                                                                            |                                                                            |
| Color Temperatures                         | 2000K, 3500K, 4000K, 5000K                                                 | 2000K, 3500K, 4000K, 5000K                                                 |
| Lumens                                     | Up to 6,000lm @ 2000K CCT<br>Up to 8,400lm @ 3500K, 4000K, 5000K CCT       | Up to 3,500lm @ 2000K CCT<br>Up to 5,400lm @ 3500K, 4000K, 5000K CCT       |
| Color Consistency Lumen                    | Lunera TruColor proprietary process                                        | Lunera TruColor proprietary process                                        |
| Maintenance (L70)                          | 50,000+ hours life                                                         | 50,000+ hours life                                                         |
| <b>Electrical System</b>                   |                                                                            |                                                                            |
| Input Voltage                              | 120V - 277V<br>(Supports AC Line Voltage Only)                             | 120V - 277V<br>(Supports AC Line Voltage Only)                             |
| Avg. Lamp Power HID                        | 90W                                                                        | 53W                                                                        |
| Wattage Replaced                           | 400W/320W/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<br>Mogul (E39) and Medium (E26) sockets | Fits vertical and horizontal mount<br>Mogul (E39) and Medium (E26) sockets |
| <b>Certifications &amp; Qualifications</b> |                                                                            |                                                                            |
| UL                                         | Classified US, CAN (Pending)                                               | Classified US, CAN (Pending)                                               |
| RoHS Compliant                             | Contains no lead or mercury                                                | Contains no lead or mercury                                                |
| LM79, LM80, IES Files                      | Pending                                                                    | Pending                                                                    |
| DesignLights Consortium                    | DLC Listed (Pending)                                                       | DLC Listed (Pending)                                                       |
| <b>Warranty</b>                            |                                                                            |                                                                            |
| 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.

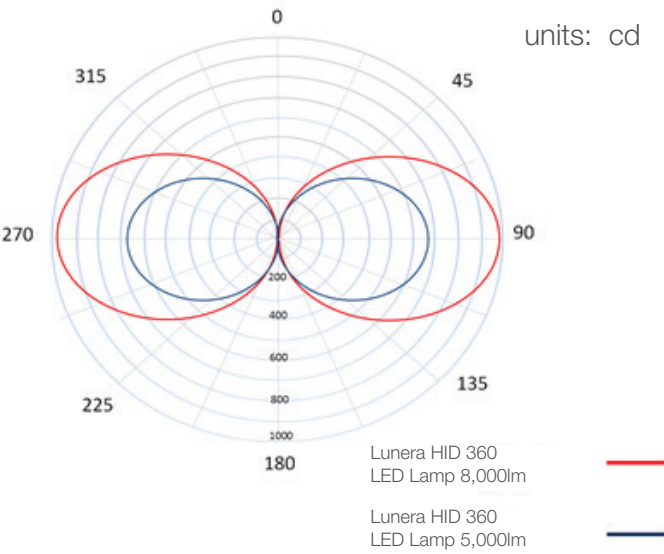
\*Lamp dimming profiles subject to fixture type and environmental condition. Contact Lunera for more detailed information.



Photometry

Optical data is based on performance of bare lamps.

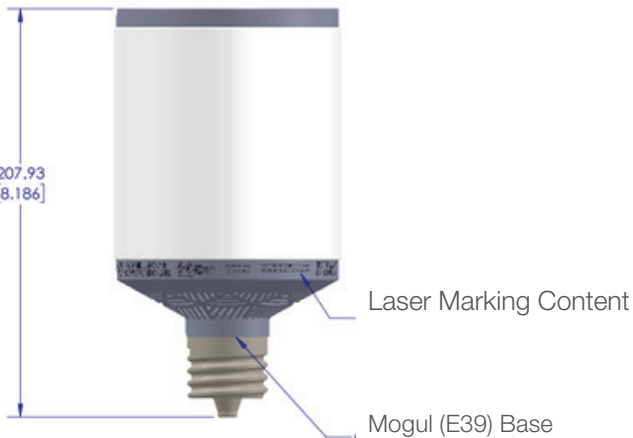
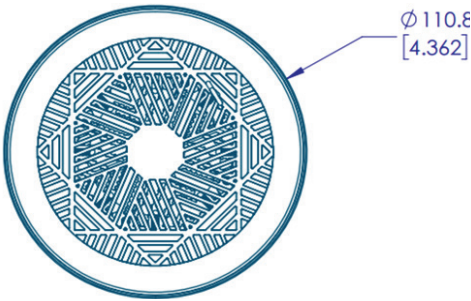
Polar Candela Distribution



Product Dimensions

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

Up to 8,000lm



Intended Applications

| Wattage Compatibilities                                                               | Sockets             | Power Source                     | Mount                                                                                                 |
|---------------------------------------------------------------------------------------|---------------------|----------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>HID LED 360</b><br>Mogul (E39) Base<br><b>Replaces</b><br>= 400W -70W<br>MH or HPS | E39 / EX39<br>Mogul | 120V-<br>277V<br>Line<br>Voltage | 360° Illumination<br>Vertical / Horizontal<br>Post Top or Wall<br>Mount<br>architectural<br>fixtures. |
| <b>HID LED 360</b><br>Medium (E26) Base<br>= 400W -70W<br>MH or HPS                   | E26<br>Medium       |                                  | <b>Fixture Type</b><br>Architectural<br>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>

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