

LUNERA HID LED LAMP

LED Replacement for High Intensity Discharge Lamps
[9,000lm / 4,500lm]

E26 Medium Base - Vertical Mount - Ballast Driven



Description

The LUNERA HID LED Lamp is a Ballast Driven plug-and-play LED replacement for Metal Halide (MH) and High Pressure Sodium (HPS) lamps with an E26 Medium base. This lamp replaces 175W ~ 70W of MH and HPS lamps in lighting applications such as High Bay, Low Bay and Parking Garages.

Lunera HID LED lamps feature a significantly lower energy consumption than conventional (High Intensity Discharge) HID lamps. These lamps deliver over 60% energy savings and have a rated life of 50,000 hours – 3 times longer than that of HID lamps. Configuration options include a Fresnel lens for maximum light distribution.

These lamps are truly plug-and-play by using Lunera's BallastLED technology. It allows them to operate directly off of existing magnetic HID ballasts.

Lunera HID LED 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.



9,000lm
4,500lm
V



9,000lm
4,500lm
VS

Features

- Replaces 175W ~ 70W Metal Halide (MH) and High Pressure Sodium (HPS) lamps
- Ballast-Driven plug-and-play installation; with existing magnetic HID ballast
- Works well in enclosed fixtures
- Up to 9,000 and 4,500 lumens fixture delivered light output
- Yields 60%-80% energy savings
- >80 CRI
- CCT 3500K, 4000K and 5000K
- Supports E26 medium base HID sockets
- Thermal IQ to support ambient temperatures up to 150°F



Ordering Information

Example: SN-V-E26-B-4.5KLM-840-G3

Series	Version	Socket Type	Power Supply	Lamp Lumens	CCT	Generation
SN: Lunera HID LED	V: Vertical Standard Neck VS: Vertical Short Neck	E26: Fits in medium (E26) base HID socket	B: Plug-and-Play Magnetic HID Ballast	9KLM: 9,000lm 4.5KLM: 4,500lm	835: 80CRI / 3500K 840: 80CRI / 4000K 850: 80CRI / 5000K	G3: 3rd Generation

PROJECT	CONTACT	MODEL NO.
REFERENCE NO.	QUANTITY	DATE

Performance Specifications - Vertical Mount Lamp - 9,000lm / 4,500lm

	10,000 lumens	5,000 lumens
Illumination		
Color Temperatures	3500K, 4000K, 5000K	3500K, 4000K, 5000K
Lumens	Up to 9,000lm	Up to 4,500lm
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
Average Lamp Power	103W	58W
Lamp Wattage Replaced	175W/150W/100W/70W	175W/150W/100W/70W
Physical		
Dimensions (H x W)	8.18" x 6.31" (Vertical Long) 5.01" x 6.31" (Vertical Short)	8.18" x 6.31" (Vertical Long) 5.01" x 6.31" (Vertical Short)
Weight	1.8lb (Vertical Long) 1.5lb (Vertical Short)	1.8lb (Vertical Long) 1.5lb (Vertical Short)
Housing and Finish	Painted	Painted
Heat Sink Size	6"	6"
Configuration	Vertical, Vertical Short Neck (V, VS)	Vertical, Vertical Short Neck (V, VS)
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 mount medium base (E26) HID socket	Fits vertical mount medium base (E26) HID socket
Certifications & Qualifications		
UL	Classified / Recognized US, CAN	Classified / Recognized US, CAN
RoHS Compliant	Contains no lead or mercury	Contains no lead or mercury
LM79, LM80, IES Files	Available	Available
Lighting Design Lab	LDL Listed [Pending]	LDL Listed [Pending]
Warranty		
Warranty	5 years	5 years

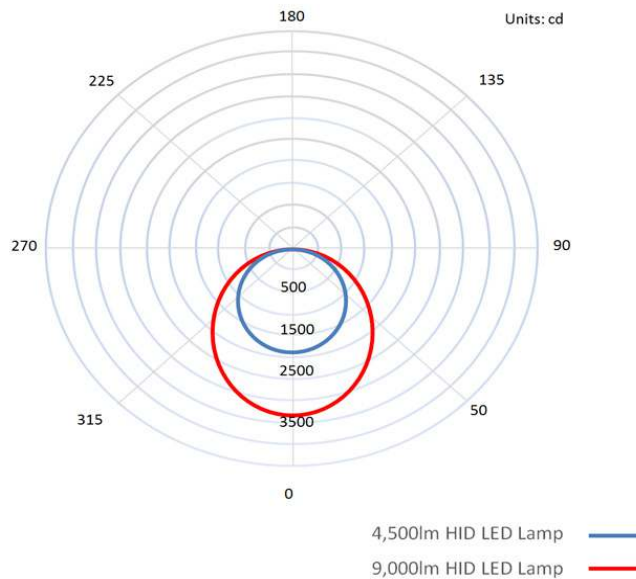
*Thermal IQ is a proprietary Lunera technology which enables the Susan Lamp to operate reliably up to 150°F ambient by dimming itself at extreme temperatures based upon thermal characteristics of the fixture in which it has been installed.

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

Photometry

Optical data is based on performance of bare lamps.

Polar Candela Distribution [9,000lm / 4,500lm]



Optional Fresnel Lens



Intended Applications

The Lunera HID LED lamp is designed to replace Metal Halide (MH) and High Pressure Sodium (HPS) lamps in the following compatible applications:

Wattage Compatibilities	Sockets	Power Source	Mount
Lunera HID LED Medium (E26) Base  175W - 70W MH or HPS	E26 Medium 	Magnetic HID Ballast 	Vertical Mount Fixture Type  Parking Garage Low Bay

Application Notes

The Lunera HID LED lamp can be used in open and fully enclosed fixtures.

For applications containing dimmers, please contact Lunera for specific compatibilities.

Contact Lunera for luminaire level IES files with high bay and low bay DLC referenced fixtures.

Lunera HID LED lamp does NOT support operations with electronic HID ballasts.

This product is NOT intended for use with emergency lighting or for emergency lighting.

Lunera HID LED lamp has been evaluated for operation with the following ANSI ballasts:

H33, M59, S51, S106, M131, H37, H39, M57, M58, S50, S66, M102, M107, S55, S56, H38, H43, L69, L70, L71, L72, M90, M98, M110, S62, S68, AND S76.

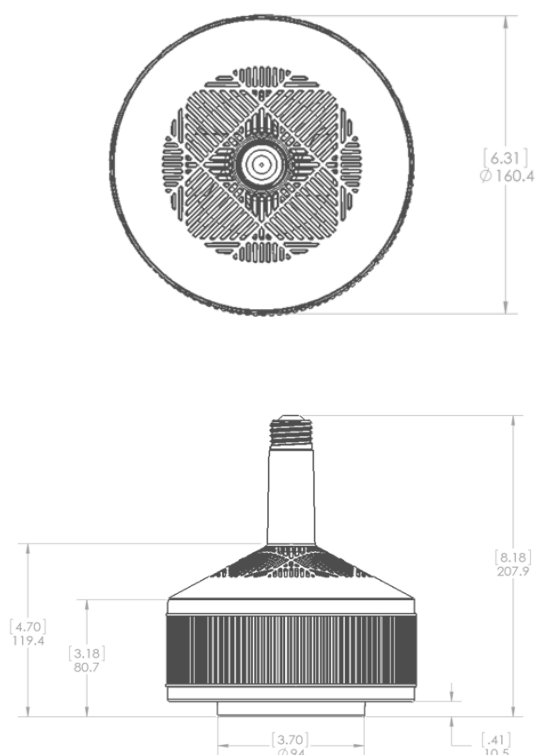
Caution

Turn power off when installing this lamp.

Do NOT install this lamp into line voltage above 277VAC.

Product Dimensions

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

Standard Vertical Neck**E26 Lamp 9,000lm / 4,500lm****Sample Part Numbers:**

SN-V-E26-B-4.5KLM-8XX-G3

SN-V-E26-B-9KLM-8XX-G3

'XX': may be 35 (3500K),
40 (4000K), 50 (5000K)

CAUTION

Turn off power when installing the Lamp.

For FAQ and Technical Support, please visit:
<https://lunera.freshdesk.com/support/home>

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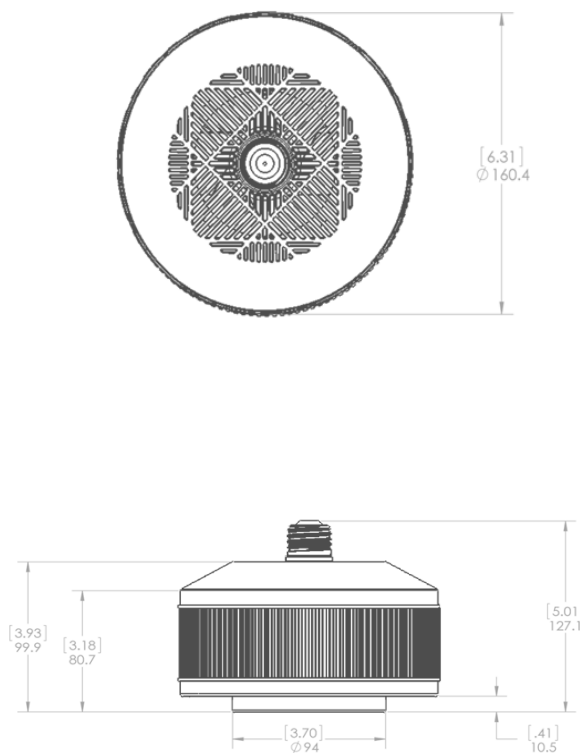
Specifications are subject to change without notice. This document is for informational purposes only.

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

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Vertical Short Neck**E26 Lamp 9,000lm / 4,500lm****Sample Part Numbers:**

SN-VS-E26-B-4.5KLM-8XX-G3

SN-VS-E26-B-9KLM-8XX-G3

'XX': may be 35 (3500K),
40 (4000K), 50 (5000K)

