

## High Performance LED Omni-Cob Lamp, 100W

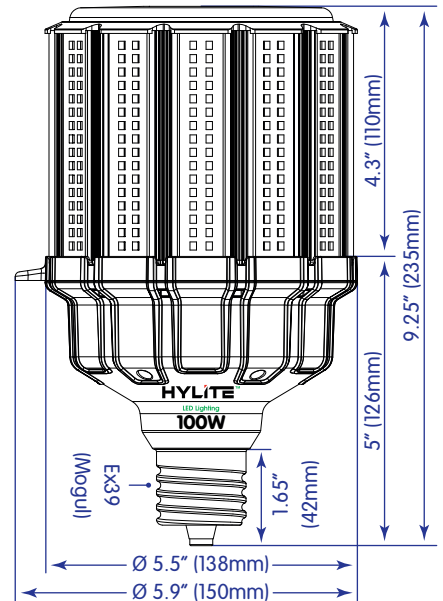
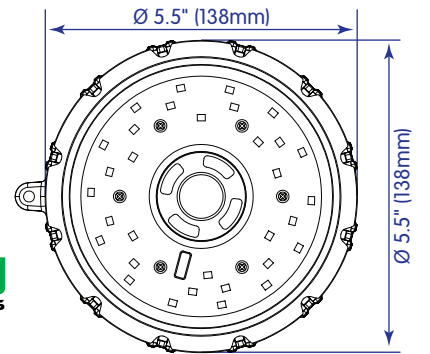
Designed for Easy Installation in New or Existing Fixtures, HyLite LED Omni-Cob Lamps are ideal for Shoe Box, Area, Street and Roadway, and High-Bay Lighting applications. They feature Excellent Optics for Increased Visibility, and Low Power Consumption, Saving from 67% to 90% on Electricity Costs. With a Lamp Life of up to 60,000 hours, the HyLite LED Omni-Cob Lamps significantly reduce Relamping Costs, thus decreasing Maintenance and Disposal Costs.

Enhances Vision for Better Optical Acuity, reduces Light Pollution, and provides 360° of Clean, Bright Light. Suitable for Fully-enclosed Fixtures, it is an Ideal Replacement for CFL, MV, HID, and HPS Lamps in existing E39/ E40 (Mogul) Base Fixtures.

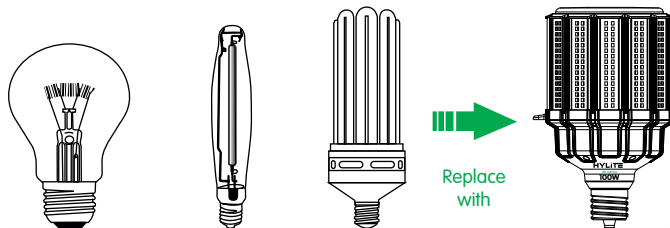
- Extremely Efficient: High Lumen Efficacy: 141 LpW
- High >80 CRI for Greater Visibility and Safety.
- Easy Installation: No Ballast necessary. Direct Retrofit
- Instant Start and Restart: No Warm-up Time required
- Heat & Impact Resistant, UV Protected, Optical Grade Lens
- Good Heat Dissipation with Proprietary-designed Heat Sink
- Cool Operation: Does not add to Heat Load while producing Brilliant Light
- Safe and Reliable: Isolated Circuit Design. Integral 4 kV Surge Suppressor & Protection.
- No Electro-Magnetic (EMi) or Radio Frequency Interference (RFI)
- Ingress Protection: IP64. Complete protection against Contact, Dust Infiltration, and Splashed Water
- Fully Encapsulated: Shatter-proof, High-Shock & High-Vibration Resistant
- Safe: Contain No Hazardous Materials; RoHS Compliant: No Lead, Mercury, Toxic Metals or Arsenic Gases. No Disposal requirements. 98% of the HyLite LED Lamp is Recyclable. Facilitates LEED® points.

**400W**  
MH / HPS  
Equivalent

**NEXGEN**  
PRODUCTS



Suitable for  
**Damp Locations** **Enclosed Fixtures**



Incandescent	HPS/HID	CFL	HyLite
1000W	400W	300W	100W
90%	75%	67%	Energy Savings (%)*

\* Does not include Ballast Loss, Maintenance and Replacement Lamp Savings and Disposal Costs which can amount to additional Savings of 30~50%!



98%  
RECYCLABLE



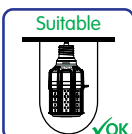
**NO**  
LEAD, MERCURY,  
HEAVY METALS  
OR TOXIC GASES



**WARNING!** Not Suitable for Horizontal Installation  
Minimum Lamp Compartment Size  
15" x 15" x 15" (380 x 380 x 380mm)  
*Caution: The Lamp has been provided with a Safety Cable. It is imperative to Secure Safety Cable to the Fixture, when installed in Vertical Installation.*



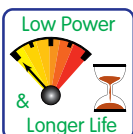
360°  
Illumination



For Enclosed  
Luminaires



Reduction of  
up to 90%



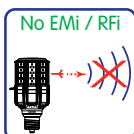
Up to  
60,000 Hours



141 LpW  
LM-79 Tested



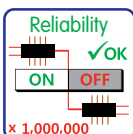
Radiation-Free  
No Humming



Zero  
Interference



Vibration and  
Shock Resistant



LM-80 Tested  
ISTMT Tested



Safe and  
Reliable

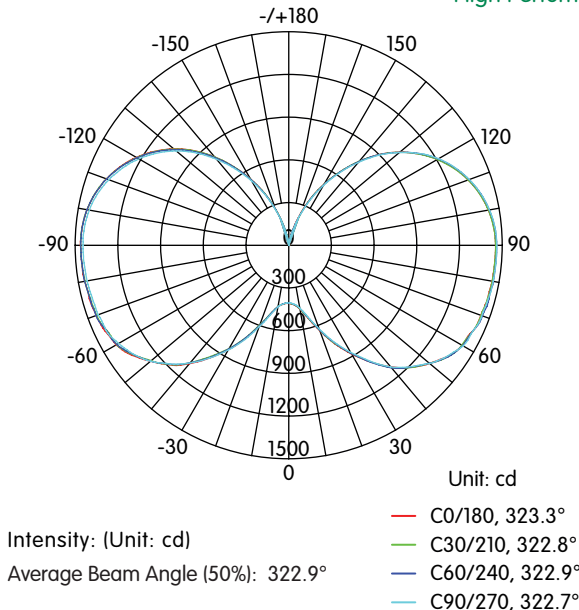
Model No.	Watts	Delivered Lumens	Maximum Install Height	Input Line Current	Base Type	Dimensions & Weight (each)		
						Diameter	Height	Weight
HL-OC-100W-EX39	100	14,530	<32 ft. (10m)	288~835mA	E39/E40 (Mogul)	5.9" (150mm)	9.25" (235mm)	3.6 lb. (1.62Kg)

- Minimum Lamp Compartment Dimensions for Enclosed Fixtures: 15" x 15" x 15" (380 x 380 x 380mm)
- To Prevent early Lamp Failure, Lamp should only be installed in Operating Environments ranging from a Minimum of -40°C (-40°F) to a Maximum of +55°C (131°F)
- Efficacy: 141 LpW
- CRI: >80
- Beam Angle: 360°
- Max. THD (%): <15%
- Universal Input Voltage
- Power Factor: >0.9
- Protection: IP64
- Rated Life: 50~60,000 Hrs.
- Warranty: 5 Years
- 120~347V, AC 50/60 Hz.
- 480V Available with External Step-Down Transformer only. Please see HL-DT-125VA-480-277V Spec. Sheet at: <https://hyliteledlighting.com/resources/specification-sheets/>
- CCT: 5000°K~5500°K for greater visibility. Products with 2400°K-6500°K (CCT) are available as "Special Orders" only and with Longer Lead Times

## High Performance LED Omni-Cob Lamp, 100W

### Photometrics

The Diameter indicates the illuminated Area and the Average illumination when the Lamp is installed at Different Heights.



Flux Out: 1584 lm			
Height	EAvg/EMax	Angle: 90.0°	Diameter
1 m (3.3 ft.)	504.2/574.2 lx (46.8/53.3 fc)		2.0 m (6.6 ft.)
2 m (6.6 ft.)	126.0/143.5 lx (11.7/13.3 fc)		4.0 m (13.1 ft.)
3 m (9.9 ft.)	56.0/63.8 lx (5.2/5.9 fc)		6.0 m (19.7 ft.)
4 m (13.1 ft.)	31.5/35.9 lx (2.9/3.3 fc)		8.0 m (26.3 ft.)
5 m (16.4 ft.)	20.2/23.0 lx (1.9/2.1 fc)		10.0 m (32.8 ft.)
6 m (19.7 ft.)	14.0/16.0 lx (1.3/1.5 fc)		12.0 m (39.4 ft.)
7 m (23.0 ft.)	10.3/11.7 lx (0.96/1.1 fc)		14.0 m (45.9 ft.)
8 m (26.3 ft.)	7.9/9.0 lx (0.73/0.84 fc)		16.0 m (52.5 ft.)
9 m (29.5 ft.)	6.2/7.1 lx (0.58/0.66 fc)		18.0 m (59.0 ft.)
10 m (32.8 ft.)	5.0/5.7 lx (0.46/0.53 fc)		20.0 m (65.6 ft.)

### Ideal for high-quality illumination in:

- Area Lighting
- High Bay Lighting
- Warehouse Lighting
- Manufacturing
- Gymnasiums
- Cold Storage
- Arena
- High Ceiling
- Utility and Power Generation

**WARNING!** Not Suitable for Horizontal Installation

Minimum Lamp Compartment Size  
15" x 15" x 15" (380 x 380 x 380mm)

Caution: The Lamp has been provided with a Safety Cable. It is imperative to Secure Safety Cable to the Fixture, when installed in Vertical Installation.

**Installation:** 100W LED Lamps are designed to Work off 120V to 347V, AC. Ballast (if equipped) must be Bypassed or Removed from the Fixture before installing the Lamp. Eliminating the Ballast saves additional costs related to Maintenance, Energy Consumption and Performance. By-passing Ballast will also ensure that there is no EMI/RF interference. It is **STRONGLY RECOMMENDED** that the Reflector in the Fixture be removed for Optimum Thermal Management and better Heat Dissipation. This will ensure Lumen Maintenance and extend its Working Life.

Failure to follow these Instructions will result in a Damaged Product and will VOID Warranty. It could also result in an Electric Shock, or Fire.

### Warning - Risk of Fire or Electric Shock

- Disable all Power to the Lamp before Inspection, Installation, or Removal. Failure to do so will create a Hazardous and Fatal Working Environment.
- Suitable for use in Dry and Damp Locations. Lamp must be installed in accordance with National, State, and/or Local Electrical Codes. Do Not Open – No User Serviceable Parts Inside.
- Operate in Fixtures that provide the Free Flow of Air around the Lamp Heat Sink. In Enclosed Fixtures, ensure the Lamp has enough Space for Heat Dissipation. This will ensure Lumen Maintenance and extend its Working Life. When products are used in Outdoor Fixtures, ensure the space is Waterproof and Well Ventilated.
- Not for use on a Dimmer or Remote Controls. This Lamp must be controlled only by either a Switch or an Electronic Photosensor. Do not use a Mechanical Sensor.
- Not intended for use with Emergency Exit Fixtures or Emergency Exit Lights.
- Caution: When Installing Lamps in Corrosive Environments, HyLite suggests that a High-Temperature, Moisture-Resistant, Silicone Grease or Sealant be used to protect the Metal-threaded Base of the LED Lamp to prevent Water and/or Moisture Incursion that can lead to Premature Degradation of the Lamp Base and eventual Lamp Failure. This is especially recommended for LED Lamp installations near Saltwater Bodies.
- Installing Surge/Lightning Protectors is Highly Recommended and helps to Eliminate Premature Driver Failure caused by Surges and Power Fluctuations.