HyLite™ LED Lighting
LED OMNI-COB™

HyLite High Performance LED Omni-Cob Lamps - Up to 60,000 hour* Rated Design Life. Outstanding Quality of Light with Energy Savings of 90% over Incandescent, 75% over HPS / MH Lamps and 67% over CFL.

400W MH / HPS Equivalent

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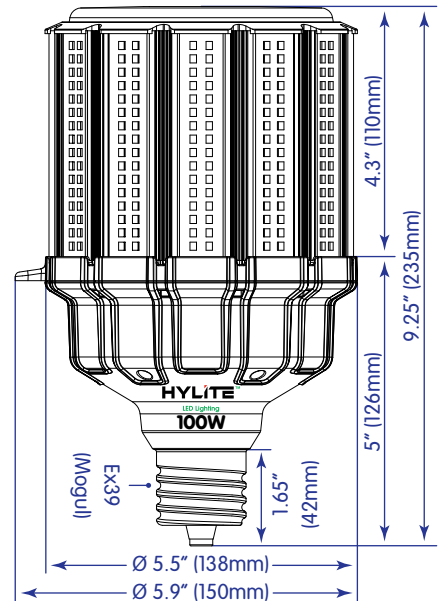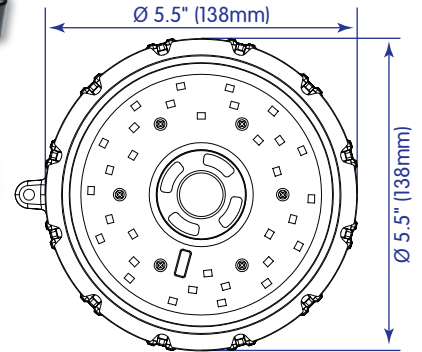
Enhances Vision for Better Optical Acuity, reduces Light Pollution, and provides 360° of Clean, Bright Light. Suitable for Fully-enclosed Fixtures, it is an Ideal Replacement for CFL, MV, HID, and HPS Lamps in existing E39/E40 (Mogul) Base Fixtures.

FREE! 20 kA In-line Surge Protection Device Included. Additional Protection for your HyLite Omni-Cob Lamp at no Cost!

HL-SPD-20K

Ø 5.5" (138mm)
Ø 5.5" (138mm)

- 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. Includes a Free 20kA in-line Surge Protection Device for added 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.
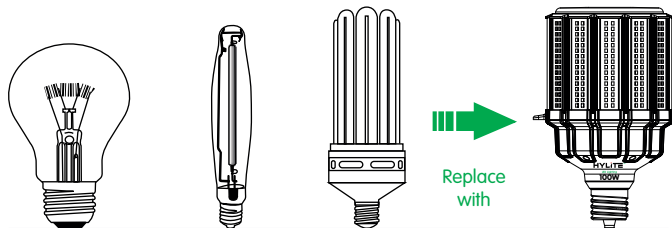
HyLite 100W OC-100W-50K

4.3" (110mm)
9.25" (235mm)
5" (126mm)
1.65" (42mm)
Ex39 (Mogul)
Ø 5.5" (138mm)
Ø 5.9" (150mm)

Suitable for Damp Locations | Enclosed Fixtures

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

Replace with

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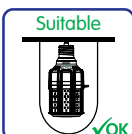
Mercury Free

98% RECYCLABLE

NO LEAD, MERCURY, HEAVY METALS OR TOXIC GASES

cETLus FC CE Pb lead-free RoHS 2011/65/EU

⚠ 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.
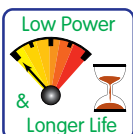
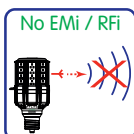| OmniDirectional	Suitable	Energy Costs	Low Power	Lumen Efficacy	No IR/UV	No EMi / RFi	Solid State	Reliability	Warranty
360° Illumination	For Enclosed Luminaires	Reduction of up to 90%	Up to 60,000 Hours	141 LpW LM-79 Tested	Radiation-Free No Humming	Zero Interference	Vibration and Shock Resistant	LM-80 Tested ISTMT Tested	5 Years Safe and Reliable
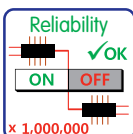
HyLite™
LED Lighting

As part of the company's continuous product improvement program, HyLite reserves the right to change materials or modify the design of its product without notification. All Specifications subject to change without notice. All values are design and/or typical values when measured under laboratory conditions. Actual Values depend upon the ambient temperature of the installation location. Please consult factory for your specific requirements.

LED OMNI-COB™

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
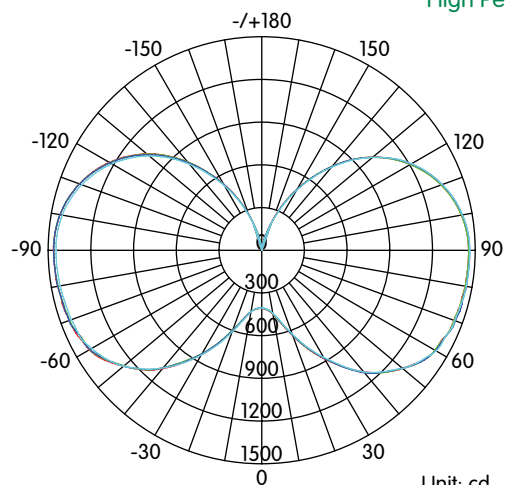
Intensity: (Unit: cd)
Average Beam Angle (50%): 322.9°

— C0/180, 323.3°
— C30/210, 322.8°
— C60/240, 322.9°
— C90/270, 322.7°

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	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.)

Angle: 90.0°

Ideal for high-quality illumination in:

- Area Lighting
- Manufacturing
- Arena
- High Bay Lighting
- Gymnasiums
- High Ceiling
- Warehouse Lighting
- Cold Storage
- 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.