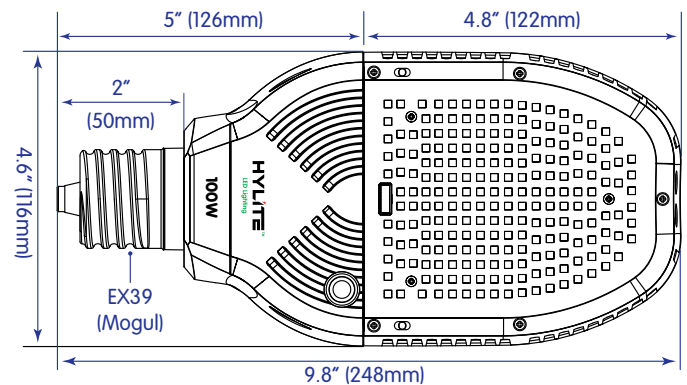


High Performance LED Arc-Cob Lamp, 100W

Designed for Easy Installation in New and Existing Fixtures, the HyLite LED Arc-Cob Lamp features Excellent Optics for Increased Visibility, and Low Power Consumption, saving up to 90% on Electricity Costs. With a Lamp Life of up to 60,000 hours, the HyLite LED Arc-Cob Lamps Significantly Reduce Relamping costs, thus decreasing Maintenance and Disposal Costs.

The HyLite LED Arc-Cob Lamp Enhances Vision for better Optical Acuity, and Reduces Light Pollution (No Wasted Light). Suitable for Fully Enclosed Fixtures, its Compact Size makes it the ideal Replacement for CFL, MV, HID, and HPS Lamps in Various Applications.

- Fully Encapsulated: High-Shock & High-Vibration Resistant
- Instant Start and Restart: No Warm-up Time required
- Quick & Easy Installation: No Ballast necessary. Direct Retrofit into existing Socket by simply Bypassing the Ballast.
- Extremely Efficient: High Lumen Efficacy: 140 LpW with High CRI >80
- 350° Rotatable Base for Directional Lighting
- Heat & Impact Resistant, UV Protected, Optical Grade Lens
- Safe & Reliable: Isolated Circuit Design. Integral 4 kV Surge Suppressor and Protection. Includes a Free 20kA in-line Surge Protection Device for added Protection
- Good Heat Dissipation with Proprietary-designed Heat Sink
- No Electro-Magnetic (EMi) or Radio Frequency Interference (RFi)
No UV Radiation – Does Not Attract Insects
- Universal Voltage: 120-347V, AC
- Ingress Protection: IP64. Complete protection against Contact, Dust Infiltration, and Water Splashes.
- Safe: Contain No Hazardous Materials; RoHS Compliant: No Lead, Mercury, Toxic Metals or Arsenic Gases. No Disposal Requirements.
- Environmentally Friendly: 98% of the HyLite LED Lamp is Recyclable



Suitable for
Damp Locations Enclosed Fixtures



98%
RECYCLABLE



NO

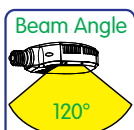
LEAD, MERCURY,
HEAVY METALS
OR TOXIC GASES



Lamp can be Oriented in any Position
- Does Not Affect or Diminish the Lamp Life

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%!



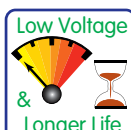
Wide &
Uniform



For Enclosed
Luminaires



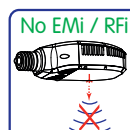
Reduction of
up to 90%



Up to
60,000 Hours



Vibration and
Shock Resistant



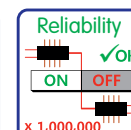
Zero
Interference



Radiation-Free
No Humming



140 LpW
LM-79 Tested



LM-80 Tested
ISTMT Tested



Reliable and
Long-Lasting

Model No.	Watts	Delivered Lumens	Suggested Install Height	Input Line Current	Base Type	Dimensions & Weight (each)		
						Diameter	Height	Weight
HL-AC-100W-EX39	100	13777	<33 ft. (10m)	288~835mA	E39/E40 (Mogul)	4.6" (116mm)	9.8" (248mm)	3.1 lb. (1360g)

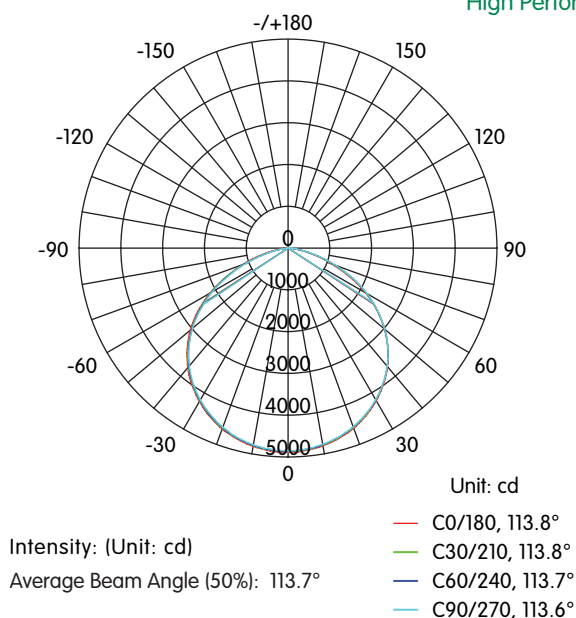
- Minimum Lamp Compartment Dimensions for Enclosed Fixtures: 15" x 15" x 15" (380 x 380 x 380mm)
- To Prevent early Lamp Failure, Lamp should only be installed in Operating Environments ranging from a Minimum of -40°C (-40°F) to a Maximum of +55°C (131°F)
- Efficacy: 140 LpW
- CRI: >80
- Beam Angle: 110°~120°
- Max. THD (%): <20%
- Universal Input Voltage
- Power Factor: >0.94
- 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

*Depending upon the ambient temperature of the installation location

High Performance LED Arc-Cob Lamp, 100W

Photometrics

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



Flux Out: 10560 lm

Height	EAvg/Emax	Angle: 113.19°	Diameter
1 m (3.3 ft.)	1418/4889 lx (131.7/454.2 fc)		3.03 m (9.9 ft.)
2 m (6.6 ft.)	354.4/1222 lx (32.9/113.5 fc)		6.07 m (19.9 ft.)
3 m (9.9 ft.)	157.5/543.2 lx (14.6/50.5 fc)		9.10 m (29.9 ft.)
4 m (13.1 ft.)	88.6/305.5 lx (8.2/28.4 fc)		12.13 m (39.8 ft.)
5 m (16.4 ft.)	56.7/195.5 lx (5.3/18.2 fc)		15.16 m (49.7 ft.)
6 m (19.7 ft.)	39.4/135.8 lx (3.7/12.6 fc)		18.20 m (59.7 ft.)
7 m (23.0 ft.)	28.9/99.8 lx (2.7/9.3 fc)		21.23 m (69.7 ft.)
8 m (26.3 ft.)	22.2/76.4 lx (2.1/7.1 fc)		24.26 m (79.6 ft.)
9 m (29.5 ft.)	17.5/60.4 lx (1.6/5.6 fc)		27.30 m (89.6 ft.)
10 m (32.8 ft.)	14.2/48.9 lx (1.3/4.5 fc)		30.33 m (99.5 ft.)

Thermax™ - Proprietary Thermal Management System: HyLite 100W Arc-Cobs use both Active and Passive Cooling making it an Excellent Retrofit. Active Cooling uses no Bearings, Brushes, or other Frictional Parts to Rub or Wear-out and has Extremely Low Acoustical Emissions.

Longer LED Life is assured by Thermax™ our Proprietary Thermal Management System that Controls Current Levels to the LEDs based on Temperature. At 149°F (65°C) the Arc-Cob begins to Cut-back on the Current to the LEDs to either Maintain, or Reduce the Temperature Back-down to 149°F (65°C), assuring Cooler Operation and Longer Life.



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.