

PHILIPS

LED lamps

CorePro Glass LED HID lamps

For a range of indoor
and outdoor applications



Easy upgrade from HID lamps to LED with a perfect-fit solution

The new Philips CorePro Glass LED HID lamps offer an easy and short payback solution to replace High Intensity Discharge (HID) lamps. They bring all the energy efficiency and long-life benefits of LED to HID replacement, while providing instant savings from a low initial investment.

These lamps are designed with an optimal lamp size as well as light distribution with a familiar look and feel as conventional HID lamps. The unique High-Power LED filament technology in a full glass bulb makes this possible. Easily retrofit for outdoor and indoor applications.

Benefits

- Compact design that is the perfect fit with existing HID fixtures
- Frosted Glass Housing for same look and feel as conventional HID
- Patented High Power LED filament design for superior light quality and uniformity
- Suitable for indoor and outdoor applications
- Suitable for both Enclosed and open fixtures
- Low initial investment and short payback time

Features

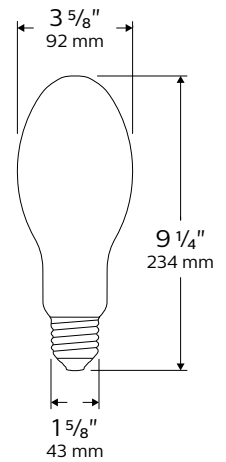
- Operational temperature range of -20-45°C
- 2KV Surge protection
- UL-Type B Ballast Bypass lamps
- CRI 80 enable suitability for both indoor and outdoor applications
- Flexible product for use in multiple applications:
 - Public streets and roads
 - Parks, Squares, Plazas and public areas
 - Industrial buildings and warehouses

Philips CorePro Glass LED HID lamps

Ordering, electrical and technical data (Subject to change without notice)



Product No. (6nc)	Model No. (12nc)	Description	Watts (W)	Replace Watts (W)	Lumens (lm)	CRI (min)	CCT (K)	Lifetime ¹ (hrs)	Dimension (HxL inches)	Dimension (W diameter)	Qty per pallet
CorePro Corn Cob Glass (120/277V) - Launched November 2021											
W E	577593	929003150604	32	100	5000	80	5000	25,000	9.21	3.6	510
W E	577601	929003150704	36	150	5900	80	5000	25,000	9.21	3.6	510
W E	577577	929003154804	32	100	4600	80	3000	25,000	9.21	3.6	510
W E	577585	929003154904	36	150	5200	80	3000	25,000	9.21	3.6	384
CorePro Corn Cob Glass E26 (120/277V) - Pending Launch 2022											
W E	578815	929003507404	14	70	2000	80	3000	25000	7.2	2.99	480
W E	578823	929003507504	14	70	2000	80	4000	25000	7.2	2.99	480
W E	578831	929003507604	14	70	2000	80	5000	25000	7.2	2.99	480
W E	578849	929003507704	19	100	3000	80	3000	25000	7.2	2.99	480
W E	578856	929003507804	19	100	3000	80	4000	25000	7.2	2.99	480
W E	578864	929003507904	19	100	3000	80	5000	25000	7.2	2.99	480
W E	578872	929003508004	28	125	4000	80	3000	25000	7.72	2.99	480
W E	578880	929003508104	28	125	4000	80	4000	25000	7.72	2.99	480
W E	578898	929003508204	28	125	4000	80	5000	25000	7.72	2.99	480
CorePro Corn Cob Glass EX39 (120/277V) - Pending Launch 2022											
W E	578914	929003508304	34	150	5000	80	3000	25000	8.58	3.6	240
W E	578922	929003508404	34	150	5000	80	4000	25000	8.58	3.6	240
W E	578930	929003508504	34	150	5000	80	5000	25000	8.58	3.6	240
W E	578948	929003508604	38	175	6000	80	3000	25000	8.58	3.6	240
W E	578954	929003508704	38	175	6000	80	4000	25000	8.58	3.6	240
W E	578962	929003508804	38	175	6000	80	5000	25000	8.58	3.6	240



1. Tested to B50 L70 requirement. LED lifetime means the length of time (in hours) until half of the LED light sources maintain at least 70% of their initial lumen output (B50, L70).
W = Wet location
E = Suitable for enclosed fixtures

Energy saving solution

For Glas LED		using a 100w MH lamp with ballast	
Present Wattage	195 watts	Present Wattage	130 watts
× Annual operating hours	4,000 hours	× Annual operating hours	4,000 hours
=	780,000 watt-hours	=	520,000 watt-hours
÷ 1,000	= 780 kWh per year	÷ 1,000	= 520 kWh per year
× kWh rate of \$0.11	= \$85.80 per year	× kWh rate of \$0.11	= \$57.20 per year
× 100 lamps	= \$8,580.00 annual energy cost	× 100 lamps	= \$5,720.00 annual energy cost
Estimated lighting costs using a Philips High bay LED lamp		using a Philips Corn cob LED lamp	
Present Wattage	36 watts	Present Wattage	32 watts
× Annual operating hours	4,000 hours	× Annual operating hours	4,000 hours
=	144,000 watt-hours	=	128,000 watt-hours
÷ 1,000	= 144 kWh per year	÷ 1,000	= 128 kWh per year
× kWh rate of \$0.11	= \$15.84 per year	× kWh rate of \$0.11	= \$14.08 per year
× 100 lamps	= \$1,584.00 annual energy cost	× 100 lamps	= \$1,408.00 annual energy cost
Total estimated savings	\$6,996.00 annual savings	Total estimated savings	\$4,312.00 annual savings

Based on 100 lamps per space operating at 4000 hours per year.

1. LED lifetime means the length of time (in hours) until half of the LED light sources maintain at least 70% of their initial lumen output (B50, L70). Lamps rated 50,000 hours is for bare lamp without fixture.

This example shows an application of 100 lamps accenting a space, operating 4,000 hours. Your actual savings may vary depending on the energy costs in your geographic location.

WARNINGS AND CAUTIONS

Risk of property damage or personal injury – The weight of the lamp is within the UL weight specification of a mogul (E39) base. However, before installing the lamp please ensure that the lamp holder (or socket) is not damaged or loose. The lamp holder (or socket) must be secured firmly to the fixture. If the lamp holder is damaged, corroded, charred or blackened, it must be replaced.

CAUTION: Risk of electric shock – do not use where directly exposed to water.

NOTES: This device complies with Part 15 of the FCC rule. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This Class B digital apparatus complies with Canadian ICES-005. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This lamp is suitable for dry and/or damp locations (indoor & outdoor applications). Suitable for use in outdoor luminaires as these luminaires provide a damp location for the lamp. This lamp is suitable for use in totally enclosed luminaires.



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