



## Easy upgrade from HID lamps to LED with a seamless 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

- Ideal retrofit lamp for existing HID fixtures
- Frosted & Clear Glass options
- Suitable for indoor and outdoor applications
- Suitable for enclosed fixtures
- Low initial investment and short payback time
- EX39 mogul-based lamps are DLC 5.1 listed (rebate-enabled)
- Patented High Power LED filament design for superior light quality and uniformity

### Features

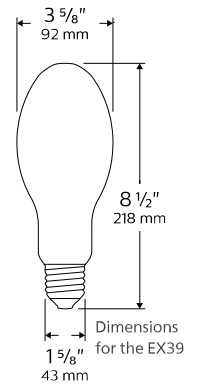
- Mains input 120V-277V, ballast bypass
- Operational temperature range of -20-45°C
- Surge protection of 2KV
- UL-Type B Ballast Bypass lamps
- CRI 80 enable suitability for both indoor and outdoor applications
- Flexible product for use in multiple applications:
  - Public streets and roads
  - Parks, Squares, Plazas and public areas
  - Industrial and retail 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	Shape	Watts (W)	Replace Watts (W)	Lumens (lm)	CRI (min)	CCT (K)	Lifetime <sup>1</sup> (hrs)	Dims. (HxL in)	Dims. (W dia.)	Qty per pallet		
<b>CorePro Corn Cob Glass E39 (120/277V)</b>														
W E	578815	929003507404	14GC/LED/830/ND E26 BB 6/1	ED75	14	70	2000	80	3000	25000	7.2	2.99	480	Phase out
W E	578823	929003507504	14GC/LED/840/ND E26 BB 6/1	ED75	14	70	2000	80	4000	25000	7.2	2.99	480	Phase out
W E	578831	929003507604	14GC/LED/850/ND E26 BB 6/1	ED75	14	70	2000	80	5000	25000	7.2	2.99	480	Phase out
W E	588137	929003772404	15GC/LED/830/ND E26 BB 6/1	ED17	15	70	2300	80	3000	25000	5.43	2.2	672	NEW
W E	588145	929003772504	15GC/LED/840/ND E26 BB 6/1	ED17	15	70	2500	80	4000	25000	5.43	2.2	672	NEW
W E	588152	929003772604	15GC/LED/850/ND E26 BB 6/1	ED17	15	70	2500	80	5000	25000	5.43	2.2	672	NEW
W E	578849	929003507704	19GC/LED/830/ND E26 BB 6/1	ED75	19	100	3000	80	3000	25000	7.2	2.99	480	
W E	578856	929003507804	19GC/LED/840/ND E26 BB 6/1	ED75	19	100	3000	80	4000	25000	7.2	2.99	480	
W E	578864	929003507904	19GC/LED/850/ND E26 BB 6/1	ED75	19	100	3000	80	5000	25000	7.2	2.99	480	
W E	588160	929003772704	25GC/LED/830/ND E26 BB 6/1	ED23.5	28	125	4000	80	3000	25000	7.72	2.99	390	NEW
W E	588178	929003772804	25GC/LED/840/ND E26 BB 6/1	ED23.5	28	125	4000	80	4000	25000	7.72	2.99	390	NEW
W E	588186	929003772904	25GC/LED/850/ND E26 BB 6/1	ED23.5	28	125	4000	80	5000	25000	7.72	2.99	390	NEW
W E	578914	929003508304	34GC/LED/830/ND EX39 BB 6/1	ED90	34	150	5000	80	3000	25000	8.58	3.6	240	Phase out
W E	578922	929003508404	34GC/LED/840/ND EX39 BB 6/1	ED90	34	150	5000	80	4000	25000	8.58	3.6	240	Phase out
W E	578930	929003508504	34GC/LED/850/ND EX39 BB 6/1	ED90	34	150	5000	80	5000	25000	8.58	3.6	240	Phase out
W E	578948	929003508604	38GC/LED/830/ND EX39 BB 6/1	ED90	38	175	6000	80	3000	25000	8.58	3.6	240	Phase out
W E	578954	929003508704	38GC/LED/840/ND EX39 BB 6/1	ED90	38	175	6000	80	4000	25000	8.58	3.6	240	Phase out
W E	578962	929003508804	38GC/LED/850/ND EX39 BB 6/1	ED90	38	175	6000	80	5000	25000	8.58	3.6	240	Phase out
W E	588194	929003773004	34GC/LED/830 EX39 BB 6/1	ED28	34	100	5400	80	3000	50000	8.5	3.6	240	NEW
W E	588202	929003773104	34GC/LED/840 EX39 BB 6/1	ED28	34	100	6000	80	4000	50000	8.5	3.6	240	NEW
W E	588210	929003773204	34GC/LED/850 EX39 BB 6/1	ED28	34	100	6000	80	5000	50000	8.5	3.6	240	NEW
W E	588228	929003773304	45GC/LED/830 EX39 BB 6/1	ED28	45	100	6800	80	3000	50000	9.53	3.6	240	NEW
W E	588236	929003773404	45GC/LED/840 EX39 BB 6/1	ED28	45	175	7500	80	4000	50000	9.53	3.6	240	NEW
W E	588244	929003773504	45GC/LED/850 EX39 BB 6/1	ED28	45	175	7500	80	5000	50000	9.53	3.6	240	NEW
W E	588251	929003773604	54GC/LED/830 EX39 BB 6/1	ED32	54	175	9000	80	3000	50000	9.57	4.07	192	NEW
W E	588269	929003773704	54GC/LED/840 EX39 BB 6/1	ED32	54	175	10000	80	4000	50000	9.57	4.07	192	NEW
W E	588277	929003773804	54GC/LED/850 EX39 BB 6/1	ED32	54	175	10000	80	5000	50000	9.57	4.07	192	NEW



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 Glass LED		
Estimated lighting costs using 150W MH lamp w/ballast		using 100W MH lamp w/ballast
Present Wattage	195 watts	175 watts
× Annual operating hours	4,000 hours	4,000 hours
=	780,000 watt-hours	520,000 watt-hours
÷ 1,000	= 780 kWh per year	= 520 kWh per year
× kWh rate of \$0.11	= \$85.80 per year	= \$57.20 per year
× 100 lamps	= \$8,580.00 annual energy cost	= \$5,720.00 annual energy cost
Estimated lighting costs using Philips High bay LED lamp		using Philips Corn cob LED lamp
Present Wattage	36 watts	45 watts
× Annual operating hours	4,000 hours	4,000 hours
=	144,000 watt-hours	128,000 watt-hours
÷ 1,000	= 144 kWh per year	= 128 kWh per year
× kWh rate of \$0.11	= \$15.84 per year	= \$14.08 per year
× 100 lamps	= \$1,584.00 annual energy cost	= \$1,408.00 annual energy cost
<b>Total estimated savings</b>	<b>\$6,996.00 annual savings</b>	<b>\$4,312.00 annual savings</b>

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

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/EX39/E26) 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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