



PHILIPS

LED lamps

CornCobs

**REAL
PROs**
**REAL
QUALITY**

MasterClass and CorePro **CornCobs**

Offering the light output and dependability
of HID with all the benefits of LED

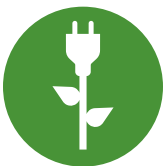
Good things come in small packages

Philips Corn Cob HID replacement lamps provide the perfect fit for every space

Offering the light output and dependability of HID with all the benefits of LED:
Energy savings, longer life, improved lumen, color maintenance, instant-on and superior surge protection.



Powerful reasons to switch from HID to LED



Energy savings
up to 75%



Direct LED replacement
solution without
replacing the fixture



Reliable lifetime
up to 50.000 hours



Optically efficient,
emits light towards
usage direction

Upgrade your HID lighting to LED and benefit from **instant savings and low initial costs**

- **Hassle-free installation** for safer and faster adoption – no need to replace existing fixture
- **Sustainability** – low energy consumption
- **Enhance comfort, safety and productivity**
- **Low heat dissipation** – provide a cooler environment and reduce air-conditioning cost

TrueForce MasterClass

HID replacement lamps

Brighter, lightweight, high performance lighting to suit your application specific needs

TrueForce LED range is perfectly suitable for industry and retail lighting as well as urban lighting solutions.



CorePro

HID replacement lamps

The affordable, versatile lighting you need for many applications backed by Philips quality standards

- High Lumen output options at a competitive price
- No visible flickering or stroboscopic effect
- Color consistency over long life
- Passive cooling system
- Ballast Bypass lamps



Get the perfect fixture fit at an affordable price



Our new, smaller Philips CorePro LED Corn Cob lamps replace conventional metal halide and high pressure sodium lamps, making it hassle-free to retrofit and maximize efficiency. Designed to fit fixtures in most relevant applications, these omni-directional ballast-bypass lamps offer an ideal and affordable way to upgrade existing HID fixtures to the latest LED technology.

Benefits

- Passive Cooling lamps eliminate fan noise and reduces moving parts which require additional maintenance over time
- Up to 70% energy savings¹
- Long life lowers maintenance costs by reducing re-lamp frequency
- UL Type B solution allows installer to bypass the ballast and reduce maintenance costs

Features

- Offered in both mogul-based and medium-based options
- Wide ambient temperature operating range from -40°F to +113°F (-40°C to +45°C)
- Mogul-based lamps are DLC rated
- UL damp rated (UL1993 + UL1598C)
- Built in surge protection
- Passive cooling
- Available in 3000K, 4000K and 5000K color temperatures (CCT)
- Universal burn positioning
- Suitable for both enclosed and open fixtures
- 5-year limited warranty²
- Additional High Wattage Corn Cob lamps available in our MasterClass range

For more details visit <https://www.usa.lighting.philips.com/products/product-highlights/led-hid-replacements>

1. LED system watts of 36 compared to 120 of a CI00554/ALTO.

2. Depending upon operating hours. For details please visit www.signify.com/warranties.

CorePro LED Corn Cob lamps

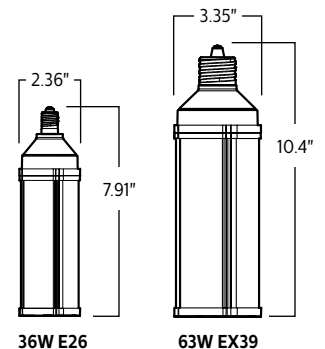
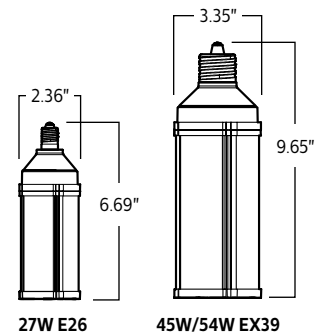
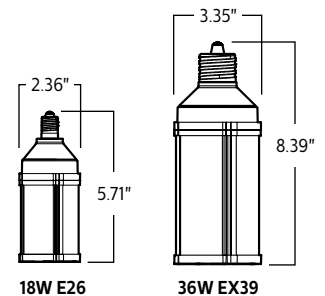
Ordering, electrical and technical data (Subject to change without notice)



Dimensions

	Product No. (6nc)	Model No. (12nc)	Description	Watts (W)	Replace Watts (W)	Lumens (lm)	Volts (V)	CRI (min)	CCT (K)	Lifetime ¹ (hrs)	Qty per pallet
CorePro E26 lamps											
D E	559633	929002395204	18CC/LED/830/ND E26 G2 BB 6/1	18	50-70	2300	120-277	80	3000	50,000	900
D E	559641	929002395304	18CC/LED/840/ND E26 G2 BB 6/1	18	50-70	2400	120-277	80	4000	50,000	900
D E	559658	929002395404	18CC/LED/850/ND E26 G2 BB 6/1	18	50-70	2500	120-277	80	5000	50,000	900
D E	559666	929002395504	27CC/LED/830/ND E26 G2 BB 6/1	27	70-100	3500	120-277	80	3000	50,000	720
D E	559674	929002395604	27CC/LED/840/ND E26 G2 BB 6/1	27	70-100	3700	120-277	80	4000	50,000	720
D E	559682	929002395704	27CC/LED/850/ND E26 G2 BB 6/1	27	70-100	3800	120-277	80	5000	50,000	720
D E	559690	929002395804	36CC/LED/830/ND E26 G2 BB 6/1	36	100-150	5000	120-277	80	3000	50,000	456
D E	559708	929002395904	36CC/LED/840/ND E26 G2 BB 6/1	36	100-150	5200	120-277	80	4000	50,000	456
D E	559716	929002396004	36CC/LED/850/ND E26 G2 BB 6/1	36	100-150	5400	120-277	80	5000	50,000	456
CorePro EX39 lamps											
D E	559724	929002396104	36CC/LED/830/ND EX39 G2 BB 6/1	36	100-150	5000	120-277	80	3000	50,000	456
D E	559732	929002396204	36CC/LED/840/ND EX39 G2 BB 6/1	36	100-150	5200	120-277	80	4000	50,000	456
D E	559740	929002396304	36CC/LED/850/ND EX39 G2 BB 6/1	36	100-150	5400	120-277	80	5000	50,000	456
D E	559757	929002396404	45CC/LED/830/ND EX39 G2 BB 6/1	45	150-175	6200	120-277	80	3000	50,000	342
D E	559765	929002396504	45CC/LED/840/ND EX39 G2 BB 6/1	45	150-175	6500	120-277	80	4000	50,000	342
D E	559773	929002396604	45CC/LED/850/ND EX39 G2 BB 6/1	45	150-175	6700	120-277	80	5000	50,000	342
D E	559781	929002396704	54CC/LED/830/ND EX39 G2 BB 6/1	54	150-250	7500	120-277	80	3000	50,000	342
D E	559799	929002396804	54CC/LED/840/ND EX39 G2 BB 6/1	54	150-250	7800	120-277	80	4000	50,000	342
D E	559807	929002396904	54CC/LED/850/ND EX39 G2 BB 6/1	54	150-250	8000	120-277	80	5000	50,000	342
D E	559815	929002397004	63CC/LED/830/ND EX39 G2 BB 6/1	63	175-250	8600	120-277	80	3000	50,000	342
D E	559823	929002397104	63CC/LED/840/ND EX39 G2 BB 6/1	63	175-250	9000	120-277	80	4000	50,000	342
D E	559831	929002397204	63CC/LED/850/ND EX39 G2 BB 6/1	63	175-250	9200	120-277	80	5000	50,000	342

D = Damp location E = Enclosed fixtures



Energy saving solution

For CorePro LED Corn Cob G2 Passive cooling 63w

Estimated lighting costs using a 175 MH lamp with ballast

Present Wattage	201 watts
* Annual operating hours	4,000 hours
=	804,000 watt-hours
÷ 1,000	= 804 kWh per year
* kWh rate of \$0.11	= \$88.44 per year
* 100 lamps	= \$8,844.00 annual energy cost

Estimated lighting costs using a Philips Corn cob LED lamp

Present Wattage	63 watts
* Annual operating hours	4,000 hours
=	252,000 watt-hours
÷ 1,000	= 252 kWh per year
* kWh rate of \$0.11	= \$27.72 per year
* 100 lamps	= \$2,772.00 annual energy cost

Total estimated savings \$6,072.00 annual savings

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

This example shows an application of 100 lamps, 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.

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.



The “Perfect Fit” with uncompromising efficacy and color quality



Philips MasterClass High Lumen Corn Cob lamps offer market leading HID replacements in a new, smaller size. Each lamp is specifically designed to meet the **ANSI** profiles of the traditional lamps they are replacing, delivering the ideal LED upgrade solution.

Benefits

- Up to 70% energy savings¹
- Delivers up to 400W replacements
- Long life lowers maintenance costs by reducing re-lamp frequency
- **Fits within industry ANSI outline offering perfect-fit in all HID fixtures**
- UL Type B lamps allow installer to bypass the ballast and reduce maintenance costs

Features

- Includes additional safety cable for secure installation
- Suitable for both enclosed and open fixtures
- Operational temperature range of -20°C to 55°C
- CRI 80 lamps enable both indoor and outdoor applications where color quality matters
- UL damp rated (UL1993 + UL1598C)
- Active Cooling thermal system
- Built in 8KV surge protection
- Available in both 4000K and 5000K color temperatures (CCT)
- UL Type B system solution
- 5-year limited warranty²

¹ LED system watts of 35 compared to 130 of a C100554/ALTO.

² Depending upon operating hours. For details please visit www.signify.com/warranties.

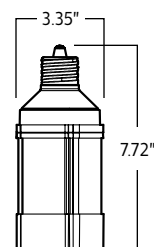
TrueForce MasterClass LED High Lumen Corn Cob lamps

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

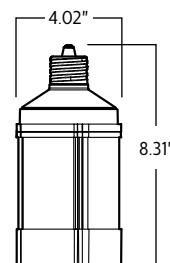


Dimensions

Product No. (6nc)	Model No. (12nc)	Description	Watts (W)	Replace Watts (W)	Lumens (lm)	Volts (V)	CRI (min)	Lifetime ¹ (hrs)	CCT (K)
MasterClass EX39 lamps									
559849	929002397304	80CC/LED/840/ND EX39 G2 BB 3/1	80	175-250	12000	120-277	80	50,000	4000
559856	929002397404	80CC/LED/850/ND EX39 G2 BB 3/1	80	175-250	12000	120-277	80	50,000	5000
559864	929002397504	115CC/LED/840/ND EX39 G2 BB 3/1	115	250-400	18000	120-277	80	50,000	4000
559872	929002397604	115CC/LED/850/ND EX39 G2 BB 3/1	115	250-400	18000	120-277	80	50,000	5000
559880	929002397704	150CC/LED/840/ND EX39 G2 BB 3/1	150	320-400	24000	120-277	80	50,000	4000
559898	929002397804	150CC/LED/850/ND EX39 G2 BB 3/1	150	320-400	24000	120-277	80	50,000	5000



80W EX39



115W/150W EX39

Energy saving solution

For TrueForce Corn Cob G2 Active cooling 150w

Estimated lighting costs using a 400 MH lamp with ballast

Present Wattage	458 watts
* Annual operating hours	4,000 hours
=	1,832,000 watt-hours
÷ 1,000	= 1,832 kWh per year
* kWh rate of \$0.11	= \$201.52 per year
* 100 lamps	= \$20,152.00 annual energy cost

Estimated lighting costs using a Philips Corn Cob LED lamp

Present Wattage	150 watts
* Annual operating hours	4,000 hours
=	600,000 watt-hours
÷ 1,000	= 600 kWh per year
* kWh rate of \$0.11	= \$66.00 per year
* 100 lamps	= \$6,600.00 annual energy cost
Total estimated savings	\$13,552.00 annual savings

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

This example shows an application of 100 lamps, 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.

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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.





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Signify North America Corporation
200 Franklin Square Drive,
Somerset, NJ 08873
Telephone 855-486-2216

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Signify Canada Ltd.
281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Telephone 800-668-9008