MasterClass and CorePro CornCobs

Description goes here
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 savings
- 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 warranty
- 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 C100S54/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)

<table>
<thead>
<tr>
<th>Product No. (G2c)</th>
<th>Model No. (G2c)</th>
<th>Description</th>
<th>Watts (W)</th>
<th>Replace Watts (W)</th>
<th>Lumens (lm)</th>
<th>Volts (V)</th>
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CorePro EX39 lamps

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For CorePro LED Corn Cob G2 Passive cooling 63W

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Estimated lighting costs using a 175 MH lamp with ballast

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Estimated lighting costs using a Philips Corn cob LED lamp

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<th>Present Wattage</th>
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<td>100 lamps</td>
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Total estimated savings | $6,072.00 annual savings |

Energy saving solution

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 outdoor luminaires as these luminaires provide a damp location for the lamp. Suitable for use in indoor luminaires as these luminaires provide a dry location for the lamp. This lamp is suitable for use in totally enclosed luminaires. Suitable for use in 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 dry and/or damp locations (indoor & outdoor applications).

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 savings
- 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
- DLC Mogul based lamps
- 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 warranty

1. LED system watts of 35 compared to 130 of a C100S54/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)

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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
• 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
• 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

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.

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 (850, L70). Lamps rated 50,000 hours is for bare lamp without fixture.