

PHILIPS

LED lamps

TrueForce MasterClass
High Lumen Corn Cob

For a range of industrial,
commercial and urban applications



Lumen
Select

The "Perfect Fit" & selectable "light levels" with uncompromising efficacy and color quality

Philips MasterClass High Lumen Corn Cob lamps offer market leading HID replacements, now with Lumen selectable technology. Each lamp is specifically designed to be small enough 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 1000W replacements**
- Long life lowers maintenance costs by reducing re-lamp frequency
- **Fits within industry ANSI outline offering perfect-fit in all HID fixtures**
- **Lumen selectable down to 20% output level**
- 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 5.1 mogul based lamps as well as medium based options
- 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 watts of 150w compared to 458w system watts for an MH400/U.

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

Philips LED TrueForce MasterClass High Lumen Corn Cob lamps

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



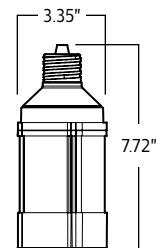
Dimensions

| Product No. (6nc) | Model No. (12nc) | Description | Watts (W) | Replace Watts (W) | Lumens (lm) | Volts (V) | CRI (min) | CCT (K) | Lifetime ¹ (hrs) |
|-------------------------------|------------------|--|-----------|-------------------|-------------|-----------|-----------|---------|-----------------------------|
| MasterClass EX39 lamps | | | | | | | | | |
| 564054 | 929002996104 | 80CC/LED/840/LS EX39 G2 BB 3/1 | 80 | 250 | 12000 | 120-277 | 80 | 4000 | 50,000 |
| 564062 | 929002996204 | 80CC/LED/850/LS EX39 G2 BB 3/1 | 80 | 250 | 12000 | 120-277 | 80 | 5000 | 50,000 |
| 564070 | 929002996404 | 115CC/LED/840/LS EX39 G2 BB 3/1 | 115 | 320 | 18000 | 120-277 | 80 | 4000 | 50,000 |
| 564088 | 929002996504 | 115CC/LED/850/LS EX39 G2 BB 3/1 | 115 | 320 | 18000 | 120-277 | 80 | 5000 | 50,000 |
| 579003 | 929003507004 | 115CC/LED/840/LS EX39 G2 BB 277-480V 3/1 | 115 | 320 | 18000 | 277-480 | 80 | 4000 | 50,000 |
| 579011 | 929003507104 | 115CC/LED/850/LS EX39 G2 BB 277-480V 3/1 | 115 | 320 | 18000 | 277-480 | 80 | 5000 | 50,000 |
| 564096 | 929002996704 | 150CC/LED/840/LS EX39 G2 BB 3/1 | 150 | 400 | 24000 | 120-277 | 80 | 4000 | 50,000 |
| 564112 | 929002996804 | 150CC/LED/850/LS EX39 G2 BB 3/1 | 150 | 400 | 24000 | 120-277 | 80 | 5000 | 50,000 |
| 579029 | 929003507204 | 150CC/LED/840/LS EX39 G2 BB 277-480V 3/1 | 150 | 400 | 23500 | 277-480 | 80 | 4000 | 50,000 |
| 579037 | 929003507304 | 150CC/LED/850/LS EX39 G2 BB 277-480V 3/1 | 150 | 400 | 23500 | 277-480 | 80 | 5000 | 50,000 |
| 564732 | 929003019704 | 450CC/LED/840/LS EX39 BB 3/1 | 450 | 1000 | 65000 | 277-480 | 80 | 4000 | 50,000 |
| 564740 | 929003019804 | 450CC/LED/850/LS EX39 BB 3/1 | 450 | 1000 | 65000 | 277-480 | 80 | 5000 | 50,000 |

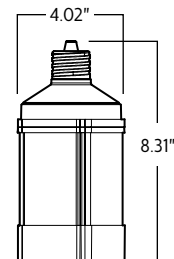


New 277-480V options will be available Q1 2022

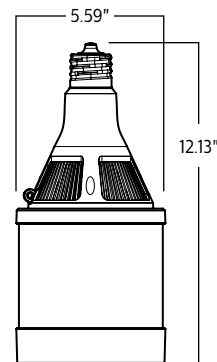
Available in both 120V-277V and high voltage 277V-480V options offering solutions for even more applications.



80W EX39



115W/150W EX39



450W 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 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.

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.



RoHS COMPLIANT

© 2020 Signify Holding. All rights reserved. The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify.

PLT-20016BN 10/22 philips.com/lighting



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

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

Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V. All other trademarks are owned by Signify Holding or their respective owners.