

PHILIPS

LED lamps

TrueForce MasterClass
High Lumen Corn Cob

For a range of industrial,
commercial and urban applications



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.

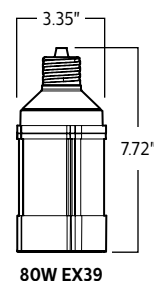
Philips LED TrueForce MasterClass High Lumen Corn Cob lamps

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

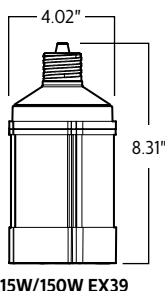


Dimensions

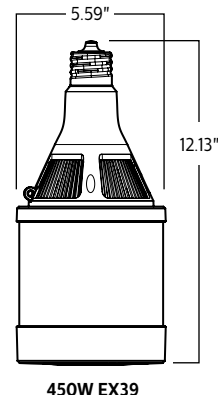
Product No. (6nc)	Model No. (12nc)	Description	Watts (W)	Replace Watts (W)	Lumens (lm)	Volts (V)	CRI (min)	CCT (K)	Lifetime ¹ (hrs)
MasterClass EX39 lamps									
564054	929002996104	80CC/LED/840/LS EX39 G2 BB 3/1	80	250	12000	120-277	80	4000	50,000
564062	929002996204	80CC/LED/850/LS EX39 G2 BB 3/1	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
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
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



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.



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