

# PHILIPS

## LED lamps

### MasterClass Corn Cob with Selectable CCT

For a range of industrial, commercial and urban applications



Lumen  
Select Switch



CCT with  
Select Switch

## The flexibility of perfect light output for multiple applications with one lamp

**MasterClass Corn Cob with Selectable CCT** hassle-free UL Type-B retrofit lamps are designed with lumen and CCT selectable features, offering customizable light output replacing up to 23,500 lumens. Designed to fit fixtures in most relevant applications, these omni-directional ballast-bypass lamps provide an ideal and affordable way to upgrade existing HID fixtures to the latest LED technology.

### Benefits

- Reduce & streamline inventory with three color temperatures in one lamp
- Passive cooling lamps offered in up to 8,500 lumens eliminate fan noise and reduce moving parts which require additional maintenance over time
- Up to 80% energy savings<sup>1</sup>
- Long life lowers maintenance costs by reducing re-lamping frequency
- UL Type B solution allows installer to bypass the ballast and reduce maintenance costs

### Features

- Choose between three color temperatures (CCTs) in one lamp (3000K/ 4000K/ 5000K)
- Built-in switch to select CCT for different applications
- Built-in dial to select lumen output level down to 20% (on select SKUs)
- Built-in surge protection
- Universal burn positioning
- Wide ambient temperature operating range from -22°F to +122°F (-30°C to 55°C)
- DLC 5.1 certified mogul based lamps
- UL damp rated (UL1993 + UL1598C)
- Suitable for both enclosed and open fixtures
- 5-year limited warranty<sup>2</sup>

1. LED system watts of 36 compared to 120 of a C100554/ALTO.

2. Depending upon operating hours. For details please visit [www.signify.com/warranties](http://www.signify.com/warranties).

# Philips LED MasterClass Corn Cob lamps with Selectable CCT



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

Pallet dimensions 47x39x43



Product No. (6nc)	Model No. (12nc)	Description	Watts (W)	Replace Watts (W)	Lumens (lm)	Volts (V)	CRI (min)	CCT (K)	Lifetime <sup>1</sup> (hrs)	Qty per pallet	DLC ID (Type A) <sup>2</sup>
<b>MasterClass EX39 lamps</b>											
D E	570465	929003065204	36CC/LED/3CCT/LS EX39 G3 BB 3/1	36	150	4800/5000/5000	100-277	80	3000/4000/5000	50,000	408 PLBJN6CXJY4T
D E	570473	929003065304	45CC/LED/3CCT/LS EX39 G3 BB 3/1	45	175	5800/6200/6200	100-277	80	3000/4000/5000	50,000	306 PLQBU4L9A885
D E	570481	929003065404	54CC/LED/3CCT/LS EX39 G3 BB 3/1	54	250	7000/7500/7500	100-277	80	3000/4000/5000	50,000	306 PLI2F538JT5L
D E	570499	929003065504	63CC/LED/3CCT/LS EX39 G3 BB 3/1	63	250	7800/8500/8500	100-277	80	3000/4000/5000	50,000	306 PLKHJQIOIQ2U
<b>MasterClass EX39 high lumen lamps</b>											
D E	583682	929003631404	80CC/LED/3CCT/LS EX39 BB 3/1	80	250	11500/12000/12000	120-277	80	3000/4000/5000	50000	360 TBD
D E	583690	929003631504	115CC/LED/3CCT/LS EX39 BB 3/1	115	320	15800/17000/17000	120-277	80	3000/4000/5000	50000	312 TBD
D E	583708	929003631604	145CC/LED/3CCT/LS EX39 BB 3/1	145	400	20500/22000/22000	120-277	80	3000/4000/5000	50000	312 TBD

D = Damp location E = Enclosed fixtures

## Energy saving solution

For MasterClass LED Corn Cob G2 Passive cooling 63w		
Estimated lighting costs	using 175 MH lamp w/ballast	using 400 MH lamp w/ballast
Present Wattage	201 watts	460 watts
* Annual operating hours	4,000 hours	4,000 hours
=	804,000 watt-hours	1,840,000 watt-hours
÷ 1,000	= 804 kWh per year	= 1,840 kWh per year
* kWh rate of \$0.11	= \$88.44 per year	= \$202.40 per year
* 100 lamps	= \$8,844.00 annual energy cost	= \$20,240.00 annual energy cost
Estimated lighting costs using Philips LED MasterClass Corn Cob lamps w/Selectable CCT		
Present Wattage	63 watts	145 watts
* Annual operating hours	4,000 hours	4,000 hours
=	252,000 watt-hours	580,000 watt-hours
÷ 1,000	= 252 kWh per year	= 580 kWh per year
* kWh rate of \$0.11	= \$27.72 per year	= \$63.80 per year
* 100 lamps	= \$2,772.00 annual energy cost	= \$6,380.00 annual energy cost
<b>Total estimated savings</b>	<b>\$6,072.00 annual savings</b>	<b>\$13,830.00 annual savings</b>

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

- 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.
- Lamp may also be DLC certified as a Type C system. Search DLC by model number QPL for more information.

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

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.



© 2023 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.



Signify North America Corporation  
400 Crossing Boulevard,  
Bridgewater, NJ 08807  
Telephone 800-555-0050

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.