

PHILIPS

LED

CorePro Corn Cob high lumen lamps

For a range of industrial,
commercial and urban applications



Maximize energy savings at an affordable price

Philips CorePro LED Corn Cob high lumen lamps replace conventional metal halide & high pressure sodium lamps, making it hassle-free to retrofit and maximize efficiency. These omni-directional ballast-bypass lamps offer an ideal & affordable way to upgrade existing HID fixtures to the latest LED technology.

Benefits

- Up to 70% energy savings¹
- Long life lowers maintenance costs by reducing re-lamp frequency
- Type B lamps allow installer to bypass the ballast and reduce maintenance costs

Features

- Offered in both mogul based and medium based options
- Suitable for both enclosed and open fixtures

- Mogul based lamps are DLC rated
- UL damp rated (UL1993 + UL1598C)
- UL Type B solution – Ballast Bypass
- Built in surge protection²
- Passive cooling
- Available in 3 color temperatures (CCT): 3000K, 4000K and 5000K
- Universal burn for 27W, 36W, 54W & 63W. Base up/base down operation for 100W/120W.
- 5-year limited warranty depending upon operating hours³

1. LED system watts of 36 compared to 120 of a C100S54/ALTO.

2. 4kV surge protection for 63W and below, 6kV surge protection for 100W, 120W.

3. For details, please visit www.signify.com/warranties.

Philips CorePro LED Corn Cob high lumen lamp

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

Product Number	12NC	Description	Watts	Lumens	Volts	CRI	LED Lifetime ¹	CCT	MC/CP ²	Cap	SKU qty. per pallet
Can be used in place of a 70W HID lamp											
D E 557025	929002250314	27CC/LED/830/ND E26 BB 6/1	27	3500	120~277	80	50,000	3000	CP	E26	384
D E 557033	929002250414	27CC/LED/840/ND E26 BB 6/1	27	3600	120~277	80	50,000	4000	CP	E26	384
D E 557041	929002250514	27CC/LED/850/ND E26 BB 6/1	27	3600	120~277	80	50,000	5000	CP	E26	384
D E 557058	929002250614	27CC/LED/830/ND EX39 BB 6/1	27	3500	120~277	80	50,000	3000	CP	EX39	384
D E 557066	929002250714	27CC/LED/840/ND EX39 BB 6/1	27	3600	120~277	80	50,000	4000	CP	EX39	384
D E 557074	929002250814	27CC/LED/850/ND EX39 BB 6/1	27	3600	120~277	80	50,000	5000	CP	EX39	384
Can be used in place of a 100W HID lamp											
D E 557082	929002250914	36CC/LED/830/ND E26 BB 6/1	36	4700	120~277	80	50,000	3000	CP	E26	384
D E 557090	929002251014	36CC/LED/840/ND E26 BB 6/1	36	5000	120~277	80	50,000	4000	CP	E26	384
D E 557108	929002251114	36CC/LED/850/ND E26 BB 6/1	36	5000	120~277	80	50,000	5000	CP	E26	384
D E 557116	929002251214	36CC/LED/830/ND EX39 BB 6/1	36	4700	120~277	80	50,000	3000	CP	EX39	384
D E 557124	929002251314	36CC/LED/840/ND EX39 BB 6/1	36	5000	120~277	80	50,000	4000	CP	EX39	384
D E 557132	929002251414	36CC/LED/850/ND EX39 BB 6/1	36	5000	120~277	80	50,000	5000	CP	EX39	384
Can be used in place of a 150W HID lamp											
D E 557140	929002251514	54CC/LED/830/ND EX39 BB 6/1	54	7200	120~277	80	50,000	3000	CP	EX39	288
D E 557157	929002251614	54CC/LED/840/ND EX39 BB 6/1	54	7500	120~277	80	50,000	4000	CP	EX39	288
D E 557165	929002251714	54CC/LED/850/ND EX39 BB 6/1	54	7500	120~277	80	50,000	5000	CP	EX39	288
Can be used in place of a 175W HID lamp											
D E 557173	929002251814	63CC/LED/830/ND EX39 BB 6/1	63	8400	120~277	80	50,000	3000	CP	EX39	288
D E 557181	929002251914	63CC/LED/840/ND EX39 BB 6/1	63	8800	120~277	80	50,000	4000	CP	EX39	288
D E 557199	929002252014	63CC/LED/850/ND EX39 BB 6/1	63	8800	120~277	80	50,000	5000	CP	EX39	288
Can be used in place of a 250W HID lamp											
D E 553479	929002252104	100CC/LED/830/ND EX39 BB 6/1	100	13000	120~277	80	50,000	3000	CP	EX39	162
D E 553487	929002252204	100CC/LED/840/ND EX39 BB 6/1	100	13500	120~277	80	50,000	4000	CP	EX39	162
D E 553495	929002252304	100CC/LED/850/ND EX39 BB 6/1	100	13500	120~277	80	50,000	5000	CP	EX39	162
Can be used in place of a 400W HID lamp											
D E 553503	929002252404	120CC/LED/830/ND EX39 BB 6/1	120	15500	120~277	80	50,000	3000	CP	EX39	162
D E 553511	929002252504	120CC/LED/840/ND EX39 BB 6/1	120	16000	120~277	80	50,000	4000	CP	EX39	162
D E 553529	929002252604	120CC/LED/850/ND EX39 BB 6/1	120	16000	120~277	80	50,000	5000	CP	EX39	162

1. Lamps rated 50,000 hours is for bare lamp without fixture.

2. MC/CP = MasterClass or CorePro product.

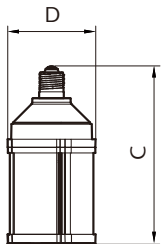
D Damp location.

E Enclosable.

Philips CorePro LED Corn Cob high lumen lamp

Dimensions

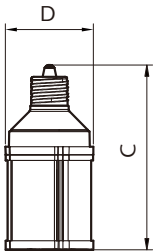
E26



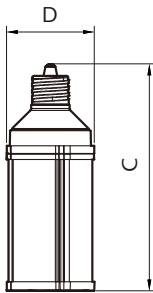
27W/36W

Product Description	C max. Length	D max. Diameter
	mm	mm
27W/36W E26	194	96
27W/36W EX39	203	96
45W/54W EX39	249	96
63W EX39	265	96
100W EX39	278	123
120W EX39	314	123

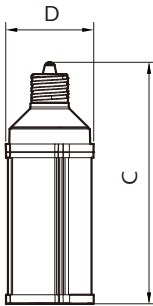
EX39



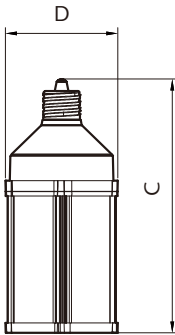
27W/36W



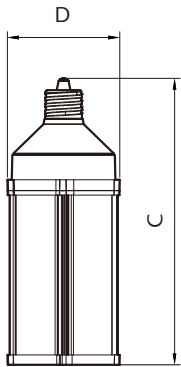
45W/54W



63W



100W



120W

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Energy saving solution

Estimated lighting costs using a 100W HPS lamp on an ANSI S54 ballast		
Present Wattage	120	W
× Annual operating hours	4,000	hrs
	= 480,000	Watt-Hours
÷ 1,000	= 480	kWh per year
× kWh rate of \$0.11	= \$52.80	per year
× 100 lamps	= \$5,280.00	annual energy cost per space
Estimated Lighting Costs Using a Philips LED High lumen post top lamp		
Present Wattage	36	W
× Annual operating hours	4,000	hrs
	= 144,000	Watt-Hours
÷ 1,000	= 144	kWh per year
× kWh rate of \$0.11	= \$15.84	per year
× 100 lamps	= \$1,584.00	annual energy cost per space
Total estimated annual savings[‡]	\$3,696.00	

[‡] Based on 100 lamps per space operating at 4,000 hours per year

This example shows an application of 100 lamps accenting a space, operating 4,000 hours per year at a cost of \$0.11 per kWh. Your actual savings may vary depending on the energy costs in your geographic location.

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).

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.



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