



LED Corn Cobs

450CC/LED/840/LS EX39 BB 3/1

Philips Corn Cob HID replacement lamps are perfect LED replacement for a variety of outdoor applications. High intensity illumination, which means you get added visibility for applications like streets, public areas, and much more for a fraction of the energy used by conventional HID.

Product data

General Information		
Cap-Base	EX39 [Exclusionary Mogul Screw]	
Nominal lifetime	50,000 hour(s)	
Switching Cycle	50,000	
Lighting Technology	LED	
Light Technical		
Color Code	840 [CCT of 4000K]	
Luminous Flux	65,000 lm	
Color Designation	Cool White (CW)	
Correlated Color Temperature (Nom)	4000 K	
Luminous Efficacy (rated) (Nom)	144.00 lm/W	
Color Consistency	ANSI 4000K quadrangle	
Color rendering index (CRI)	80	
LLMF At End Of Nominal Lifetime (Nom)	70 %	
Operating and Electrical		
Line Frequency	50 to 60 Hz	
Input Frequency	50 to 60 Hz	
Power Consumption	450 W	
Lamp Current (Nom)	1,700 mA	
Starting Time (Nom)	2 s	
Warm-up time to 60% light	2 s	

Power Factor (Fraction)	0.9	
Voltage (Nom)	277-480 V	
UL Type	HIB_UL Type B (UL classified+RU)	
Temperature		
T-Case Maximum (Nom)	42.5 °C	
Controls and Dimming		
Dimmable	Preset Dimming	
Mechanical and Housing		
Bulb Finish	Clear	
Bulb Material	Plastic	
Bulb Shape	Corncob	
Net Weight (Piece)	1.784 kg	
Approval and Application		
EU RoHS compliant	Yes	
Ambient temperature range	-20 °C to 45 °C	
Application Conditions		
can it be used in closed luminaires	Yes	

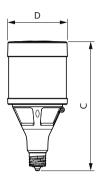
Datasheet, 2025, April 17 data subject to change

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Product Data	
Order product name	450CC/LED/840/LS EX39 BB 3/1
Full product name	450CC/LED/840/LS EX39 BB 3/1
Order code	929003019704
Material Nr. (12NC)	929003019704
Numerator - Quantity Per Pack	1

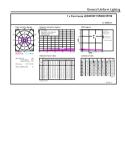
EAN/UPC - Product/Case	046677564735	
Numerator - Packs per outer box	3	
EAN/UPC - Case	50046677564730	

Dimensional drawing

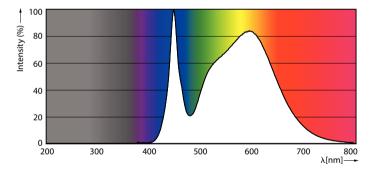


Product	D	С
450CC/LED/840/LS EX39 BB 3/1	142 mm	308 mm

Photometric data

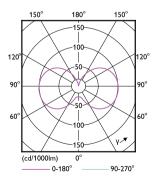






Spectral Power Distribution Colour - 450CC/LED/840/LS EX39 BB 3/1

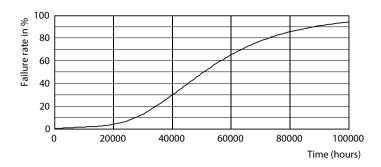
General uniform lighting - 450CC/LED/840/LS EX39 BB 3/1

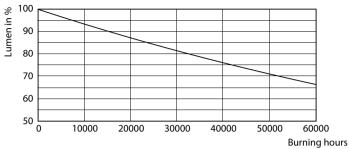


Light Distribution Diagram - 450CC/LED/840/LS EX39 BB 3/1

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Lifetime





Life Expectancy Diagram

Lumen Maintenance Diagram - 450CC/LED/840/LS EX39 BB 3/1



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