



LED Glass HID lamps

45GC/LED/830 EX39 BB 6/1

Philips Glass HID lamps offer you an easy, short-payback LED solution to replace High Intensity Discharge (HID) lamps. Thanks to our High-Power LED filament technology, this new generation of indoor/outdoor glass lamps brings all the energy-efficiency and long-lifetime benefits of LED to HID replacement, while providing instant savings with a low initial investment. They are designed to have the same aesthetics, lamp size and light distribution as the HID lamps they are replacing, so the upgrade to LED is easier than ever!

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	830 [CCT of 3000K]	
Beam Angle (Nom)	300 degree(s)	
Luminous Flux	6,800 lm	
Color Designation	White (WH)	
Correlated Color Temperature (Nom)	3000 K	
Luminous Efficacy (rated) (Nom)	151 lm/W	
Color Consistency	<6	
Color rendering index (CRI)	80	
LLMF At End Of Nominal Lifetime (Nom)	70 %	
Photobiological safety according to EN 62471	RG1	
Operating and Electrical		
Input Frequency	50 to 60 Hz	

Power Consumption	45 W	
Lamp Current (Max)	600 A	
Starting Time (Nom)	0.5 s	
Warm-up time to 60% light	0.5 s	
Power Factor (Fraction)	0.9	
Voltage (Nom)	120-277 V	
UL Type	HIB_UL Type B (UL Listed+Classified)	
Temperature		
T-Case Maximum (Nom)	56.15 °C	
Controls and Dimming		
Dimmable	Only with specific dimmers	
Mechanical and Housing		
Bulb Finish	Clear	
Bulb Shape	ED28	
Net Weight (Piece)	0.260 kg	

Datasheet, 2025, April 17 data subject to change

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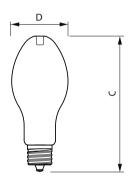
Approval and Application		
Approval Marks	DLC compliance	
EU RoHS compliant	Yes	
Ambient temperature range	-20 to +45 °C	
Application Conditions		
can it be used in closed luminaires	Yes	
Product Data		

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Full product name	45GC/LED/830 EX39 BB 6/1	
Order code	929003773304	
Material Nr. (12NC)	929003773304	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	046677588229	
Numerator - Packs per outer box	6	
EAN/UPC - Case	50046677588224	

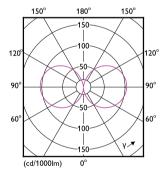
Dimensional drawing

Order product name

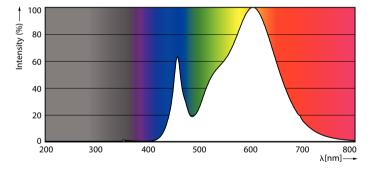


Product	D	С
45GC/LED/830 EX39 BB 6/1	91.5 mm	242 mm

Photometric data



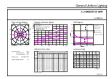
Light Distribution Diagram - 45GC/LED/830 EX39 BB 6/1



Spectral Power Distribution Colour - 45GC/LED/830 EX39 BB 6/1

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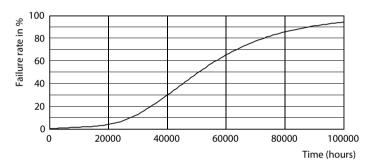
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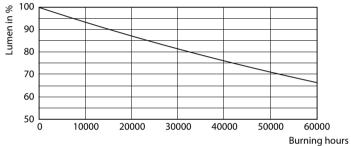


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General uniform lighting - 45GC/LED/830 EX39 BB 6/1

Lifetime





Life Expectancy Diagram

Lumen Maintenance Diagram - 45GC/LED/830 EX39 BB 6/1



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