



LED Glass HID lamps

45GC/LED/840 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	840 [CCT of 4000K]	
Beam Angle (Nom)	300 degree(s)	
Luminous Flux	7,500 lm	
Color Designation	Cool White (CW)	
Correlated Color Temperature (Nom)	4000 K	
Luminous Efficacy (rated) (Nom)	166 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	

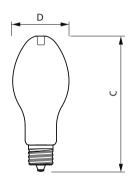
Datasheet, 2025, April 17 data subject to change

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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	
Order product name	45GC/LED/840 EX39 BB 6/1

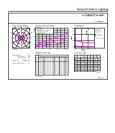
Full product name	45GC/LED/840 EX39 BB 6/1
Order code	929003773404
Material Nr. (12NC)	929003773404
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677588236
Numerator - Packs per outer box	6
EAN/UPC - Case	50046677588231

Dimensional drawing



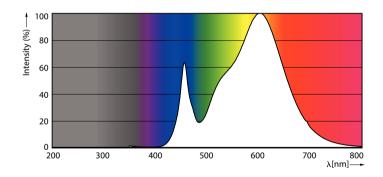
Product	D	С
45GC/LED/840 EX39 BB 6/1	91.5 mm	242 mm

Photometric data



Calcitus Photometric 4.5 Philips Lighting B.V. Page 177

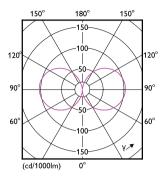
General uniform lighting - 45GC/LED/840 EX39 BB 6/1



Spectral Power Distribution Colour - 45GC/LED/840 EX39 BB 6/1

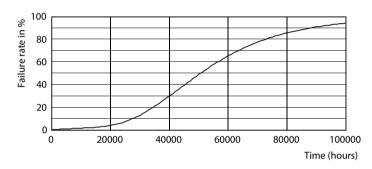
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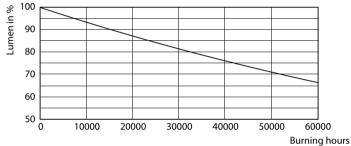
Photometric data



Light Distribution Diagram - 45GC/LED/840 EX39 BB 6/1

Lifetime





Life Expectancy Diagram

Lumen Maintenance Diagram - 45GC/LED/840 EX39 BB 6/1



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