PHILIPS Lighting



LED Glass HID lamps

38GC/LED/840/ND 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	25,000 hour(s)	
Switching Cycle	15,000	
Lighting Technology	LED	
EU RoHS compliant	Yes	
Light Technical		
Color Code	840 [CCT of 4000K]	
Beam Angle (Nom)	300 degree(s)	
Luminous Flux	6,000 lm	
Color Designation	Cool White (CW)	
Correlated Color Temperature (Nom)	4000 K	
Luminous Efficacy (rated) (Nom)	157.00 lm/W	
Color Consistency	<6	
Color rendering index (CRI)	80	
LLMF At End Of Nominal Lifetime (Nom)	70 %	
Operating and Electrical		
Line Frequency	50 to 60 Hz	

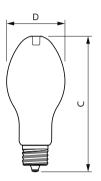
Input Frequency	50 to 60 Hz	
Power Consumption	38 W	
Lamp Current (Nom)	330 mA	
Starting Time (Nom)	0.5 s	
Warm-up time to 60% light	0.5 s	
Power Factor (Fraction)	0.9	
Voltage (Nom)	120-277 V	
UL Type	HIB_UL Type B (UL Listed+Classified)	
Temperature		
Ambient temperature range	-4 °F to 113 °F	
T-Case Maximum (Nom)	152 °F	
Controls and Dimming		
Dimmable	No	
Mechanical and Housing		
Bulb Finish	Frosted	
Bulb Material	Glass	

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Bulb Shape	ED90 [ED 90mm]	
Application Conditions		
can it be used in closed luminaires	Yes	
Product Data		
Order product name	38GC/LED/840/ND EX39 BB 6/1	
Full product name	38GC/LED/840/ND EX39 BB 6/1	

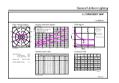
Order code	578954
Material Nr. (12NC)	929003508704
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677578954
Numerator - Packs per outer box	6
EAN/UPC - Case	50046677578959

Dimensional drawing



Product	D	с
38GC/LED/840/ND EX39 BB 6/1	3-5/8 inch	8-5/8 inch

Photometric data

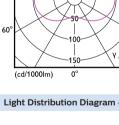


150° 150° 180° -150-120[°] -100 120° -50-V 90° 90° 50 60 60° 100 Y 150-(cd/1000lm) 0

Light Distribution Diagram - 38GC/LED/840/ND EX39 BB 6/1

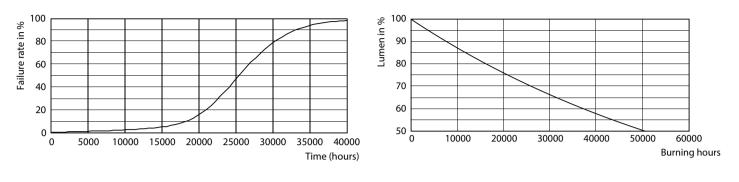
100 Intensity (%) -80 60 40 20 0 200 800 λ[nm]—► 300 400 500 600 700 Spectral Power Distribution Colour - 38GC/LED/840/ND EX39 BB 6/1

General uniform lighting - 38GC/LED/840/ND EX39 BB 6/1



LED Glass HID lamps

Lifetime



Life Expectancy Diagram - 38GC/LED/840/ND EX39 BB 6/1

Lumen Maintenance Diagram - 38GC/LED/840/ND EX39 BB 6/1



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