PHILIPS Lighting



LED Glass HID lamps

28GC/LED/850/ND E26 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	E26 [Single Contact Medium Screw]	
Nominal lifetime	25,000 hour(s)	
Switching Cycle	15,000	
Lighting Technology	LED	
EU RoHS compliant	Yes	
Light Technical		
Color Code	850 [CCT of 5000K]	
Beam Angle (Nom)	300 degree(s)	
Luminous Flux	4,000 lm	
Color Designation	Daylight	
Correlated Color Temperature (Nom)	5000 K	
Luminous Efficacy (rated) (Nom)	142.00 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	

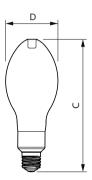
Input Frequency	50 to 60 Hz
Power Consumption	28 W
Lamp Current (Nom)	248 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	120-277 V
UL Type	HIB_UL Type B (UL Listed+Classified)
Temperature	
Ambient temperature range	-4 °F to 113 °F
T-Case Maximum (Nom)	135 °F
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass

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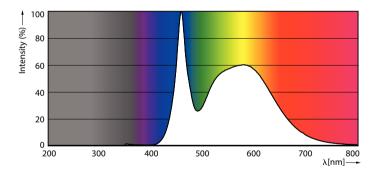
Bulb Shape	ED75 [ED 75mm]	
Application Conditions		
can it be used in closed luminaires	Yes	
Product Data		
Order product name	28GC/LED/850/ND E26 BB 6/1	
Full product name	28GC/LED/850/ND E26 BB 6/1	

Order code	578898	
Material Nr. (12NC)	929003508204	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	046677578893	
Numerator - Packs per outer box	6	
EAN/UPC - Case	50046677578898	

Dimensional drawing



Product	D	с
28GC/LED/850/ND E26 BB 6/1	3 inch	7-3/4 inch



Spectral Power Distribution Colour - 28GC/LED/850/ND E26 BB 6/1

Photometric data



150° 180° 150° -150-1<u>0</u>0 120 120° -50 90° 90° 60° 60° γ 🗷 150 (cd/1000lm) 0°

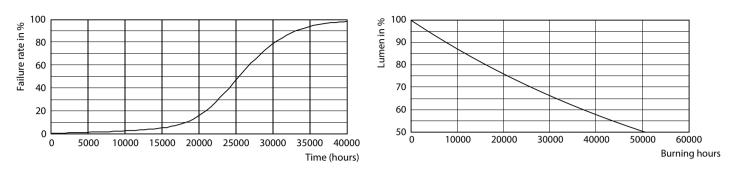
Light Distribution Diagram - 28GC/LED/850/ND E26 BB 6/1

General uniform lighting - 28GC/LED/850/ND E26 BB 6/1

Datasheet, 2023, November 3

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Lifetime



Life Expectancy Diagram - 28GC/LED/850/ND E26 BB 6/1

Lumen Maintenance Diagram - 28GC/LED/850/ND E26 BB 6/1



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