



# 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                       |

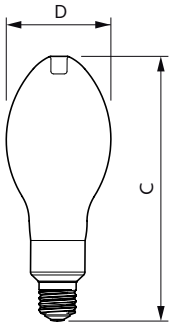
| Input Frequency           | 50 to 60 Hz                          |
|---------------------------|--------------------------------------|
| Power Consumption         | 28 W                                 |
| Lamp Current (Nom)        | 248 mA                               |
| Starting Time (Nom)       | 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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|                                     |                            |
|-------------------------------------|----------------------------|
| <b>Bulb Shape</b>                   | ED75 [ED 75mm]             |
| <b>Application Conditions</b>       |                            |
| can it be used in closed luminaires | Yes                        |
| <b>Product Data</b>                 |                            |
| Order product name                  | 28GC/LED/850/ND E26 BB 6/1 |
| Full product name                   | 28GC/LED/850/ND E26 BB 6/1 |

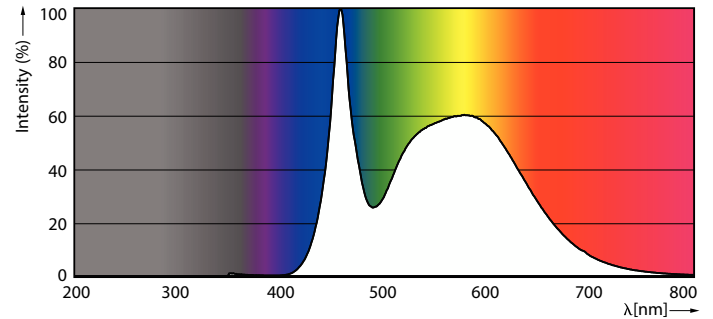
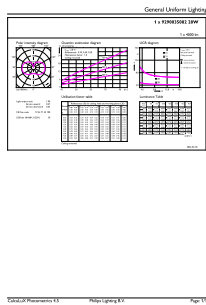
|  |                |
|--|----------------|
| <b>Order code</b>                      | 578898         |
| <b>Material Nr. (12NC)</b>             | 929003508204   |
| <b>Numerator - Quantity Per Pack</b>   | 1              |
| <b>EAN/UPC - Product/Case</b>          | 046677578893   |
| <b>Numerator -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

## Dimensional drawing



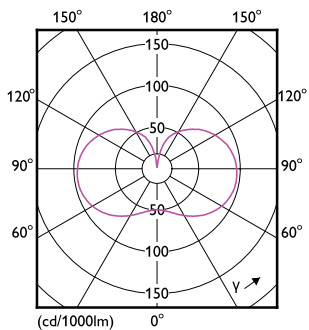
| Product                    | D      | C          |
|----------------------------|--------|------------|
| 28GC/LED/850/ND E26 BB 6/1 | 3 inch | 7-3/4 inch |

## Photometric data



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

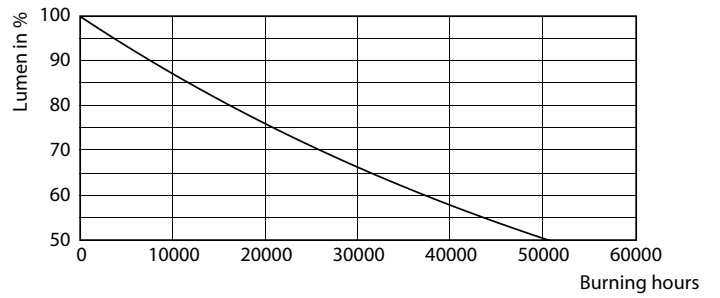
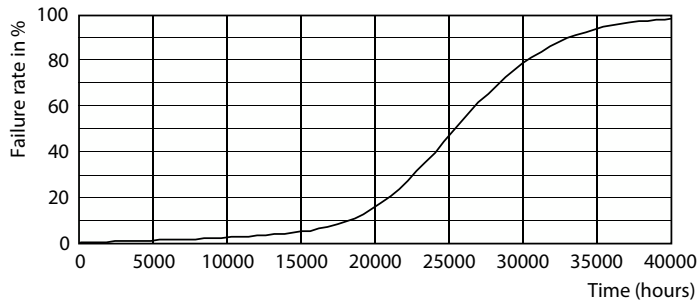
Spectral Power Distribution Colour - 28GC/LED/850/ND E26 BB 6/1



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

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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

