



# LED Glass HID lamps

## 45GC/LED/850 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

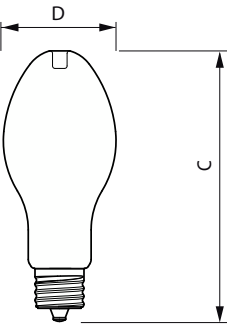
| General Information                          |                                 |                           |                                      |
|--|---------------------------------|---------------------------|--------------------------------------|
| Cap-Base                                     | EX39 [Exclusionary Mogul Screw] | Power Consumption         | 45 W                                 |
| Nominal lifetime                             | 50,000 hour(s)                  | Lamp Current (Max)        | 600 A                                |
| Switching Cycle                              | 50,000                          | Starting Time (Nom)       | 0.5 s                                |
| Lighting Technology                          | LED                             | 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) |
| Light Technical                              |                                 | Temperature               |                                      |
| Color Code                                   | 850 [CCT of 5000K]              | T-Case Maximum (Nom)      | 56.15 °C                             |
| Beam Angle (Nom)                             | 300 degree(s)                   |                           |                                      |
| Luminous Flux                                | 7,500 lm                        | Controls and Dimming      |                                      |
| Color Designation                            | Daylight                        | Dimmable                  | Only with specific dimmers           |
| Correlated Color Temperature (Nom)           | 5000 K                          |                           |                                      |
| Luminous Efficacy (rated) (Nom)              | 166 lm/W                        | Mechanical and Housing    |                                      |
| Color Consistency                            | <6                              | Bulb Finish               | Clear                                |
| Color rendering index (CRI)                  | 80                              | Bulb Shape                | ED28                                 |
| LLMF At End Of Nominal Lifetime (Nom)        | 70 %                            | Net Weight (Piece)        | 0.260 kg                             |
| Photobiological safety according to EN 62471 | RG1                             |                           |                                      |
| Operating and Electrical                     |                                 |                           |                                      |
| Input Frequency                              | 50 to 60 Hz                     |                           |                                      |

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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/850 EX39 BB 6/1 |

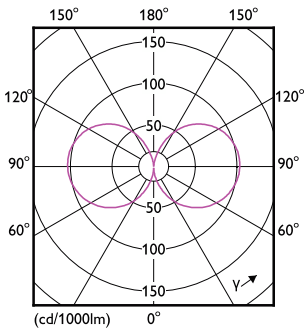
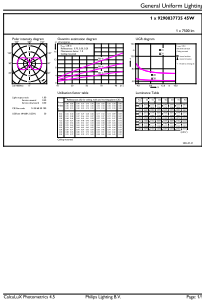
|                                 |                          |
|---------------------------------|--------------------------|
| Full product name               | 45GC/LED/850 EX39 BB 6/1 |
| Order code                      | 929003773504             |
| Material Nr. (12NC)             | 929003773504             |
| Numerator - Quantity Per Pack   | 1                        |
| EAN/UPC - Product/Case          | 046677588243             |
| Numerator - Packs per outer box | 6                        |
| EAN/UPC - Case                  | 50046677588248           |

## Dimensional drawing



| Product                  | D       | C      |
|--------------------------|---------|--------|
| 45GC/LED/850 EX39 BB 6/1 | 91.5 mm | 242 mm |

## Photometric data

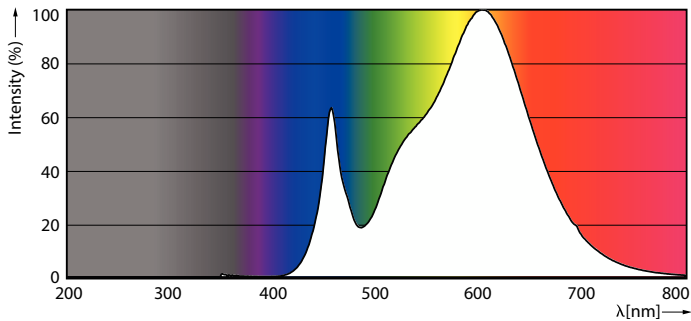


General uniform lighting - 45GC/LED/850 EX39 BB 6/1

Light Distribution Diagram - 45GC/LED/850 EX39 BB 6/1

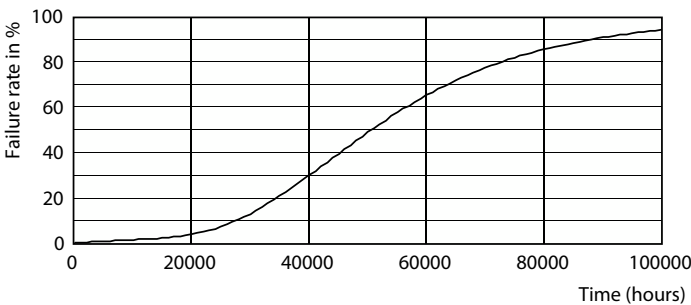
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Photometric data

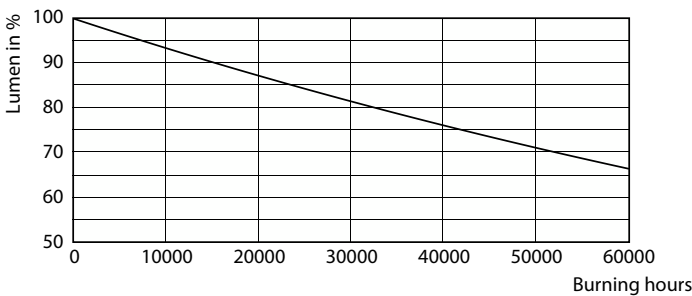


Spectral Power Distribution Colour - 45GC/LED/850 EX39 BB 6/1

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - 45GC/LED/850 EX39 BB 6/1

