

# **LED Glass HID lamps**

# 54GC/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                                | 10,000 lm                       |  |
| Color Designation                            | Cool White (CW)                 |  |
| Correlated Color Temperature (Nom)           | 4000 K                          |  |
| Luminous Efficacy (rated) (Nom)              | 185 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         | 54 W                                 |  |
|---------------------------|--------------------------------------|--|
| Lamp Current (Max)        | 620 A                                |  |
| Lamp Current (Nom)        | 120 277 mA 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)      | 115 °F                               |  |
|                           |                                      |  |
| Controls and Dimming      |                                      |  |
| Dimmable                  | Only with specific dimmers           |  |
|                           |                                      |  |
| Mechanical and Housing    |                                      |  |
| Bulb Finish               | Clear                                |  |
| Bulb Shape                | ED32                                 |  |
| Net Weight (Piece)        | 0.639 lb                             |  |
|                           |                                      |  |
|                           |                                      |  |

Datasheet, 2024, February 22 data subject to change

## **LED Glass HID lamps**

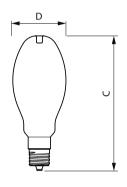
| Approval and Application            |                |  |
|-------------------------------------|----------------|--|
| Approval Marks                      | DLC compliance |  |
| EU RoHS compliant                   | Yes            |  |
| Ambient temperature range           | -4 to +113 °F  |  |
|                                     |                |  |
| Application Conditions              |                |  |
| can it be used in closed luminaires | Yes            |  |
|                                     |                |  |
| Product Data                        |                |  |

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| Full product name               | 54GC/LED/840 EX39 BB 6/1 |  |
|---------------------------------|--------------------------|--|
| Order code                      | 588269                   |  |
| Material Nr. (12NC)             | 929003773704             |  |
| Numerator - Quantity Per Pack   | 1                        |  |
| EAN/UPC - Product/Case          | 046677588267             |  |
| Numerator - Packs per outer box | 6                        |  |
| EAN/UPC - Case                  | 50046677588262           |  |
|                                 |                          |  |

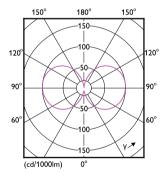
## Dimensional drawing

Order product name

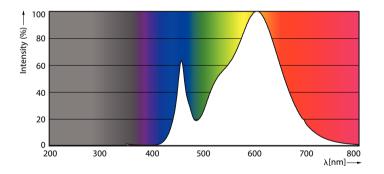


| Product                  | D          | С           |
|--------------------------|------------|-------------|
| 54GC/LED/840 EX39 BB 6/1 | 4-1/8 inch | 9-9/16 inch |

## Photometric data



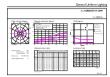
Light Distribution Diagram - 54GC/LED/840 EX39 BB 6/1



Spectral Power Distribution Colour - 54GC/LED/840 EX39 BB 6/1

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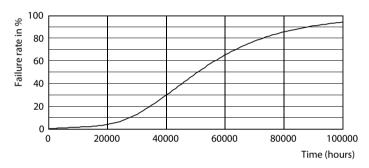
#### Photometric data

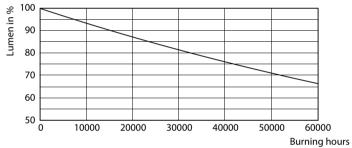


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General uniform lighting - 54GC/LED/840 EX39 BB 6/1

#### Lifetime





Life Expectancy Diagram

Lumen Maintenance Diagram - 54GC/LED/840 EX39 BB 6/1



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