



# **LED Highbay**

# 25HB/LED/850/ND FB 6/1

Philips LED high bay lamps are a direct replacement for 250W to 400W metal halide lamps which will deliver substantial energy savings. Philips LED HighBays delivers bright, clean light for a fraction of the energy used by conventional HID.

#### **Product data**

| General Information                   |                                   |  |
|---------------------------------------|-----------------------------------|--|
| Cap-Base                              | E26 [Single Contact Medium Screw] |  |
| Nominal lifetime                      | 25,000 hour(s)                    |  |
| Switching Cycle                       | 50,000                            |  |
| Lighting Technology                   | LED                               |  |
| EU RoHS compliant                     | Yes                               |  |
|                                       |                                   |  |
| Light Technical                       |                                   |  |
| Color Code                            | 850 [CCT of 5000K]                |  |
| Beam Angle (Nom)                      | 200 degree(s)                     |  |
| Luminous Flux                         | 2,800 lm                          |  |
| Color Designation                     | Daylight                          |  |
| Correlated Color Temperature (Nom)    | 5000 K                            |  |
| Luminous Efficacy (rated) (Nom)       | 112.00 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                     | 25 W                              |  |
| Lamp Current (Nom)                    | 240 mA                            |  |
| Wattage Equivalent                    | 70 W                              |  |
|                                       |                                   |  |

| Starting Time (Nom)           | 0.5 s                       |  |
|-------------------------------|-----------------------------|--|
| Warm-up time to 60% light     | 0.5 s                       |  |
| Power Factor (Fraction)       | 0.7                         |  |
| Voltage (Nom)                 | 120 V                       |  |
| UL Type                       | Type B - bypass the ballast |  |
|                               |                             |  |
| Temperature                   |                             |  |
| T-Case Maximum (Nom)          | 90 °C                       |  |
|                               |                             |  |
| Controls and Dimming          |                             |  |
| Dimmable                      | No                          |  |
|                               |                             |  |
| Mechanical and Housing        |                             |  |
| Bulb Finish                   | Frosted                     |  |
| Bulb Material                 | Plastic                     |  |
| Bulb Shape                    | T-shape                     |  |
|                               |                             |  |
| Approval and Application      |                             |  |
| Energy Consumption kWh/1000 h | - kWh                       |  |
|                               |                             |  |
| Product Data                  |                             |  |
| Order product name            | 25HB/LED/850/ND FB 6/1      |  |
| Full product name             | 25HB/LED/850/ND FB 6/1      |  |
| Order code                    | 541950                      |  |
|                               |                             |  |

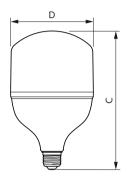
Datasheet, 2023, May 15 data subject to change

## **LED Highbay**

| Material Nr. (12NC)             | 929001990004 |
|---------------------------------|--------------|
| Numerator - Quantity Per Pack   | 1            |
| EAN/UPC - Product/Case          | 046677541958 |
| Numerator - Packs per outer box | 6            |

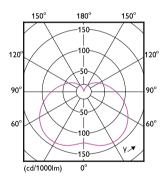
| EAN/UPC - Case | 50046677541953 |
|----------------|----------------|
|----------------|----------------|

## Dimensional drawing

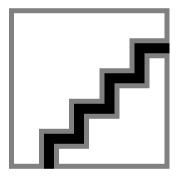


| Product                | D      | С      |
|------------------------|--------|--------|
| 25HB/LED/850/ND FB 6/1 | 118 mm | 209 mm |

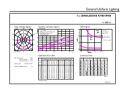
## Photometric data







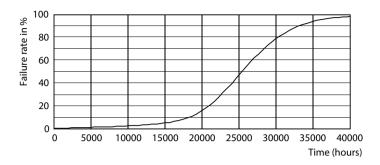
Spectral Power Distribution Colour - 25HB/LED/850/ND FB 6/1

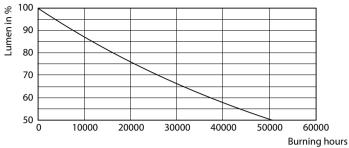


General uniform lighting - 25HB/LED/850/ND FB 6/1

## **LED Highbay**

#### Lifetime





Life Expectancy Diagram - 25HB/LED/850/ND FB 6/1

Lumen Maintenance Diagram - 25HB/LED/850/ND FB 6/1



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