



# LED Highbay

## 145HB/LED/840/D NB DL BB G2 4/1

MASTER, LED Highbay, Highbay, Mains only, 145 W, HPS 250W, MH 350W, EX39, 4000 K, 20000 lm, 50000 hour(s)

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                              | EX39               |
| Nominal lifetime                      | 50,000 hour(s)     |
| Switching Cycle                       | 50,000             |
| Lighting Technology                   | LED Highbay        |
| Warranty period                       | 5 years            |
| Light Technical                       |                    |
| Color Code                            | 840 [CCT of 4000K] |
| Beam Angle (Nom)                      | 60 degree(s)       |
| Luminous Flux                         | 20,000 lm          |
| Color Designation                     | Cool White (CW)    |
| Correlated Color Temperature (Nom)    | 4000 K             |
| Luminous Efficacy (rated) (Nom)       | 137.00 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                 | 145 W                                |
| Lamp Current (Nom)                | 1,450 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) |
| Wattage Equivalent (LED HID only) | HPS 250W, MH 350W                    |
| Ballast Compatibility             | Mains only                           |
| Temperature                       |                                      |
| T-Case Maximum (Nom)              | 60 °C                                |
| Controls and Dimming              |                                      |
| Dimmable                          | Only with specific dimmers           |
| Mechanical and Housing            |                                      |
| Bulb Finish                       | Clear                                |
| Bulb Material                     | Plastic                              |

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|                    |          |
|--------------------|----------|
| Bulb Shape         | Highbay  |
| Net Weight (Piece) | 1.250 kg |

## Approval and Application

|                               |                 |
|-------------------------------|-----------------|
| Energy Saving Product         | Yes             |
| Energy Consumption kWh/1000 h | 145 kWh         |
| EU RoHS compliant             | Yes             |
| Ambient temperature range     | -20 °C to 45 °C |

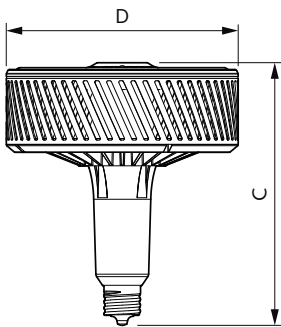
## Application Conditions

|                                     |                |
|-------------------------------------|----------------|
| can it be used in closed luminaires | Yes            |
| Wireless Technology                 | Not applicable |

## Product Data

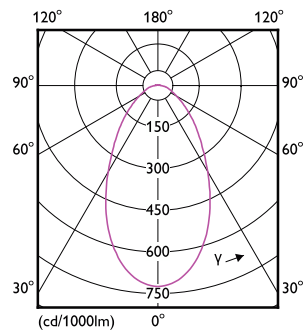
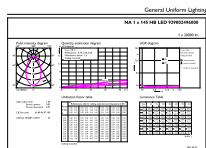
|                                 |                                 |
|---------------------------------|---------------------------------|
| Order product name              | 145HB/LED/840/D NB DL BB G2 4/1 |
| Full product name               | 145HB/LED/840/D NB DL BB G2 4/1 |
| Order code                      | 929002496004                    |
| Material Nr. (12NC)             | 929002496004                    |
| Numerator - Quantity Per Pack   | 1                               |
| EAN/UPC - Product/Case          | 046677563936                    |
| Numerator - Packs per outer box | 4                               |
| EAN/UPC - Case                  | 50046677563931                  |

## Dimensional drawing



| Product                         | D      | C      |
|---------------------------------|--------|--------|
| 145HB/LED/840/D NB DL BB G2 4/1 | 250 mm | 285 mm |

## Photometric data

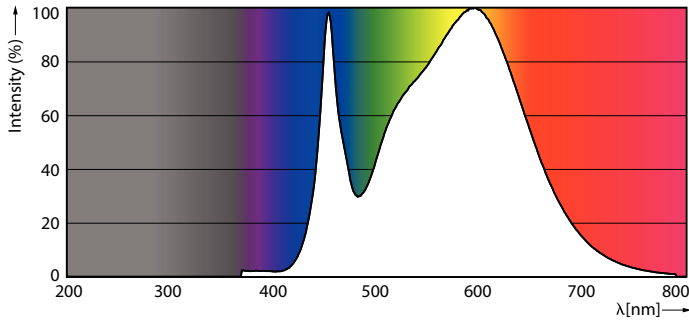


General uniform lighting - 145HB/LED/840/D NB DL BB G2 4/1

Light Distribution Diagram - 145HB/LED/840/D NB DL BB G2 4/1

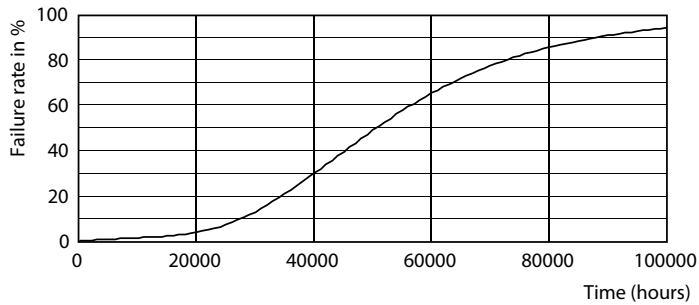
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## Photometric data

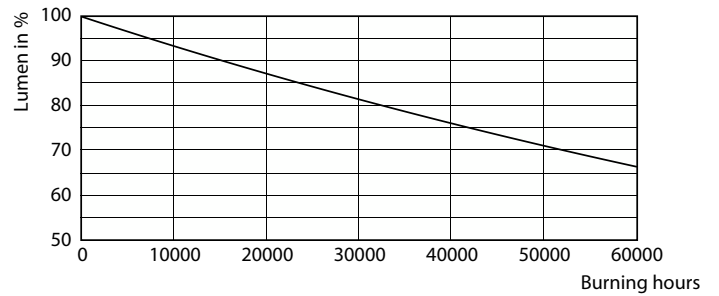


Spectral Power Distribution Colour - 145HB/LED/840/D NB DL BB G2 4/1

## Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - 145HB/LED/840/D NB DL BB G2 4/1

