


# TrueForce LED Industrial and Retail (Highbay – HPI/SON/HPL)

## TForce HB 100-85W E40 865 120D GM

Philips TrueForce LED Industrial and Retail lamps give you a quick and easy payback solution to replace HID lamps in Highbay application. The solution gives you the LED benefits of energy-efficiency and long-lifetime, plus they come for a low initial investment. With unique lamp design and compatibility, you can directly retrofit HID lamps with TrueForce LED lamps without changing the fixtures or gear. Multiple beam angle options and high colour rendering index enhance the lighting distribution while creating a comfortable, safe and high productivity environment.

### Warnings and Safety

• EM version requires an EM ballast to operate. Please refer to the installation guide or consult a Philips Lighting representative.

### Product data

| General Information | |
|---|---|
| **Cap-Base** | E40 [E40] |
| **Nominal lifetime** | 25,000 hour(s) |
| **Switching Cycle** | 50,000 |
| **Lighting Technology** | LED |
| **EU RoHS compliant** | Yes |

| Light Technical | |
|---|---|
| **Color Code** | 865 [CCT of 6500K] |
| **Beam Angle (Nom)** | 120 degree(s) |

| | |
|---|---|
| **Luminous Flux** | 10,000 lm |
| **Color Designation** | Cool Daylight |
| **Correlated Color Temperature (Nom)** | 6500 K |
| **Luminous Efficacy (rated) (Nom)** | 117.00 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 |

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| | |
|---|---|
| **Input Frequency** | 50 to 60 Hz |
| **Power Consumption** | 85 W |
| **Lamp Current (Nom)** | 715 mA |
| **Starting Time (Nom)** | 0.5 s |
| **Warm-up time to 60% light** | 0.5 s |
| **Power Factor (Fraction)** | 0.9 |
| **Voltage (Nom)** | 110-277 V |

| **Temperature** | |
|---|---|
| **T-Case Maximum (Nom)** | 90 °C |

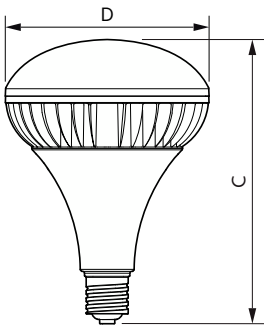
| **Controls and Dimming** | |
|---|---|
| **Dimmable** | No |

| **Mechanical and Housing** | |
|---|---|
| **Bulb Finish** | Frosted |
| **Bulb Shape** | Others |

| **Approval and Application** | |
|---|---|
| **Energy Consumption kWh/1000 h** | 85 kWh |

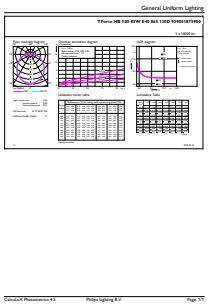
| **Product Data** | |
|---|---|
| **Order product name** | TForce HB 100-85W E40 865 120D GM |
| **Full product name** | TForce HB 100-85W E40 865 120D GM |
| **Full product code** | 871869682660700 |
| **Order code** | 929001875908 |
| **Material Nr. (12NC)** | 929001875908 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8718696826607 |
| **Numerator - Packs per outer box** | 2 |
| **EAN/UPC - Case** | 8718696826614 |

## Dimensional drawing

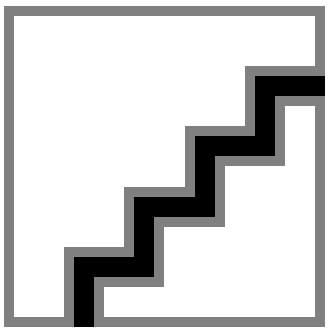



| Product | D | C |
|---|---|---|
| TForce HB 100-85W E40 865 120D GM | 190 mm | 270 mm |

## Photometric data



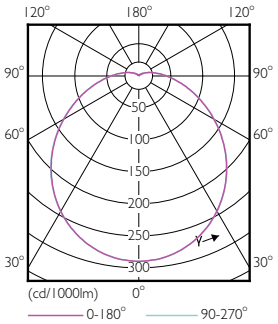
**General uniform lighting - TForce HB 100-85W E40 865 120D GM**



**Spectral Power Distribution Colour - TForce HB 100-85W E40 865 120D GM**

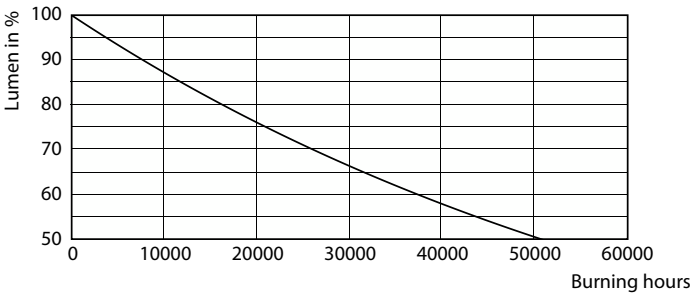
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## Photometric data

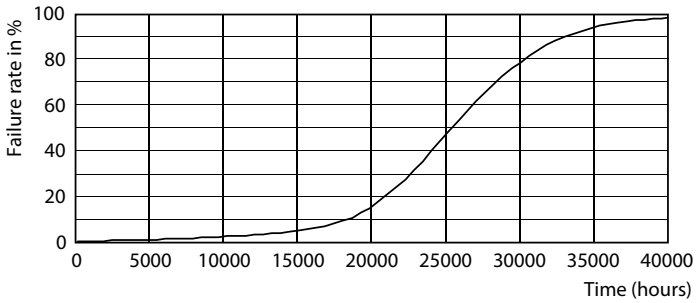



**Light Distribution Diagram - TForce HB 100-85W E40 865 120D GM**

## Lifetime




**Lumen Maintenance Diagram - TForce HB 100-85W E40 865 120D GM**




**Life Expectancy Diagram - TForce HB 100-85W E40 865 120D GM**

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