



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

### TForce Core HB 25W E27 865 GN3

Philips TrueForce Core LED I&R lamps offer an easy and short payback LED solution to replace High Intensity Discharge (HID) lamps. The products bring the energy efficiency and long lifetime benefits of LED to HID replacement and provide instant saving and low initial investment. With the right lamp size and light distribution, you can easily retrofit TrueForce Core LED I&R lamps and bypass the existing ballast while enhancing the lighting quality.

#### **Product data**

| General Information                |                    |
|------------------------------------|--------------------|
| Cap-Base                           | E27                |
| Nominal lifetime                   | 15,000 hour(s)     |
| Switching Cycle                    | 50,000             |
| Lighting Technology                | LED                |
| EU RoHS compliant                  | Yes                |
|                                    |                    |
| Light Technical                    |                    |
| Color Code                         | 865 [CCT of 6500K] |
| Beam Angle (Nom)                   | 180 degree(s)      |
| Luminous Flux                      | 2,700 lm           |
| Color Designation                  | Cool Daylight      |
| Correlated Color Temperature (Nom) | 6500 K             |

| Luminous Efficacy (rated) (Nom)       | 108.00 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)                    | 200 mA      |
| Starting Time (Nom)                   | 0.5 s       |
| Warm-up time to 60% light             | 0.5 s       |
| Power Factor (Fraction)               | 0.5         |

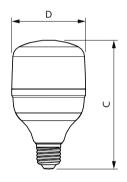
Datasheet, 2024, March 20 data subject to change

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| Voltage (Nom)                 | 220-240 V       |  |
|-------------------------------|-----------------|--|
|                               |                 |  |
| Temperature                   |                 |  |
| Ambient temperature range     | -20 °C to 45 °C |  |
| T-Case Maximum (Nom)          | 90 ℃            |  |
|                               |                 |  |
| Controls and Dimming          |                 |  |
| Dimmable                      | No              |  |
|                               |                 |  |
| Mechanical and Housing        |                 |  |
| Bulb Finish                   | Frosted         |  |
| Bulb Shape                    | T-shape         |  |
|                               |                 |  |
| Approval and Application      |                 |  |
| Energy Consumption kWh/1000 h | - kWh           |  |

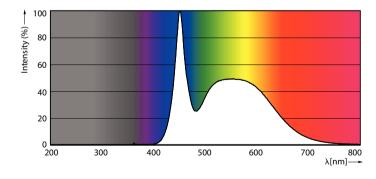
| Product Data                    |                                |
|---------------------------------|--------------------------------|
| Order product name              | TForce Core HB 25W E27 865 GN3 |
| Full product name               | TForce Core HB 25W E27 865 GN3 |
| Full product code               | 871869978057900                |
| Order code                      | 929002408208                   |
| Material Nr. (12NC)             | 929002408208                   |
| Numerator - Quantity Per Pack   | 1                              |
| EAN/UPC - Product/Case          | 8718699780579                  |
| Numerator - Packs per outer box | 6                              |
| EAN/UPC - Case                  | 8718699780586                  |
| ·                               |                                |

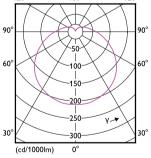
## Dimensional drawing



| Product                        | D     | С      |
|--------------------------------|-------|--------|
| TForce Core HB 25W E27 865 GN3 | 80 mm | 139 mm |

#### Photometric data



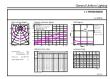


Spectral Power Distribution Colour - TForce Core HB 25W E27 865 GN3

Light Distribution Diagram - TForce Core HB 25W E27 865 GN3

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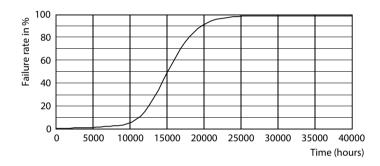
#### Photometric data

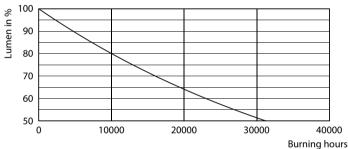


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General uniform lighting - TForce Core HB 25W E27 865 GN3

### Lifetime





Life Expectancy Diagram - TForce Core HB 25W E27 865 GN3

Lumen Maintenance Diagram - TForce Core HB 25W E27 865 GN3



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