



# The best LED solution for High Intensity Discharge (HID) lamp replacement

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

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.

### Benefits

- Cost saving with short payback time
- Light on the wider working space
- Low initial investment
- Enhance lighting quality with easy adoption

### Features

- High energy efficiency
- Lifetime 20,000hrs
- Wide beam angle, 240°
- Bypass ballast and save additional energy
- Pleasant white light with CRI 80

### Application

- Industrial/retail – warehouses, factories, shops, transport hubs

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Versions



LEDTForce Core HB Tshape E27



LEDTForce Core Tshape E27 FR 2



LEDTForce Core Tshape E27 FR 3

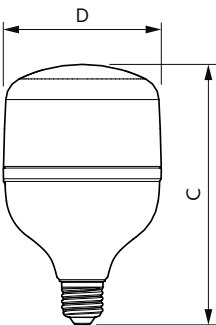
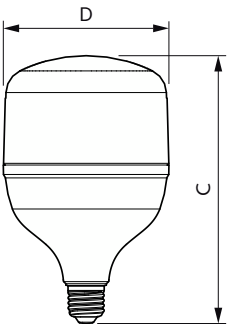


LEDTForce Core Tshape E27 FR 1



LEDTForce Core HB Tshape E40

Dimensional drawing

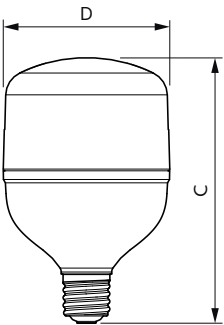


| Product                        | D      | C      |
|--------------------------------|--------|--------|
| TForce Core HB 40W E27 865 GN3 | 118 mm | 193 mm |

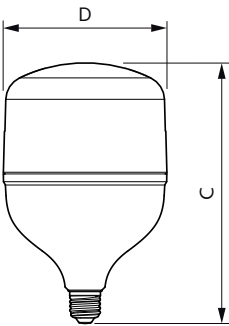
| Product                        | D      | C      |
|--------------------------------|--------|--------|
| TForce Core HB 30W E27 865 GN3 | 100 mm | 165 mm |

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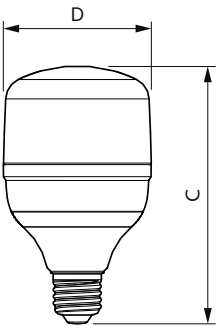
Dimensional drawing



| Product                        | D      | C      |
|--------------------------------|--------|--------|
| TForce Core HB 50W E40 865 GN3 | 139 mm | 224 mm |



| Product                        | D      | C      |
|--------------------------------|--------|--------|
| TForce Core HB 50W E27 865 GN3 | 139 mm | 221 mm |



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

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| General Information                   |                 |
|---------------------------------------|-----------------|
| Switching Cycle                       | 50,000          |
| Nominal lifetime                      | 15,000 hour(s)  |
| Light Technical                       |                 |
| Beam Angle (Nom)                      | 180 degree(s)   |
| Correlated Color Temperature (Nom)    | 6500 K          |
| Color rendering index (CRI)           | 80              |
| Color Code                            | 865             |
| LLMF At End Of Nominal Lifetime (Nom) | 70 %            |
| Operating and Electrical              |                 |
| Input Frequency                       | 50 to 60 Hz     |
| Line Frequency                        | 50 to 60 Hz     |
| Starting Time (Nom)                   | 0.5 s           |
| Controls and Dimming                  |                 |
| Dimmable                              | No              |
| Mechanical and Housing                |                 |
| Bulb Finish                           | Frosted         |
| Bulb Shape                            | T-shape         |
| Approval and Application              |                 |
| Ambient temperature range             | -20 °C to 45 °C |

General Information

| Order Code   | Full Product Name              | Cap-Base |
|--------------|--------------------------------|----------|
| 929002408808 | TForce Core HB 50W E27 865 GN3 | E27      |
| 929002408408 | TForce Core HB 30W E27 865 GN3 | E27      |
| 929002408608 | TForce Core HB 40W E27 865 GN3 | E27      |
| 929002408208 | TForce Core HB 25W E27 865 GN3 | E27      |
| 929002408908 | TForce Core HB 50W E40 865 GN3 | E40      |

Light Technical

| Order Code   | Full Product Name              | Luminous Flux |
|--------------|--------------------------------|---------------|
| 929002408808 | TForce Core HB 50W E27 865 GN3 | 5,000 lm      |
| 929002408408 | TForce Core HB 30W E27 865 GN3 | 3,200 lm      |
| 929002408608 | TForce Core HB 40W E27 865 GN3 | 4,000 lm      |

| Order Code   | Full Product Name              | Luminous Flux |
|--------------|--------------------------------|---------------|
| 929002408208 | TForce Core HB 25W E27 865 GN3 | 2,700 lm      |
| 929002408908 | TForce Core HB 50W E40 865 GN3 | 5,000 lm      |

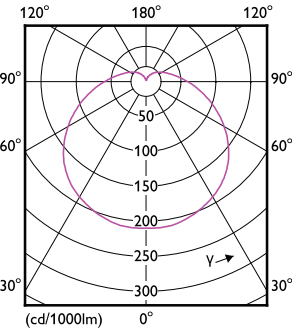
Operating and Electrical

| Order Code   | Full Product Name              | Power Consumption |
|--------------|--------------------------------|-------------------|
| 929002408808 | TForce Core HB 50W E27 865 GN3 | 50 W              |
| 929002408408 | TForce Core HB 30W E27 865 GN3 | 30 W              |
| 929002408608 | TForce Core HB 40W E27 865 GN3 | 40 W              |

| Order Code   | Full Product Name              | Power Consumption |
|--------------|--------------------------------|-------------------|
| 929002408208 | TForce Core HB 25W E27 865 GN3 | 25 W              |
| 929002408908 | TForce Core HB 50W E40 865 GN3 | 50 W              |

Temperature

| Order Code   | Full Product Name              | T-Case Maximum (Nom) |
|--------------|--------------------------------|----------------------|
| 929002408808 | TForce Core HB 50W E27 865 GN3 | 78 °C                |
| 929002408408 | TForce Core HB 30W E27 865 GN3 | 75 °C                |
| 929002408608 | TForce Core HB 40W E27 865 GN3 | 79 °C                |
| 929002408208 | TForce Core HB 25W E27 865 GN3 | 90 °C                |
| 929002408908 | TForce Core HB 50W E40 865 GN3 | 78 °C                |



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