



# 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

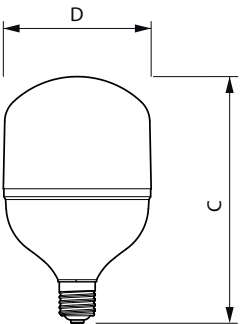
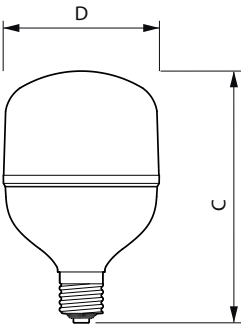


LEDTForce Core HB Tshape E40 1



LEDTForce Core HB Tshape E40

Dimensional drawing



| Product                               | D      | C      |
|---------------------------------------|--------|--------|
| TForce Core HB MV ND 60W E40 865 GEN3 | 140 mm | 227 mm |

| Product                               | D      | C      |
|---------------------------------------|--------|--------|
| TForce Core HB MV ND 80W E40 865 GEN3 | 162 mm | 271 mm |

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| General Information                   |                |
|---------------------------------------|----------------|
| Cap-Base                              | E40            |
| Switching Cycle                       | 50,000         |
| Nominal lifetime                      | 25,000 hour(s) |
| Light Technical                       |                |
| Beam Angle (Nom)                      | 150 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    |
| Starting Time (Nom)                   | 0.5 s          |
| Controls and Dimming                  |                |
| Dimmable                              | No             |
| Mechanical and Housing                |                |
| Bulb Finish                           | Frosted        |
| Approval and Application              |                |
| Ambient temperature range             | -20 to +45 °C  |

Light Technical

| Order Code   | Full Product Name                     | Luminous Flux |
|--------------|---------------------------------------|---------------|
| 929002409918 | TForce Core HB MV ND 80W E40 865 GEN3 | 9,000 lm      |
| 929002409618 | TForce Core HB MV ND 60W E40 865 GEN3 | 7,000 lm      |

Operating and Electrical

| Order Code   | Full Product Name                     | Power Consumption |
|--------------|---------------------------------------|-------------------|
| 929002409918 | TForce Core HB MV ND 80W E40 865 GEN3 | 80 W              |

| Order Code   | Full Product Name                     | Power Consumption |
|--------------|---------------------------------------|-------------------|
| 929002409618 | TForce Core HB MV ND 60W E40 865 GEN3 | 60 W              |

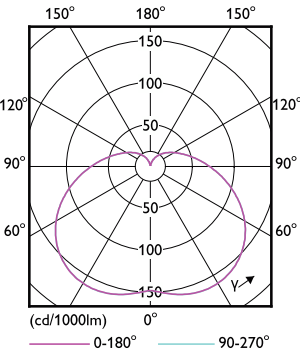
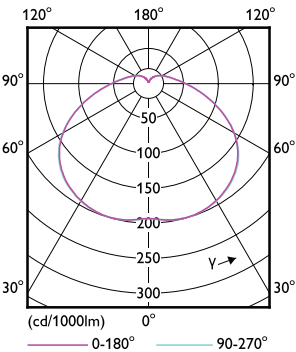
Temperature

| Order Code   | Full Product Name                     | T-Case Maximum (Nom) |
|--------------|---------------------------------------|----------------------|
| 929002409918 | TForce Core HB MV ND 80W E40 865 GEN3 | 83 °C                |

| Order Code   | Full Product Name                     | T-Case Maximum (Nom) |
|--------------|---------------------------------------|----------------------|
| 929002409618 | TForce Core HB MV ND 60W E40 865 GEN3 | 79 °C                |

Mechanical and Housing

| Order Code   | Full Product Name                     | Bulb Shape |
|--------------|---------------------------------------|------------|
| 929002409918 | TForce Core HB MV ND 80W E40 865 GEN3 | T160       |
| 929002409618 | TForce Core HB MV ND 60W E40 865 GEN3 | T140       |



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