



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

TFCore Core HB MV ND 35W E27 840 G3

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 | | Luminous Efficacy (rated) (Nom) | |
|------------------------------------|--------------------|---------------------------------------|-------------|
| Cap-Base | E27 [E27] | | 142.00 lm/W |
| Nominal lifetime | 15,000 hour(s) | Color Consistency | <6 |
| Switching Cycle | 50,000 | Color rendering index (CRI) | 80 |
| Lighting Technology | LED | LLMF At End Of Nominal Lifetime (Nom) | 70 % |
| Flux measurement reference | Sphere | Operating and Electrical | |
| Light Technical | | Line Frequency | 50 to 60 Hz |
| Color Code | 840 [CCT of 4000K] | Input Frequency | 50 to 60 Hz |
| Beam Angle (Nom) | 180 degree(s) | Power Consumption | 35 W |
| Luminous Flux | 5,000 lumen | Lamp Current (Nom) | 178 mA |
| Color Designation | Cool White (CW) | Wattage Equivalent | 125 W |
| Correlated Color Temperature (Nom) | 4000 K | Starting Time (Nom) | 0.5 s |
| | | Warm-up time to 60% light | 0.5 s |

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| | |
|-------------------------|-----------|
| Power Factor (Fraction) | 0.9 |
| Voltage (Nom) | 220-240 V |

Temperature

| | |
|---------------------------|-----------------|
| Ambient temperature range | -20 °C to 45 °C |
| T-Case Maximum (Nom) | 76 °C |

Controls and Dimming

| | |
|----------|----|
| Dimmable | No |
|----------|----|

Mechanical and Housing

| | |
|-------------|---------|
| Bulb Finish | Frosted |
| Bulb Shape | T-shape |

Approval and Application

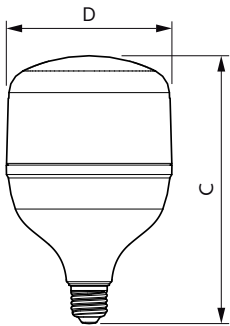
| | |
|-------------------------------|--------|
| Energy Consumption kWh/1000 h | 35 kWh |
|-------------------------------|--------|

| | |
|---------------------------|---------|
| EPREL Registration Number | 403,633 |
| CE mark | Yes |
| EU RoHS compliant | Yes |

Product Data

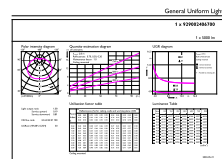
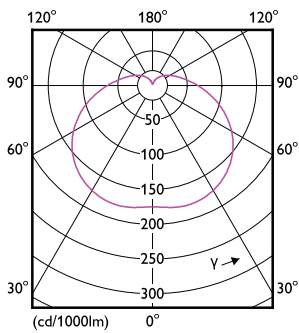
| | |
|---------------------------------|-------------------------------------|
| Full product code | 871869978107100 |
| Order product name | TForce Core HB MV ND 35W E27 840 G3 |
| Order code | 929002406702 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 6 |
| Material number (12NC) | 929002406702 |
| Full product name | TForce Core HB MV ND 35W E27 840 G3 |
| EAN/UPC - Case | 8718699781088 |

Dimensional drawing



| Product | D | C |
|-------------------------------------|--------|--------|
| TForce Core HB MV ND 35W E27 840 G3 | 118 mm | 193 mm |

Photometric data

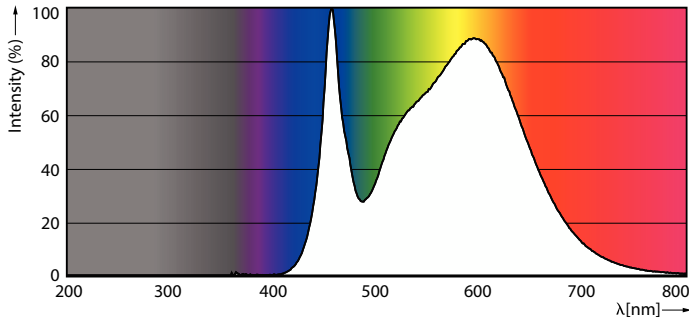


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Light Distribution Diagram - TForce Core HB MV ND 35W E27 840 G3

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Photometric data



Spectral Power Distribution Colour - TForce Core HB MV ND 35W E27 840 G3

Lifetime



Life Expectancy Diagram - TForce Core HB MV ND 35W E27 840 G3



Lumen Maintenance Diagram - TForce Core HB MV ND 35W E27 840 G3

