



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

TForce Core HB MV ND 48-42W E27 830

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 [E27] |
| Nominal lifetime | 20,000 hour(s) |
| Switching Cycle | 50,000 |
| Lighting Technology | LED |
| EU RoHS compliant | Yes |
| | |
| Light Technical | |
| Color Code | 830 [CCT of 3000K] |
| Beam Angle (Nom) | 240 degree(s) |
| Luminous Flux | 4,800 lm |
| Color Designation | White (WH) |
| Correlated Color Temperature (Nom) | 3000 K |

| Luminous Efficacy (rated) (Nom) | 114.00 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 | 42 W |
| Lamp Current (Nom) | 240 mA |
| Starting Time (Nom) | 0.5 s |
| Warm-up time to 60% light | 0.5 s |
| Power Factor (Fraction) | 0.9 |

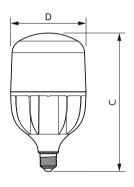
Datasheet, 2023, December 8 data subject to change

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| Voltage (Nom) | 220-240 V |
|-------------------------------|-----------|
| | |
| Temperature | |
| T-Case Maximum (Nom) | 100 °C |
| | |
| Controls and Dimming | |
| Dimmable | No |
| | |
| Mechanical and Housing | |
| Bulb Finish | Frosted |
| Bulb Shape | T-shape |
| | |
| Approval and Application | |
| Energy Consumption kWh/1000 h | 42 kWh |
| | |

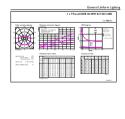
| Product Data | |
|---------------------------------|-------------------------------------|
| Order product name | TForce Core HB MV ND 48-42W E27 830 |
| Full product name | TForce Core HB MV ND 48-42W E27 830 |
| Full product code | 871869959716000 |
| Order code | 929001938202 |
| Material Nr. (12NC) | 929001938202 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718699597160 |
| Numerator - Packs per outer box | 6 |
| EAN/UPC - Case | 8718699597177 |
| | |

Dimensional drawing

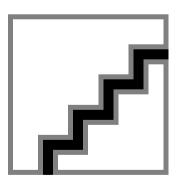


| Product | D | С |
|-------------------------------------|--------|--------|
| TForce Core HB MV ND 48-42W E27 830 | 123 mm | 225 mm |

Photometric data



General uniform lighting - TForce Core HB MV ND 48-42W E27 830



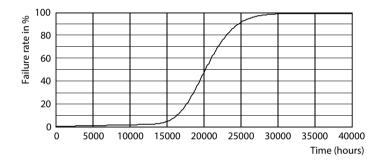
Spectral Power Distribution Colour - TForce Core HB MV ND 48-42W E27 830

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Photometric data

Light Distribution Diagram - TForce Core HB MV ND 48-42W E27 830

Lifetime



Life Expectancy Diagram - TForce Core HB MV ND 48-42W E27 830

Lumen Maintenance Diagram - TForce Core HB MV ND 48-42W E27 830



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