



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

TrueForce 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

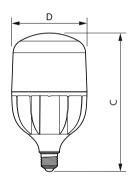
Datasheet, 2023, April 29 data subject to change

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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

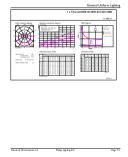
Product Data		
Order product name	TForce Core HB MV ND 48-42W E27 830	
Full product name	TrueForce Core HB MV ND 48-42W E27 830	
Full product code	871869959716000	
Order code	59716000	
Material Nr. (12NC)	929001938202	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718699597160	
Numerator - Packs per outer box	6	
EAN/UPC - Case	8718699597177	

Dimensional drawing

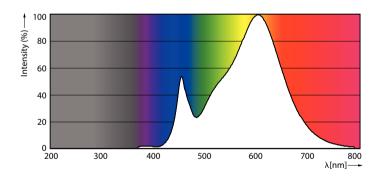


Product	D	С
TForce Core HB MV ND 48-42W E27 830	123 mm	225 mm

Photometric data



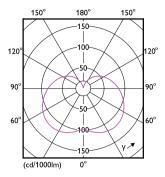




Spectral Power Distribution Colour - TForce Core HB MV ND 48-42W E27 830

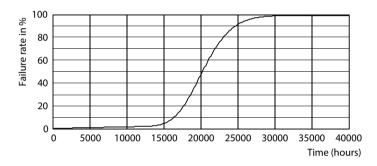
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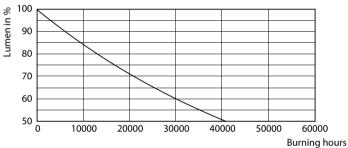
Photometric data



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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