



# 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

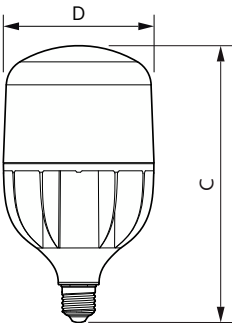
General Information		Operating and Electrical	
Cap-Base	E27 [E27]	Luminous Efficacy (rated) (Nom)	114.00 lm/W
Nominal lifetime	20,000 hour(s)	Color Consistency	<6
Switching Cycle	50,000	Color rendering index (CRI)	80
Lighting Technology	LED	LLMF At End Of Nominal Lifetime (Nom)	70 %
EU RoHS compliant	Yes		
Light Technical		Line Frequency	50 to 60 Hz
Color Code	830 [CCT of 3000K]	Input Frequency	50 to 60 Hz
Beam Angle (Nom)	240 degree(s)	Power Consumption	42 W
Luminous Flux	4,800 lm	Lamp Current (Nom)	240 mA
Color Designation	White (WH)	Starting Time (Nom)	0.5 s
Correlated Color Temperature (Nom)	3000 K	Warm-up time to 60% light	0.5 s
		Power Factor (Fraction)	0.9

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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

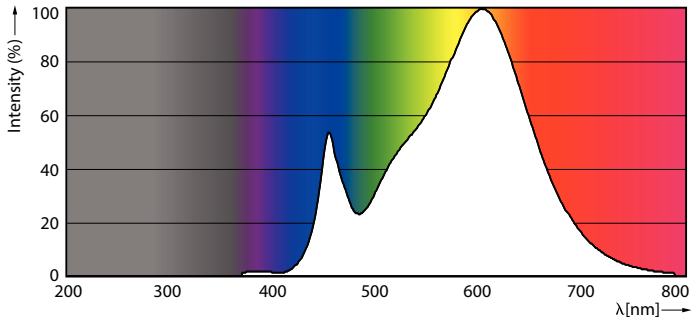
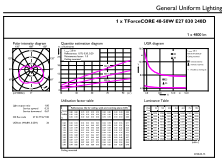
Product Data	
Order product name	TForce Core HB MV ND 48-42W E27 830
Full product name	TrueForce Core HB MV ND 48-42W E27 830
Full product code	871869959716000
Order code	59716000
Material Nr. (12NC)	929001938202
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699597160
Numerator - Packs per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

Dimensional drawing



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

Photometric data

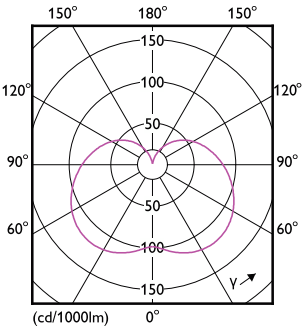


General uniform lighting - TForce Core HB MV ND 48-42W E27 830

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

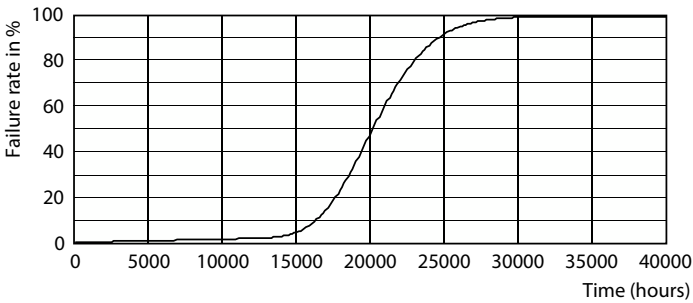
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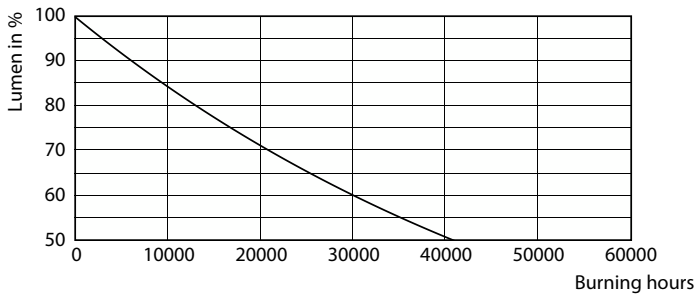


Light Distribution Diagram - TForce Core HB MV ND 48-42W E27 830

## 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

