



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

TrueForce Core HB MV ND 50-42W E27 840

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

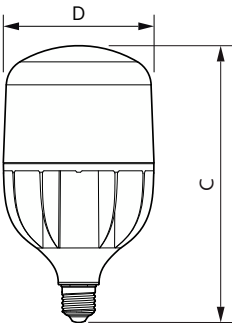
General Information		Luminous Efficacy (rated) (Nom)	
Cap-Base	E27 [E27]	Color Consistency	<6
Nominal lifetime	20,000 hour(s)	Color rendering index (CRI)	80
Switching Cycle	50,000	LLMF At End Of Nominal Lifetime (Nom)	70 %
Lighting Technology	LED	Operating and Electrical	
EU RoHS compliant	Yes	Line Frequency	50 to 60 Hz
Light Technical		Input Frequency	50 to 60 Hz
Color Code	840 [CCT of 4000K]	Power Consumption	42 W
Beam Angle (Nom)	240 degree(s)	Lamp Current (Nom)	240 mA
Luminous Flux	5,000 lm	Starting Time (Nom)	0.5 s
Color Designation	Cool White (CW)	Warm-up time to 60% light	0.5 s
Correlated Color Temperature (Nom)	4000 K	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

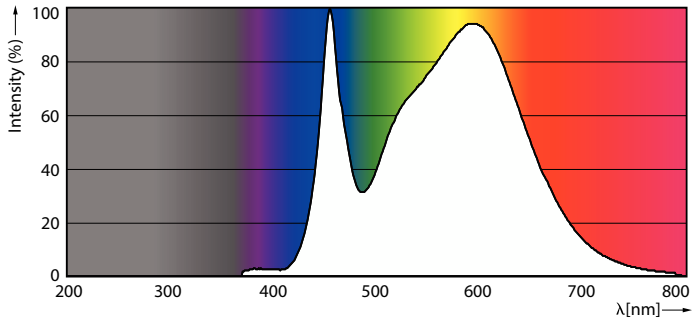
Product Data	
Order product name	TForce Core HB MV ND 50-42W E27 840
Full product name	TrueForce Core HB MV ND 50-42W E27 840
Full product code	871869959718400
Order code	59718400
Material Nr. (12NC)	929001938302
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699597184
Numerator - Packs per outer box	6
EAN/UPC - Case	8718699597191

Dimensional drawing

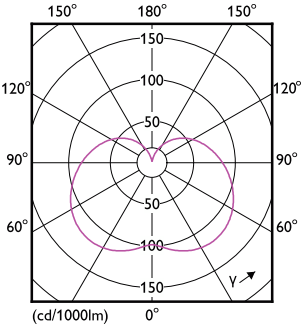


Product	D	C
TForce Core HB MV ND 50-42W E27 840	123 mm	225 mm

Photometric data



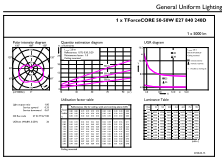
Spectral Power Distribution Colour - TForce Core HB MV ND 50-42W E27 840



Light Distribution Diagram - TForce Core HB MV ND 50-42W E27 840

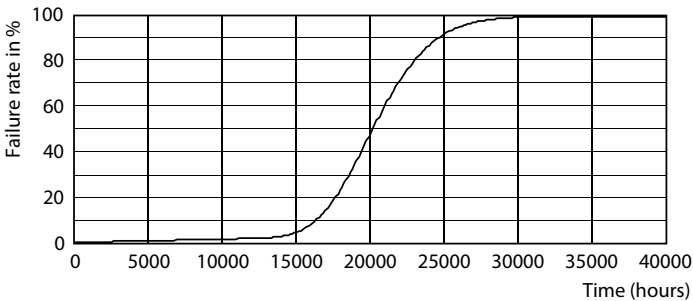
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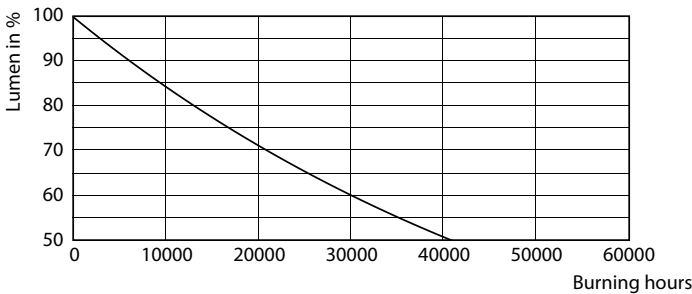


General uniform lighting - TForce Core HB MV ND 50-42W E27 840

Lifetime



Life Expectancy Diagram - TForce Core HB MV ND 50-42W E27 840



Lumen Maintenance Diagram - TForce Core HB MV ND 50-42W E27 840

