



# 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

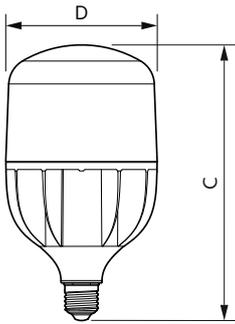
General Information		Luminous Efficacy (rated) (Nom)	
Cap-Base	E27 [E27]		119.00 lm/W
Nominal lifetime	20,000 hour(s)	Color Consistency	<6
Switching Cycle	50,000	Color rendering index (CRI)	80
Lighting Technology	LED	LLMF At End Of Nominal Lifetime (Nom)	70 %
EU RoHS compliant	Yes		
Light Technical		Operating and Electrical	
Color Code	840 [CCT of 4000K]	Line Frequency	50 to 60 Hz
Beam Angle (Nom)	240 degree(s)	Input Frequency	50 to 60 Hz
Luminous Flux	5,000 lm	Power Consumption	42 W
Color Designation	Cool White (CW)	Lamp Current (Nom)	240 mA
Correlated Color Temperature (Nom)	4000 K	Starting Time (Nom)	0.5 s
		Warm-up time to 60% light	0.5 s
		Power Factor (Fraction)	0.9

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

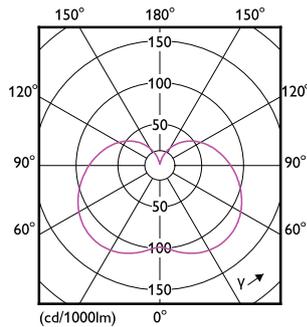
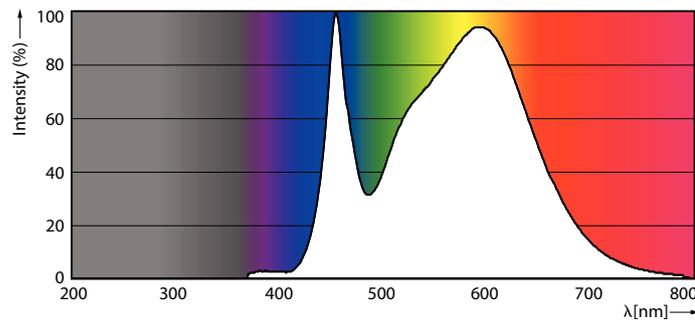
<b>Product Data</b>	
Order product name	TForce Core HB MV ND 50-42W E27 840
Full product name	TrueForce Core HB MV ND 50-42W E27 840
Full product code	871869959718400
Order code	59718400
Material Nr. (12NC)	929001938302
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699597184
Numerator -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

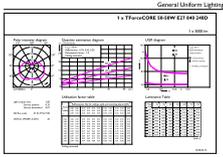


Spectral Power Distribution Colour - TForce Core HB MV ND 50-42W E27 840

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

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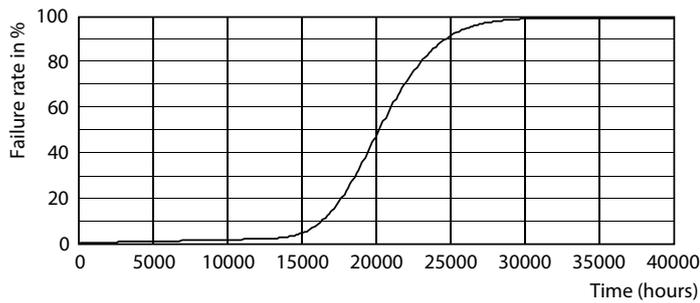
## Photometric data



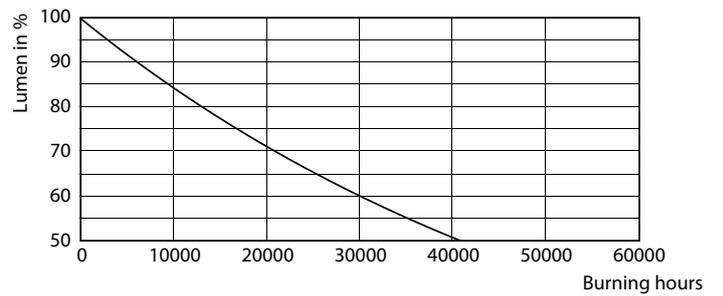
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General uniform lighting - TForce Core HB MV ND 50-42W E27 840

## 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

