# **PHILIPS** Lighting



# 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	
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	840 [CCT of 4000K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	5,000 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K

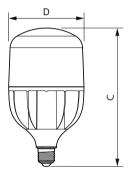
Luminous Efficacy (rated) (Nom)	119.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	42 W
Lamp Current (Nom)	240 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9

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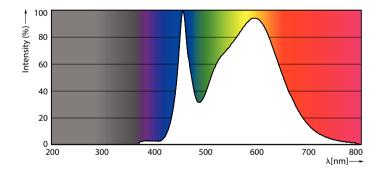
Voltage (Nom)	220-240 V	
Temperature		
T-Case Maximum (Nom)	100 °C	
Controls and Dimming		
Dimmable	No	
Mechanical and Housing		
Bulb Finish	Frosted	
Bulb Shape	T-shape	
Approval and Application		
Energy Consumption kWh/1000 h	42 kWh	

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

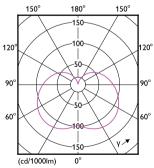


## Photometric data



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

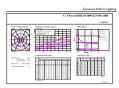
TForce Core HB MV ND 50-42W E27 840 123 mm 225 m	D C
	ID 50-42W E27 840 123 mm 225 mm



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

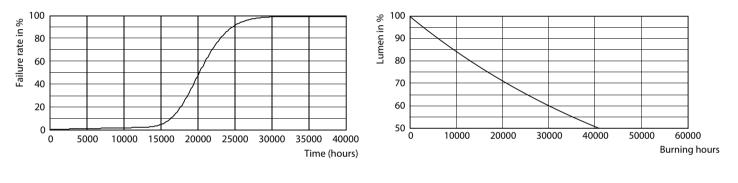
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General uniform lighting - TForce Core HB MV ND 50-42W E27 840

#### 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



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