





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

TForce Core HB MV ND 30W E27 840 G3

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	
Nominal lifetime	15,000 hour(s)	
Switching Cycle	50,000	
Lighting Technology	LED	
Flux measurement reference	Sphere	
CE mark	Yes	
EU RoHS compliant	Yes	
Light Technical		
Color Code	840 [CCT of 4000K]	
Beam Angle (Nom)	180 degree(s)	
Luminous Flux	4,000 lm	

Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	133.00 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	30 W
Lamp Current (Nom)	154 mA
Starting Time (Nom)	0.5 s

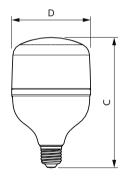
Datasheet, 2024, March 21 data subject to change

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Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
Inrush current at mains	17.5
Max. lamp no. on MCB B type 10A - Mains	8
Max. lamp no. on MCB B type 10A - EM ballast	-
without Comp. Cap.	
Max. lamp no. on MCB B type 10A – EM ballast	-
with Comp. Cap.	
Max. lamp no. on MCB B type 16A - Mains	13
Max. lamp no. on MCB B type 16A – EM ballast	-
without Comp. Cap.	
Max. lamp no. on MCB B type 16A – EM ballast	-
with Comp. Cap.	
Ballast Compatibility	Mains
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	80 ℃
Controls and Dimming	
Dimmable	No

Mechanical and Housing		
Bulb Finish	Frosted	
Bulb Shape	T-shape	
Approval and Application		
Energy Efficiency Class	E	
Energy Consumption kWh/1000 h	30 kWh	
EPREL Registration Number	403631	
Product Data		
Order product name	TForce Core HB MV ND 30W E27 840	
	G3	
Full product name	TForce Core HB MV ND 30W E27 840	
	G3	
Full product code	871869978097500	
Order code	929002406402	
Material Nr. (12NC)	929002406402	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718699780975	
Numerator - Packs per outer box	6	
EAN/UPC - Case	8718699780982	

Dimensional drawing



Product	D	С
TForce Core HB MV ND 30W E27 840 G3	100 mm	165 mm

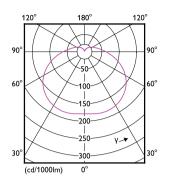
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Photometric data

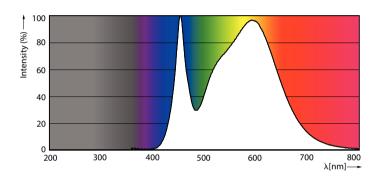


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General uniform lighting - TForce Core HB MV ND 30W E27 840 G3

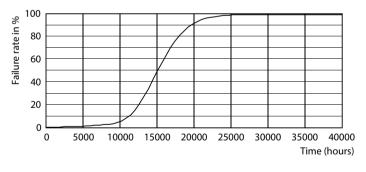


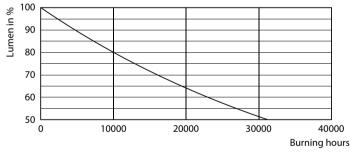
Light Distribution Diagram - TForce Core HB MV ND 30W E27 840 G3



Spectral Power Distribution Colour - TForce Core HB MV ND 30W E27 840 ${\sf G3}$

Lifetime





Life Expectancy Diagram - TForce Core HB MV ND 30W E27 840 G3 $\,$

Lumen Maintenance Diagram - TForce Core HB MV ND 30W E27 840 G3

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