



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

TFCore Core HB MV ND 20W 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

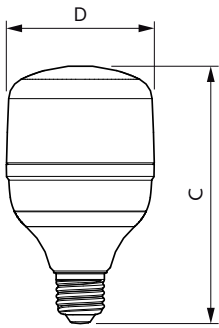
General Information		Luminous Efficacy (rated) (Nom)	
Cap-Base	E27 [E27]		135.00 lm/W
Nominal lifetime	15,000 hour(s)	Color Consistency	<6
Switching Cycle	50,000	Color rendering index (CRI)	80
Lighting Technology	LED	LLMF At End Of Nominal Lifetime (Nom)	70 %
Flux measurement reference	Sphere	Operating and Electrical	
		Line Frequency	50 to 60 Hz
		Input Frequency	50 to 60 Hz
		Power Consumption	20 W
		Lamp Current (Nom)	170 mA
		Wattage Equivalent	80 W
		Starting Time (Nom)	0.5 s
		Warm-up time to 60% light	0.5 s
Light Technical			
Color Code	840 [CCT of 4000K]		
Beam Angle (Nom)	150 degree(s)		
Luminous Flux	2,700 lumen		
Color Designation	Cool White (CW)		
Correlated Color Temperature (Nom)	4000 K		

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Power Factor (Fraction)	0.5
Voltage (Nom)	220-240 V
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	80 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T-shape
Approval and Application	
Energy Consumption kWh/1000 h	20 kWh

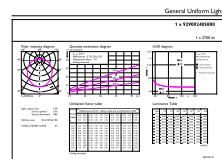
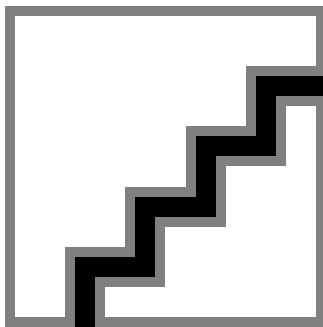
EPREL Registration Number	403,629
CE mark	Yes
EU RoHS compliant	Yes
Product Data	
Full product code	871869978103300
Order product name	TForce Core HB MV ND 20W E27 840 G3
Order code	929002405802
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material number (12NC)	929002405802
Full product name	TForce Core HB MV ND 20W E27 840 G3
EAN/UPC - Case	8718699781040

Dimensional drawing



Product	D	C
TForce Core HB MV ND 20W E27 840 G3	80 mm	139 mm

Photometric data

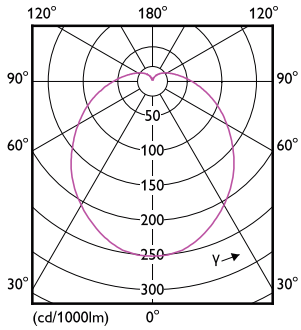


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Spectral Power Distribution Colour - TForce Core HB MV ND 20W E27 840 G3

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Photometric data



Light Distribution Diagram - TForce Core HB MV ND 20W E27 840 G3

Lifetime



Life Expectancy Diagram - TForce Core HB MV ND 20W E27 840 G3



Lumen Maintenance Diagram - TForce Core HB MV ND 20W E27 840 G3

