



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

TFCore Core HB MV ND 20W E27 830 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]		130.00 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	
Light Technical		Line Frequency	50 to 60 Hz
Color Code	830 [CCT of 3000K]	Input Frequency	50 to 60 Hz
Beam Angle (Nom)	150 degree(s)	Power Consumption	20 W
Luminous Flux	2,600 lumen	Lamp Current (Nom)	170 mA
Color Designation	White (WH)	Wattage Equivalent	80 W
Correlated Color Temperature (Nom)	3000 K	Starting Time (Nom)	0.5 s
		Warm-up time to 60% light	0.5 s

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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
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Shape	T-shape

Approval and Application

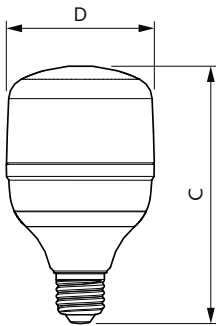
Energy Consumption kWh/1000 h	20 kWh
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EPREL Registration Number	403,628
CE mark	Yes
EU RoHS compliant	Yes

Product Data

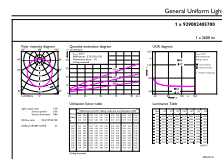
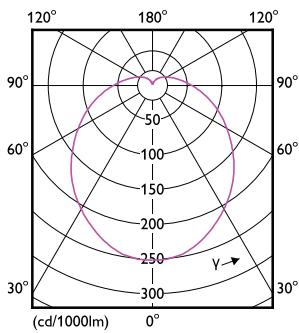
Full product code	871869978101900
Order product name	TForce Core HB MV ND 20W E27 830 G3
Order code	929002405702
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material number (12NC)	929002405702
Full product name	TForce Core HB MV ND 20W E27 830 G3
EAN/UPC - Case	8718699781026

Dimensional drawing



Product	D	C
TForce Core HB MV ND 20W E27 830 G3	80 mm	139 mm

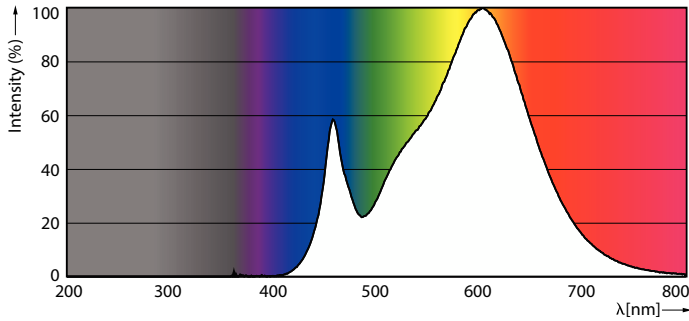
Photometric data



Light Distribution Diagram - TForce Core HB MV ND 20W E27 830 G3

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Photometric data



Spectral Power Distribution Colour - TForce Core HB MV ND 20W E27 830 G3

Lifetime



Life Expectancy Diagram - TForce Core HB MV ND 20W E27 830 G3



Lumen Maintenance Diagram - TForce Core HB MV ND 20W E27 830 G3

