



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

TrueForce 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		Operating and electrical	
Cap-Base	E27 [E27]	Correlated Color Temperature (Nom)	3000 K
EU RoHS compliant	Yes	Luminous Efficacy (rated) (Nom)	130.00 lm/W
Nominal Lifetime (Nom)	15000 h	Color Consistency	<6
Switching Cycle	50000X	Color Rendering Index (Nom)	80
Technical Type	20-40W	LLMF At End Of Nominal Lifetime (Nom)	70 %
Flux measurement reference	Sphere		
Light technical			
Color Code	830 [CCT of 3000K]	Input Frequency	50 to 60 Hz
Beam Angle (Nom)	150 °	Power (Nom)	20 W
Luminous Flux (Nom)	2600 lm	Lamp Current (Nom)	170 mA
Color Designation	White (WH)	Wattage Equivalent	80 W
		Starting Time (Nom)	0.5 s
		Warm Up Time to 60% Light (Nom)	0.5 s

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Power Factor (Nom)	0.5
Voltage (Nom)	220-240 V

Temperature

T-Case Maximum (Nom)	85 °C
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Controls and dimming

Dimmable	No
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Mechanical and housing

Bulb Finish	Frosted
Bulb Shape	T-shape

Approval and application

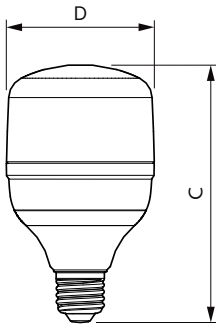
Energy Efficiency Class	E
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Energy Consumption kWh/1000 h	20 kWh
EPREL Registration Number	403628

Product data

Full product code	871869978101900
Order product name	TrueForce Core HB MV ND 20W E27 830 G3
EAN/UPC - Product	8718699781019
Order code	929002405702
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	929002405702
Net Weight (Piece)	0.048 kg

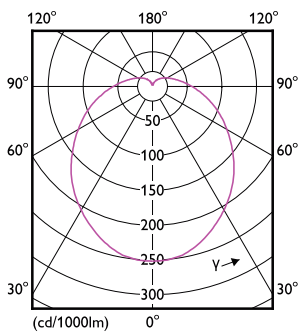
Dimensional drawing



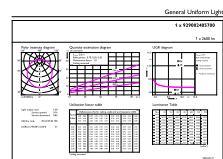
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Product	D	C
TrueForce Core HB MV ND 20W E27 830 G3	80 mm	139 mm

Photometric data



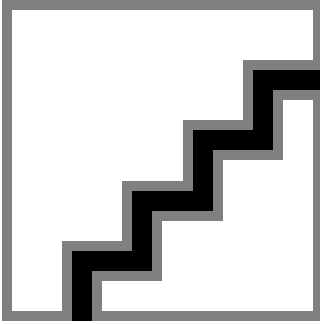
LEDForce Core 20W Tshape E27



LEDForce Core 20W Tshape E27 830

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Photometric data



Spectral Power Distribution Colour

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram

