





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	
Cap-Base	E27 [E27]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	15000 h
Switching Cycle	50000X
Technical Type	20-40W
Flux measurement reference	Sphere
Light technical	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	150 °
Luminous Flux (Nom)	2600 lm
Color Designation	White (WH)

Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	130.00 lm/W
Color Consistency	<6
Color Rendering Index (Nom)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and electrical	
Input Frequency	50 to 60 Hz
Power (Nom)	20 W
Lamp Current (Nom)	170 mA
Wattage Equivalent	80 W
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.5 s

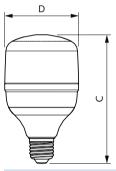
Datasheet, 2022, March 2 data subject to change

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Power Factor (Nom)	0.5
Voltage (Nom)	220-240 V
Temperature	
T-Case Maximum (Nom)	85 ℃
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	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

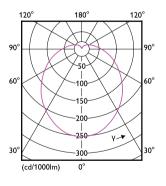
Dimensional drawing



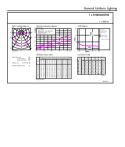
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Product D C TrueForce Core HB MV ND 20W E27 830 G3 80 mm 139 mm

Photometric data



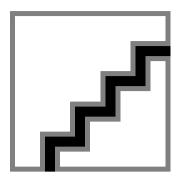
LEDTForce Core 20W Tshape E27



LEDTForce Core 20W Tshape E27 830

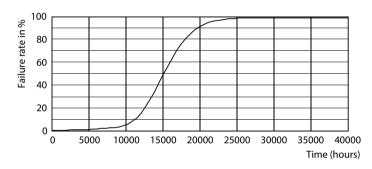
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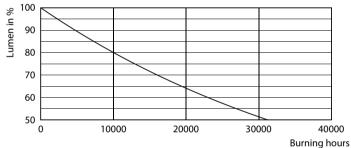
Photometric data



Spectral Power Distribution Colour

Lifetime





Life Expectancy Diagram

Lumen Maintenance Diagram



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