PHILIPS Lighting



E A G

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

TForce 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
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	830 [CCT of 3000K]
Beam Angle (Nom)	150 degree(s)
Luminous Flux	2,600 lm

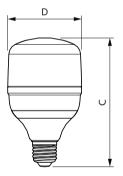
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	130.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	20 W
Lamp Current (Nom)	170 mA
Starting Time (Nom)	0.5 s

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Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.5
Voltage (Nom)	220-240 V
Inrush current at mains	13.5
Max. lamp no. on MCB B type 10A - Mains	16
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	26
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 °C
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	
Order product name	TForce Core HB MV ND 20W E27
	830 G3
Full product name	TForce Core HB MV ND 20W E27
	830 G3
Full product code	871869978101900
Order code	929002405702
Material Nr. (12NC)	929002405702
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699781019
Numerator - Packs per outer box	6
EAN/UPC - Case	8718699781026

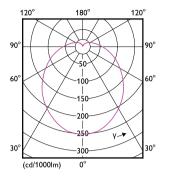
Dimensional drawing



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

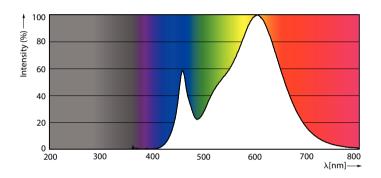
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Photometric data



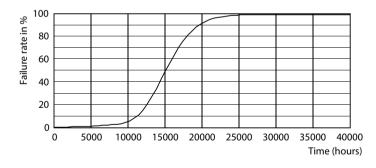
		1 x 929082485380
		1 × 200 (m
	A second	
Annual Contraction		

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

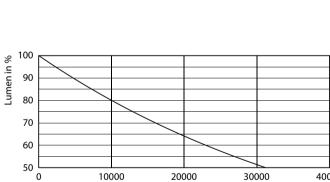


Spectral Power Distribution Colour - TForce Core HB MV ND 20W E27 830 G3

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

20000

General uniform lighting - TForce Core HB MV ND 20W E27 830 G3

0

40000

Burning hours

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