PHILIPS Lighting



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

TForce Core HB MV ND 30W 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]
Nominal lifetime	15,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
Light Technical	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	180 degree(s)
Luminous Flux	3,700 lumen
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K

Luminous Efficacy (rated) (Nom)	123.00 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	30 W
Lamp Current (Nom)	154 mA
Wattage Equivalent	125 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s

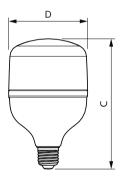
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Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
Temperature	
Ambient temperature range	-20 ℃ to 45 ℃
T-Case Maximum (Nom)	80 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T-shape
Approval and Application	
Energy Consumption kWh/1000 h	30 kWh

EPREL Registration Number	403,630	
CE mark	Yes	
EU RoHS compliant	Yes	
Product Data		
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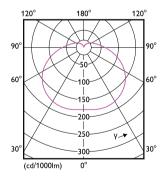
Full product code	871869978095100
Order product name	TForce Core HB MV ND 30W E27 830 G3
Order code	929002406302
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material number (12NC)	929002406302
Full product name	TForce Core HB MV ND 30W E27 830 G3
EAN/UPC - Case	8718699780968

Dimensional drawing



Product D C TForce Core HB MV ND 30W E27 830 G3 100 mm 165 mm

Photometric data



Light Distribution Diagram - TForce Core HB MV ND 30W E27 830 G3

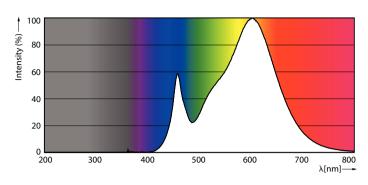
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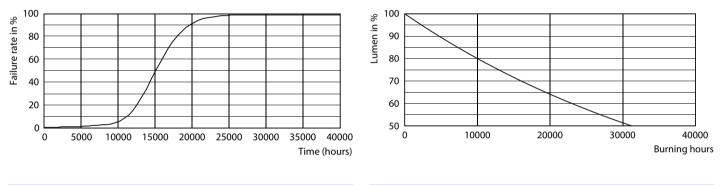
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Photometric data



Spectral Power Distribution Colour - TForce Core HB MV ND 30W E27 830 G3

Lifetime



Lumen Maintenance Diagram - TForce Core HB MV ND 30W E27 830 G3

Life Expectancy Diagram - TForce Core HB MV ND 30W E27 830 G3



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