



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

TFCore 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		Luminous Efficacy (rated) (Nom)	
Cap-Base	E27 [E27]		123.00 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		
Light Technical		Operating and Electrical	
Color Code	830 [CCT of 3000K]	Line Frequency	50 to 60 Hz
Beam Angle (Nom)	180 degree(s)	Input Frequency	50 to 60 Hz
Luminous Flux	3,700 lumen	Power Consumption	30 W
Color Designation	White (WH)	Lamp Current (Nom)	154 mA
Correlated Color Temperature (Nom)	3000 K	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 °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

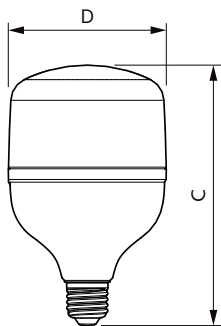
Energy Consumption kWh/1000 h	30 kWh
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EPREL Registration Number	403,630
CE mark	Yes
EU RoHS compliant	Yes

Product Data

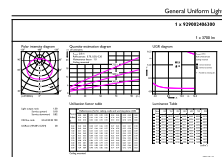
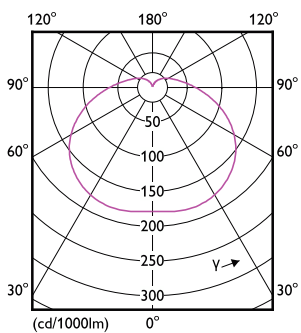
Full product code	871869978095100
Order product name	TForce Core HB MV ND 30W E27 830 G3
Order code	929002406302
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material number (12NC)	929002406302
Full product name	TForce Core HB MV ND 30W E27 830 G3
EAN/UPC - Case	8718699780968

Dimensional drawing



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

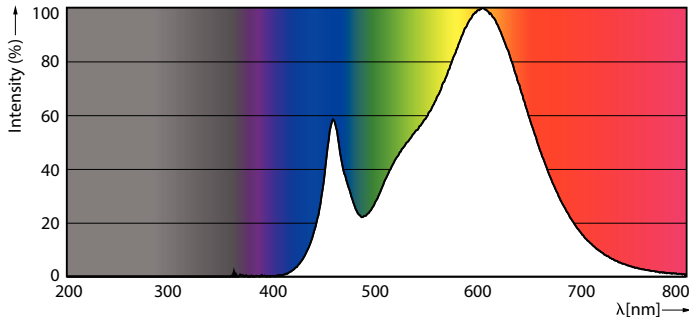
Photometric data



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

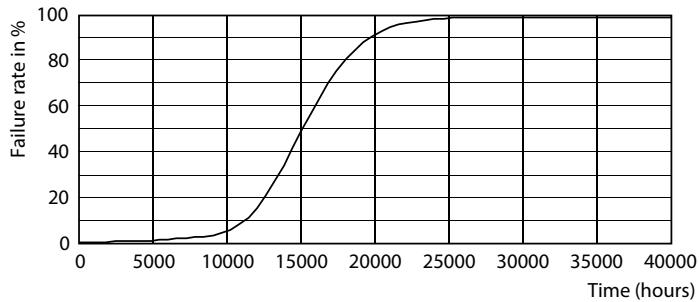
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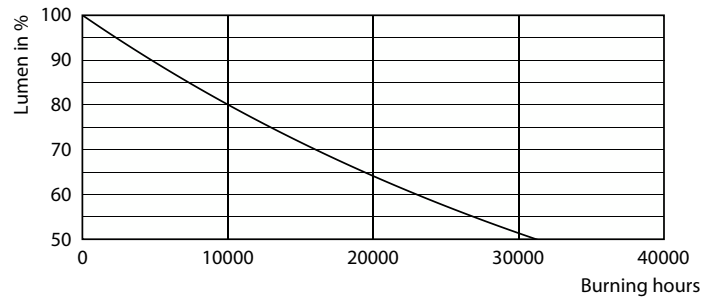


Spectral Power Distribution Colour - TForce Core HB MV ND 30W E27 830 G3

Lifetime



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



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

