



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

TForce Core HB MV ND 30W E27 840 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	Luminous Efficacy (rated) (Nom)	133.00 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	Line Frequency	50 to 60 Hz
Light Technical		Input Frequency	50 to 60 Hz
Color Code	840 [CCT of 4000K]	Power Consumption	30 W
Beam Angle (Nom)	180 degree(s)	Lamp Current (Nom)	154 mA
Luminous Flux	4,000 lm	Starting Time (Nom)	0.5 s
Color Designation	Cool White (CW)	Warm-up time to 60% light	0.5 s
Correlated Color Temperature (Nom)	4000 K	Power Factor (Fraction)	0.9

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Voltage (Nom)	220–240 V
Ballast Compatibility	Mains
Inrush current at mains	17.5
Max. lamp no. on MCB B type 10A – Mains	8
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A – Mains	13
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	-

Temperature

T-Case Maximum (Nom)	80 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Shape	T-shape
Net Weight (Piece)	0.078 kg

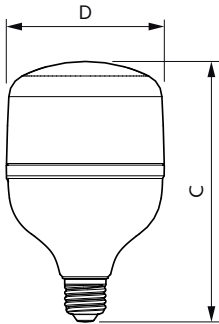
Approval and Application

Energy Efficiency Class	E
Energy Consumption kWh/1000 h	30 kWh
EPREL Registration Number	1744997
CE mark	Yes
EU RoHS compliant	Yes
Ambient temperature range	-20 °C to 45 °C

Product Data

Order product name	TForce Core HB MV ND 30W E27 840 G3
Full product name	TForce Core HB MV ND 30W E27 840 G3
Full product code	871869978097500
Order code	929002406402
Material Nr. (12NC)	929002406402
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699780975
Numerator - Packs per outer box	6
EAN/UPC - Case	8718699780982

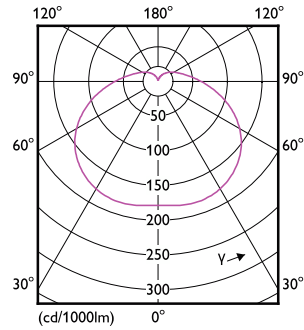
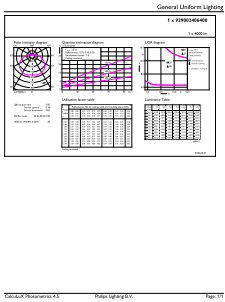
Dimensional drawing



Product	D	C
TForce Core HB MV ND 30W E27 840 G3	100 mm	165 mm

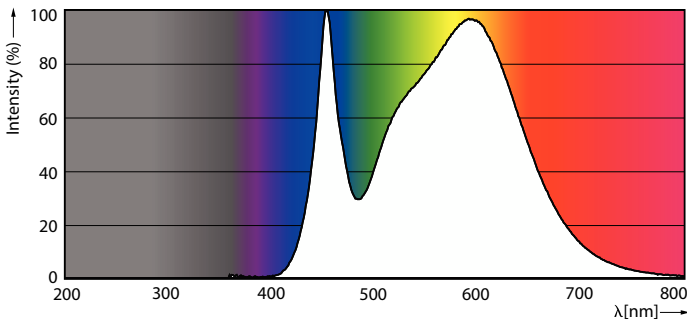
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Photometric data



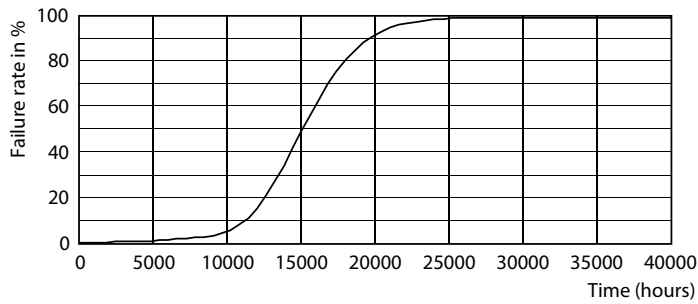
General uniform lighting - TForce Core HB MV ND 30W E27 840 G3

Light Distribution Diagram - TForce Core HB MV ND 30W E27 840 G3

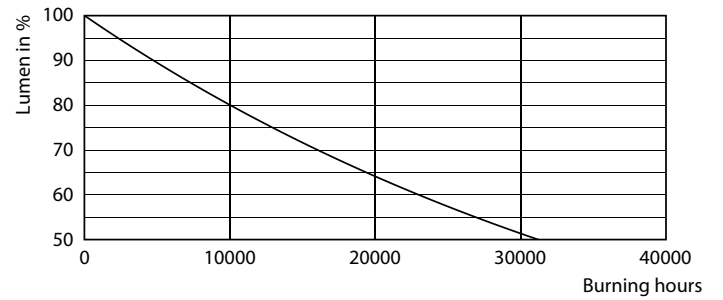


Spectral Power Distribution Colour - TForce Core HB MV ND 30W E27 840 G3

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - TForce Core HB MV ND 30W E27 840 G3

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