



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	
Cap-Base	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 lm
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
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9

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

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
----------------------	-------

Controls and Dimming

Dimmable	No
----------	----

Mechanical and Housing

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

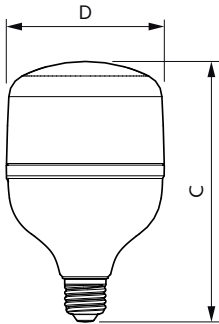
Approval and Application

Energy Efficiency Class	E
Energy Consumption kWh/1000 h	30 kWh
EPREL Registration Number	1744995
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 830 G3
Full product name	TForce Core HB MV ND 30W E27 830 G3
Full product code	871869978095100
Order code	929002406302
Material Nr. (12NC)	929002406302
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699780951
Numerator - Packs per outer box	6
EAN/UPC - Case	8718699780968

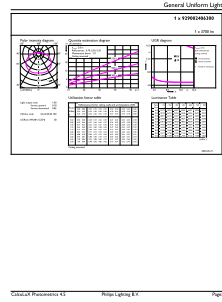
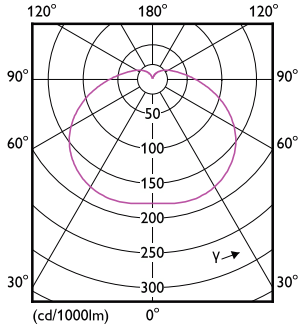
Dimensional drawing



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

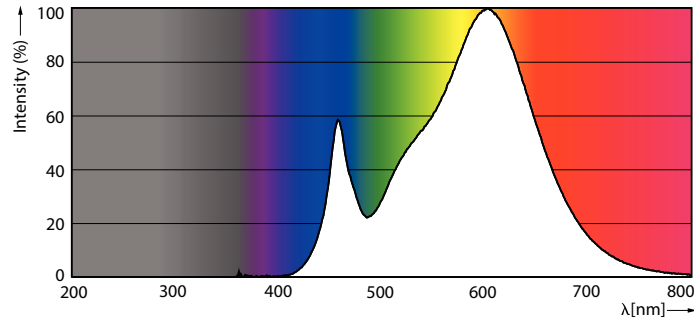
TrueForce Core LED Industrial and Retail (Highbay – HPI/SON/HPL)

Photometric data



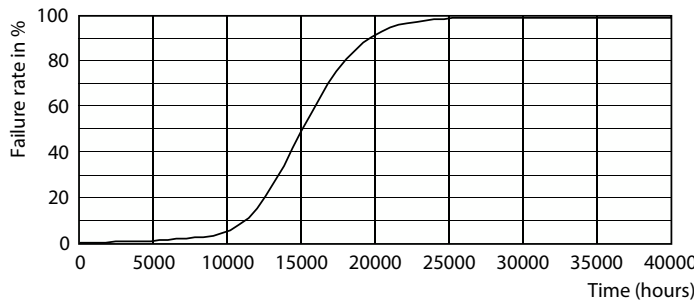
Light Distribution Diagram - TForce Core HB MV ND 30W E27 830 G3

General uniform lighting - TForce Core HB MV ND 30W E27 830 G3

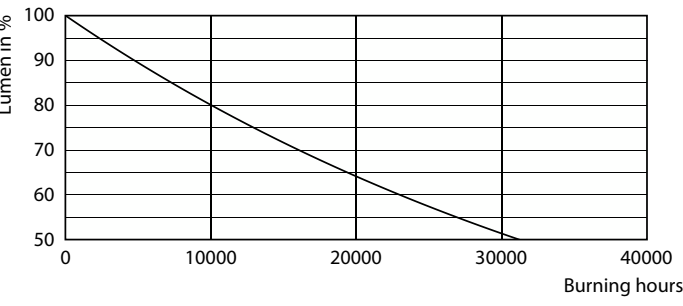


Spectral Power Distribution Colour - TForce Core HB MV ND 30W E27 830 G3

Lifetime



Life Expectancy Diagram



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

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

