



# 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		Color Designation	
Cap-Base	E27		White (WH)
Nominal lifetime	15,000 hour(s)	Correlated Color Temperature (Nom)	3000 K
Switching Cycle	50,000	Luminous Efficacy (rated) (Nom)	123.00 lm/W
Lighting Technology	LED	Color Consistency	<6
Flux measurement reference	Sphere	Color rendering index (CRI)	80
CE mark	Yes	LLMF At End Of Nominal Lifetime (Nom)	70 %
EU RoHS compliant	Yes		
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 lm	Power Consumption	30 W
		Lamp Current (Nom)	154 mA
		Starting Time (Nom)	0.5 s

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Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220–240 V
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 Comp. Cap.	-
Max. lamp no. on MCB B type 10A – EM ballast with Comp. Cap.	-
Max. lamp no. on MCB B type 16A – Mains	13
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
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## Mechanical and Housing

Bulb Finish	Frosted
Bulb Shape	T-shape

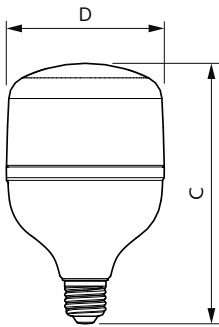
## Approval and Application

Energy Efficiency Class	E
Energy Consumption kWh/1000 h	30 kWh
EPREL Registration Number	403630

## 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

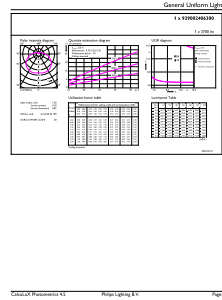
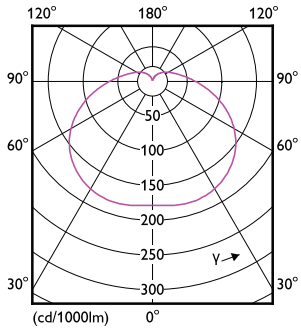
## Dimensional drawing



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

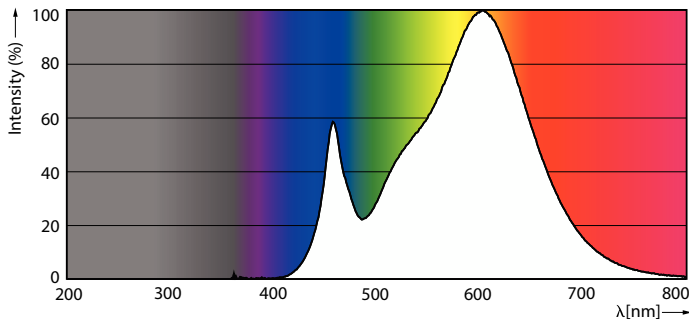
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## Photometric data



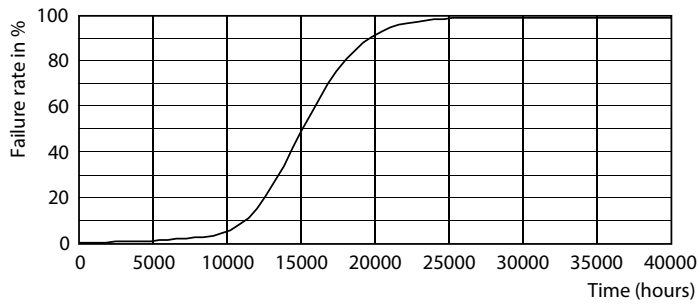
Light Distribution Diagram - TForce Core HB MV ND 30W E27 830 G3

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

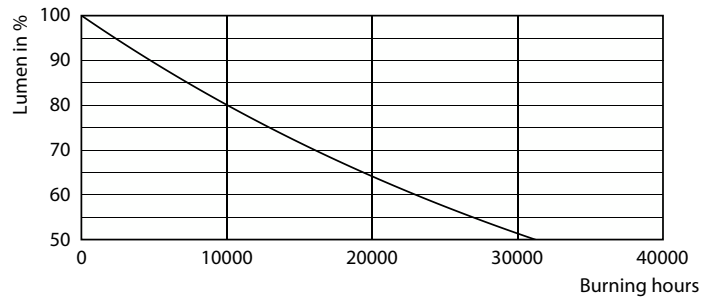


Spectral Power Distribution Colour - TForce Core HB MV ND 30W E27 830 G3

## Lifetime



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



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

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