



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

TrueForce Core HB 50W E27 830 GN3

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 savings 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

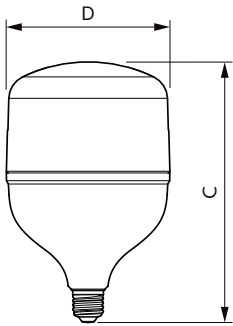
General Information		Operating and Electrical	
Cap base	E27 [E27]	Lamp Luminous Efficacy EM (Nom)	96.00 lm/W
EU RoHS compliant	Yes	Colour consistency	<6
Nominal lifetime (nom.)	15000 h	Colour Rendering Index,horiz (Nom)	80
Switching cycle	50,000X	LLMF at end of nominal lifetime (nom.)	70 %
Technical type	50-70W		
Light Technical			
Colour Code	830 [CCT of 3,000 K]	Input frequency	50 to 60 Hz
Technical Beam Angle (Nom)	180 °	Power (Rated) (Nom)	50 W
Lamp Luminous Flux 25°C EL (Nom)	4800 lm	Lamp current (nom.)	418 mA
Colour Designation	White (WH)	Wattage equivalent	70 W
Colour Temperature, horizontal (Nom)	3000 K	Starting time (nom.)	0.5 s
		Warm-up time to 60% light (nom.)	0.5 s
		Power factor (nom.)	0.5

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Voltage (Nom)	220-240 V
Temperature	
T-Case maximum (nom.)	80 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Frosted
Bulb shape	T-shape
Approval and Application	
Energy consumption kWh/1,000 hours	- kWh

Product Data	
Full product code	871869978067800
Order product name	TrueForce Core HB 50W E27 830 GN3
EAN/UPC – product	8718699780678
Order code	929002408708
SAP numerator – quantity per pack	1
Numerator – packs per outer box	6
SAP material	929002408708
SAP net weight (piece)	0.150 kg

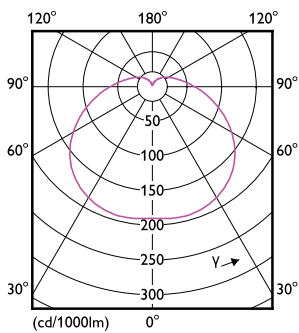
Dimensional drawing



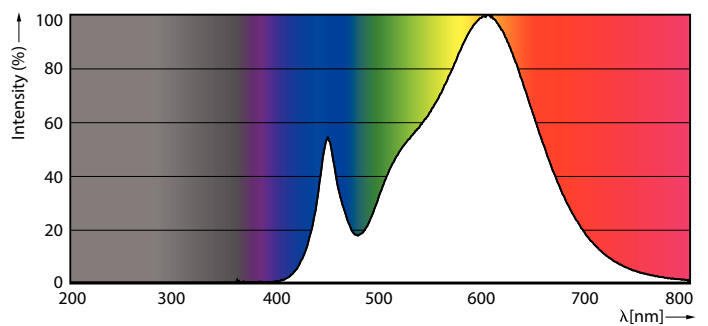
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Product	D	C
TrueForce Core HB 50W E27 830 GN3	139 mm	221 mm

Photometric data



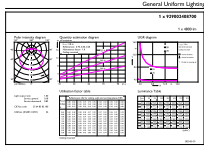
LEDTForce Core HB 50W Tshape E27-LDD



LEDTForce Core HB 50W Tshape E27 830-POC

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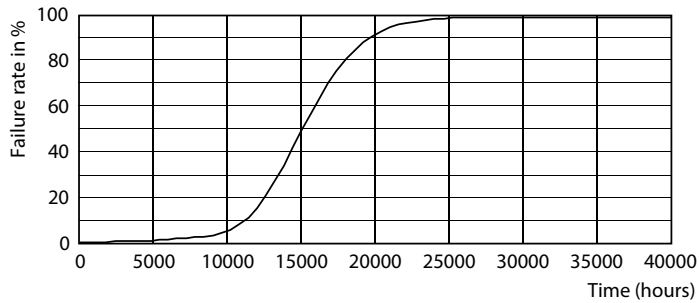
Photometric data



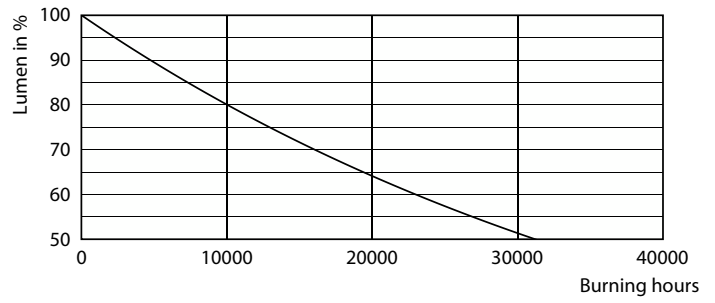
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LEDForce Core HB 50W Tshape E27 830-GUL

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram

