



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

## TForce 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 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
EU RoHS compliant	Yes
Light Technical	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	180 degree(s)
Luminous Flux	4,800 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K

Luminous Efficacy (rated) (Nom)	96.00 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	50 W
Lamp Current (Nom)	418 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.5

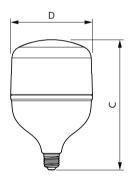
Datasheet, 2024, March 11 data subject to change

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Voltage (Nom)	220-240 V	
Temperature		
Ambient temperature range	-20 °C to 45 °C	
T-Case Maximum (Nom)	78 ℃	
Controls and Dimming		
Dimmable	No	
Mechanical and Housing		
Bulb Finish	Frosted	
Bulb Shape	T-shape	
Approval and Application		
Energy Consumption kWh/1000 h	- kWh	

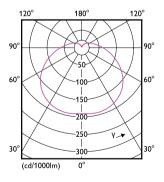
Product Data	
Order product name	TForce Core HB 50W E27 830 GN3
Full product name	TForce Core HB 50W E27 830 GN3
Full product code	871869978067800
Order code	929002408708
Material Nr. (12NC)	929002408708
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699780678
Numerator - Packs per outer box	6
EAN/UPC - Case	8718699780685

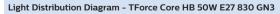
## Dimensional drawing

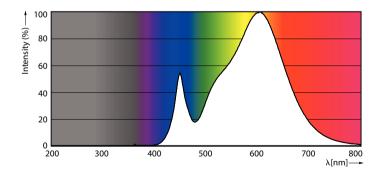


Product	D	С
TForce Core HB 50W E27 830 GN3	139 mm	221 mm

### Photometric data



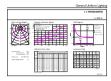




Spectral Power Distribution Colour - TForce Core HB 50W E27 830 GN3

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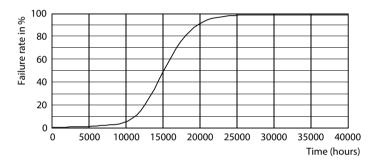
#### Photometric data

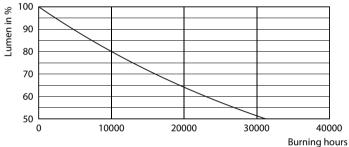


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General uniform lighting - TForce Core HB 50W E27 830 GN3

## Lifetime





Life Expectancy Diagram - TForce Core HB 50W E27 830 GN3

Lumen Maintenance Diagram - TForce Core HB 50W E27 830 GN3



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