



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

TrueForce Core HB 45-50W E27 865

Philips TrueForce LED Industrial and Retail lamps give you a quick and easy payback solution to replace HID lamps in Highbay application. The solution gives you the LED benefits of energy-efficiency and long-lifetime, plus they come for a low initial investment. With unique lamp design and compatibility, you can directly retrofit HID lamps with TrueForce LED lamps without changing the fixtures or gear. Multiple beam angle options and high colour rendering index enhance the lighting distribution while creating a comfortable, safe and high productivity environment.

Warnings and Safety

• EM version requires an EM ballast to operate. Please refer to the installation guide or consult a Philips Lighting representative.

Product data

General information	
Cap-Base	E27 [E27]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	15000 h
Switching Cycle	50000X
Technical Type	50-70W
Light technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	200°

Luminous Flux (Nom)	4500 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	90.00 lm/W
Color Consistency	<6
Color Rendering Index (Nom)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and electrical	
Input Frequency	50 to 60 Hz

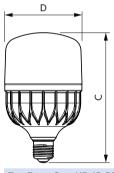
Datasheet, 2021, April 15 data subject to change

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

Power (Nom)	50 W
Lamp Current (Max)	750 mA
Lamp Current (Min)	350 mA
Wattage Equivalent	70 W
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.45
Voltage (Nom)	100-240 V
Temperature	
T-Case Maximum (Nom)	75 ℃
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	
Full product code	871869962781200
Order product name	TrueForce Core HB 45-50W E27 865
EAN/UPC - Product	8718699627812
Order code	929001988312
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	929001988312
Net Weight (Piece)	0.310 kg

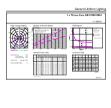
Dimensional drawing



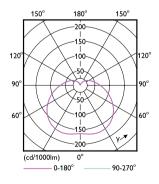
TrueForce Core HB 45-50W E27 865

Product D C TrueForce Core HB 45-50W E27 865 138 mm 221 mm

Photometric data



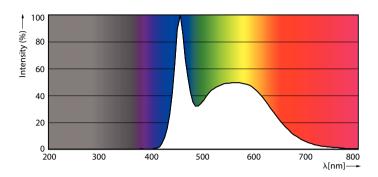
LEDTForce 50W Tshape E27 865



LEDTForce 50W Tshape 865

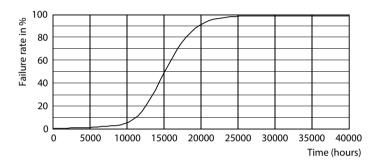
TrueForce LED Industrial and Retail (Highbay - HPI/SON/HPL)

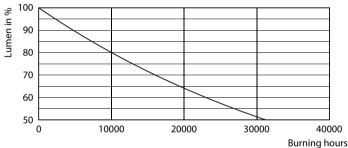
Photometric data



LEDTForce 50W Tshape 865

Lifetime





Life Expectancy Diagram

Lumen Maintenance Diagram



© 2021 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.