



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

TForce Core HB 50W E40 865 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	E40 [E40]
Nominal lifetime	15,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	180 degree(s)
Luminous Flux	5,000 lumen
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K

Luminous Efficacy (rated) (Nom)	100.00 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
Wattage Equivalent	70 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s

Datasheet, 2023, October 9 data subject to change

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

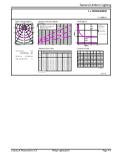
Power Factor (Fraction)	0.5	
Voltage (Nom)	220-240 V	
Temperature		
<u> </u>	20.05 / 45.05	
Ambient temperature range	-20 °C to 45 °C	
T-Case Maximum (Nom)	78 ℃	
Controls and Dimming		
Dimmable	No	
Mechanical and Housing		
Bulb Finish	Frosted	
Bulb Shape	T-shape	
Approval and Application		
Energy Consumption kWh/1000 h	- kWh	

Product Data	
Full product code	871869978071500
Order product name	TForce Core HB 50W E40 865 GN3
Order code	929002408908
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	929002408908
Full product name	TForce Core HB 50W E40 865 GN3
EAN/UPC - Case	8718699780722
EAN/UPC - Product/Case	8718699780715

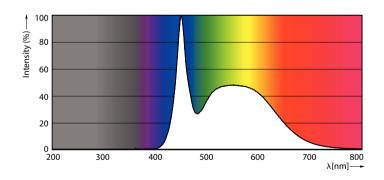
Dimensional drawing

Product	D	С
TForce Core HB 50W E40 865 GN3	139 mm	224 mm

Photometric data



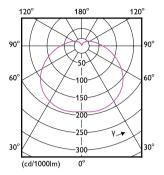
General uniform lighting - TForce Core HB 50W E40 865 GN3



Spectral Power Distribution Colour - TForce Core HB 50W E40 865 GN3

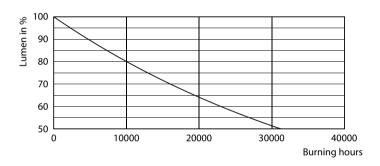
TrueForce Core LED Industrial and Retail (Highbay - HPI/SON/HPL)

Photometric data



Light Distribution Diagram - TForce Core HB 50W E40 865 GN3

Lifetime



Life Expectancy Diagram - TForce Core HB 50W E40 865 GN3

Lumen Maintenance Diagram - TForce Core HB 50W E40 865 GN3



© 2023 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.