



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

TForce Core HB 80W 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
Nominal lifetime	25,000 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	9,000 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K

Luminous Efficacy (rated) (Nom)	112.00 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	80 W
Lamp Current (Nom)	780 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.5

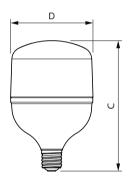
Datasheet, 2024, March 14 data subject to change

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Voltage (Nom)	220-240 V	
Temperature		
Ambient temperature range	-20 °C to 45 °C	
T-Case Maximum (Nom)	83 ℃	
Controls and Dimming		
Dimmable	No	
Mechanical and Housing		
Bulb Finish	Frosted	
Bulb Shape	T-shape	
Approval and Application		
Energy Consumption kWh/1000 h	80 kWh	

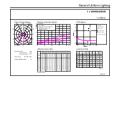
Product Data	
Order product name	TForce Core HB 80W E40 865 GN3
Full product name	TForce Core HB 80W E40 865 GN3
Full product code	871869978079100
Order code	929002409308
Material Nr. (12NC)	929002409308
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699780791
Numerator - Packs per outer box	4
EAN/UPC - Case	8718699780807

Dimensional drawing

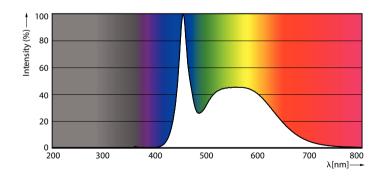


Product	D	С
TForce Core HB 80W E40 865 GN3	160 mm	269 mm

Photometric data



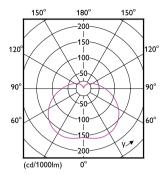
General uniform lighting - TForce Core HB 80W E40 865 GN3



Spectral Power Distribution Colour - TForce Core HB 80W E40 865 GN3

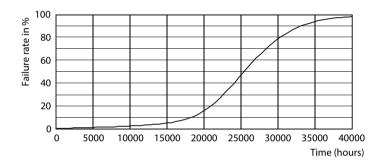
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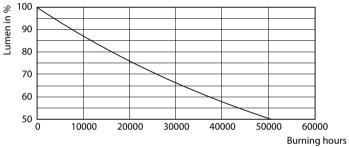
Photometric data



Light Distribution Diagram - TForce Core HB 80W E40 865 GN3

Lifetime





Life Expectancy Diagram - TForce Core HB 80W E40 865 GN3

Lumen Maintenance Diagram - TForce Core HB 80W E40 865 GN3



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