

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

TForce Core HB 80W E40 865 WV G3

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)	730 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9

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Voltage (Nom)	100-277 V

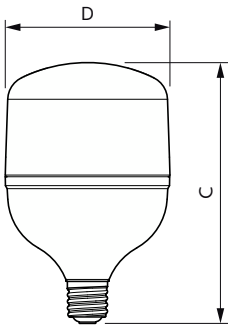
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	78 °C

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T-shape

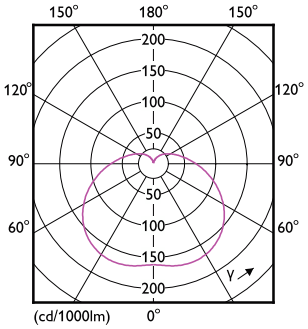
Product Data	
Order product name	TForce Core HB 80W E40 865 WV G3
Full product name	TForce Core HB 80W E40 865 WV G3
Full product code	871869978053100
Order code	929002409912
Material Nr. (12NC)	929002409912
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699780531
Numerator - Packs per outer box	4
EAN/UPC - Case	8718699780548

Dimensional drawing

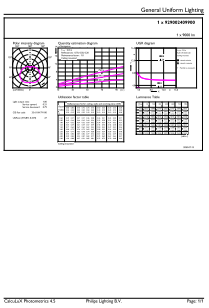


Product	D	C
TForce Core HB 80W E40 865 WV G3	160 mm	269 mm

Photometric data



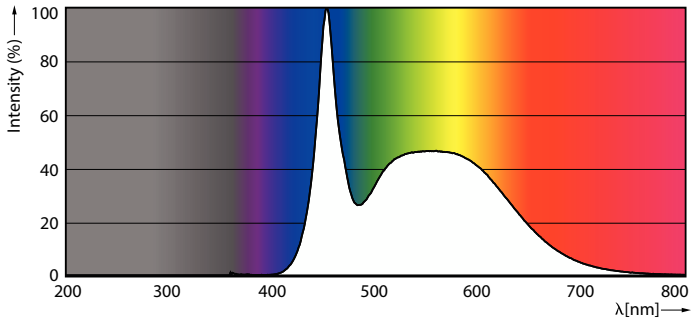
Light Distribution Diagram - TForce Core HB 80W E40 865 WV G3



General uniform lighting - TForce Core HB 80W E40 865 WV G3

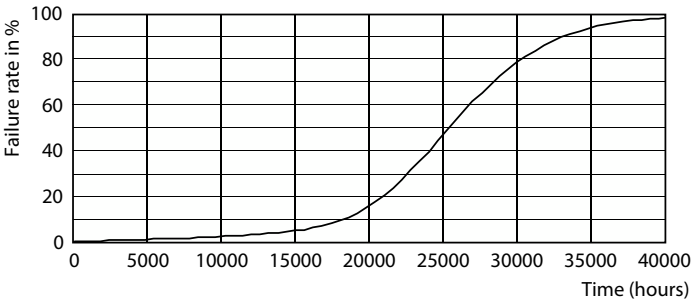
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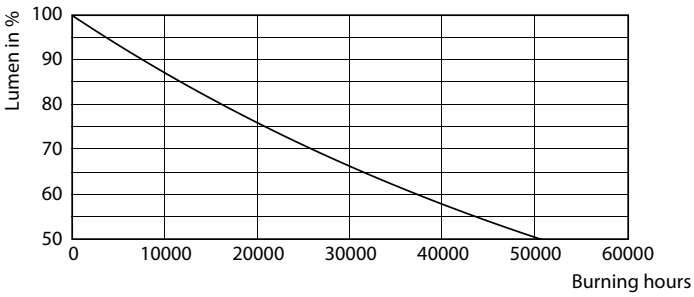


Spectral Power Distribution Colour - TForce Core HB 80W E40 865 WV G3

Lifetime



Life Expectancy Diagram - TForce Core HB 80W E40 865 WV G3



Lumen Maintenance Diagram - TForce Core HB 80W E40 865 WV G3

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