PHILIPS Lighting



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

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Voltage (Nom)	220-240 V	
Temperature		
Ambient temperature range	nbient 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	
Approval and Application		
Energy Consumption kWh/1000 h	- kWh	

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

Dimensional drawing



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



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

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

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Photometric data

	1 + 929003488900
	5 + 5000 m
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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



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Photometric data