

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

TForce Core HB 4.5Klm 50W E27 865

LED, T120, Mains only, 50 W, E27, 6500 K, 4500 lm, 15000 hour(s)

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	E27
Nominal lifetime	15,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Warranty period	1 years

Light Technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	150 degree(s)
Luminous Flux	4,500 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	90 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Photobiological safety according to EN 62471	RG1

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Operating and Electrical	
Input Frequency	50 to 60 Hz
Power Consumption	50 W
Lamp Current (Nom)	356 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.5
Voltage (Nom)	220-240 V
Wattage Equivalent (LED HID only)	65W CFL, 80W HID
Ballast Compatibility	Mains only

Temperature	
T-Case Maximum (Nom)	83 °C

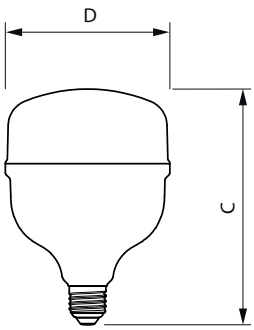
Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T120
Net Weight (Piece)	0.132 kg

Approval and Application	
Energy Saving Product	Yes
Energy Consumption kWh/1000 h	50 kWh
EU RoHS compliant	Yes
Ambient temperature range	-20 to +45 °C

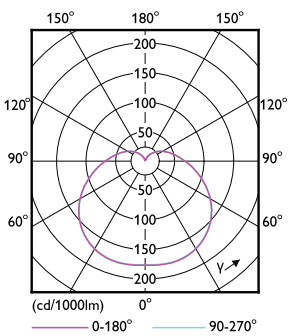
Product Data	
Order product name	TForce Core HB 4.5Klm 50W E27 865
Full product name	TForce Core HB 4.5Klm 50W E27 865
Full product code	872110309402500
Order code	929004612412
Material Nr. (12NC)	929004612412
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103094025
Numerator - Packs per outer box	6
EAN/UPC - Case	8721103094032

Dimensional drawing

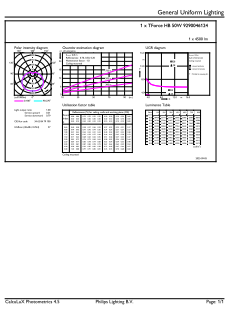


Product	D	C
TForce Core HB 4.5Klm 50W E27 865	119 mm	167 mm

Photometric data



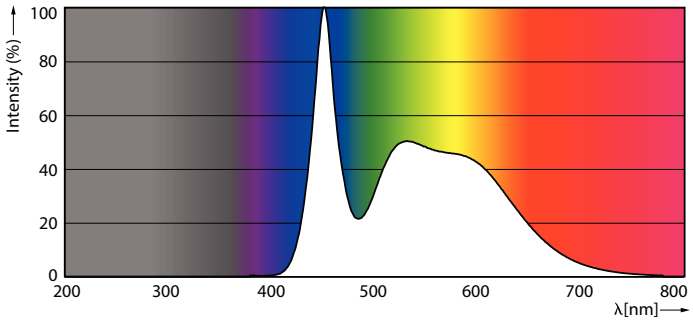
Light Distribution Diagram - TForce Core HB 4.5Klm 50W E27 865



General uniform lighting - TForce Core HB 4.5Klm 50W E27 865

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Photometric data



Spectral Power Distribution Colour - TForce Core HB 4.5Klm 50W E27 865

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