



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

TForce Core HB 45-50W E40 865

Philips TrueForce LED Industrial and Retail lamps give you a quick and easy payback solution to replace HID lamps in Highbay application. The solution gives you the LED benefits of energy-efficiency and long-lifetime, plus they come for a low initial investment. With unique lamp design and compatibility, you can directly retrofit HID lamps with TrueForce LED lamps without changing the fixtures or gear. Multiple beam angle options and high colour rendering index enhance the lighting distribution while creating a comfortable, safe and high productivity environment.

Warnings and Safety

• EM version requires an EM ballast to operate. Please refer to the installation guide or consult a Philips Lighting representative.

Product data

General Information		Color Designation	
Cap-Base	E40 [E40]	Color Designation	Cool Daylight
Nominal lifetime	15,000 hour(s)	Correlated Color Temperature (Nom)	6500 K
Switching Cycle	50,000	Luminous Efficacy (rated) (Nom)	90.00 lm/W
Lighting Technology	LED	Color Consistency	<6
		Color rendering index (CRI)	80
		LLMF At End Of Nominal Lifetime (Nom)	70 %
Light Technical		Operating and Electrical	
Color Code	865 [CCT of 6500K]	Line Frequency	50 to 60 Hz
Beam Angle (Nom)	200 degree(s)	Input Frequency	50 to 60 Hz
Luminous Flux	4,500 lumen		

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Power Consumption	50 W
Wattage Equivalent	70 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.45
Voltage (Nom)	100-240 V

Temperature

Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	90 °C

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Shape	T-shape

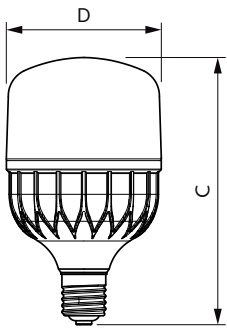
Approval and Application

Energy Consumption kWh/1000 h	- kWh
EU RoHS compliant	Yes

Product Data

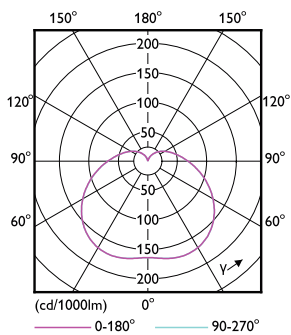
Full product code	871869963320200
Order product name	TForce Core HB 45-50W E40 865
Order code	929001999612
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material number (12NC)	929001999612
Full product name	TForce Core HB 45-50W E40 865
EAN/UPC - Case	8718699633219

Dimensional drawing

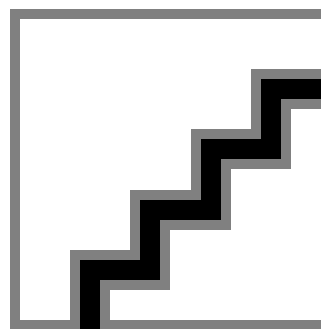


Product	D	C
TForce Core HB 45-50W E40 865	138 mm	238 mm

Photometric data



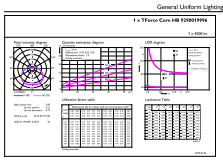
Light Distribution Diagram - TForce Core HB 45-50W E40 865



Spectral Power Distribution Colour - TForce Core HB 45-50W E40 865

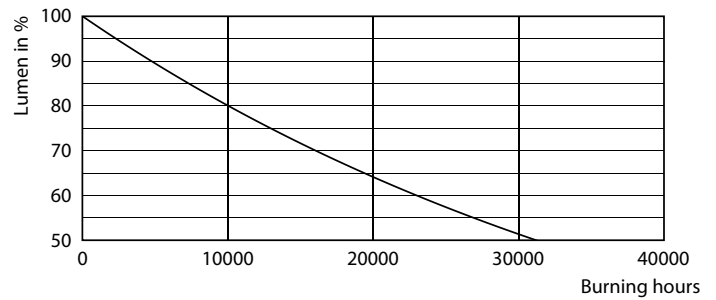
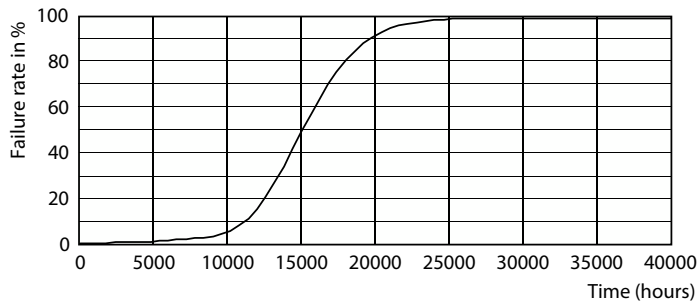
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Lifetime



Life Expectancy Diagram - TForce Core HB 45-50W E40 865

Lumen Maintenance Diagram - TForce Core HB 45-50W E40 865

