



# 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		Operating and Electrical	
Cap-Base	E40 [E40]	Luminous Efficacy (rated) (Nom)	100.00 lm/W
Nominal lifetime	15,000 hour(s)	Color Consistency	<6
Switching Cycle	50,000	Color rendering index (CRI)	80
Lighting Technology	LED	LLMF At End Of Nominal Lifetime (Nom)	70 %
EU RoHS compliant	Yes		
Light Technical		Line Frequency	50 to 60 Hz
Color Code	865 [CCT of 6500K]	Input Frequency	50 to 60 Hz
Beam Angle (Nom)	180 degree(s)	Power Consumption	50 W
Luminous Flux	5,000 lumen	Lamp Current (Nom)	418 mA
Color Designation	Cool Daylight	Wattage Equivalent	70 W
Correlated Color Temperature (Nom)	6500 K	Starting Time (Nom)	0.5 s
		Warm-up time to 60% light	0.5 s

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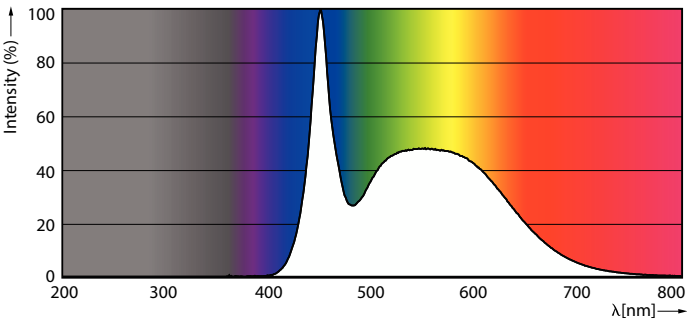
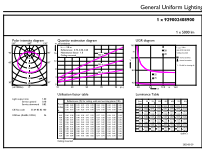
Power Factor (Fraction)	0.5
Voltage (Nom)	220-240 V
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	78 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T-shape
Approval and Application	
Energy Consumption kWh/1000 h	- kWh

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

Dimensional drawing

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

Photometric data

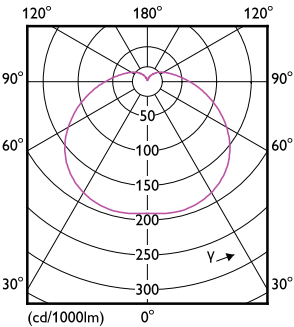


General uniform lighting - TForce Core HB 50W E40 865 GN3

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

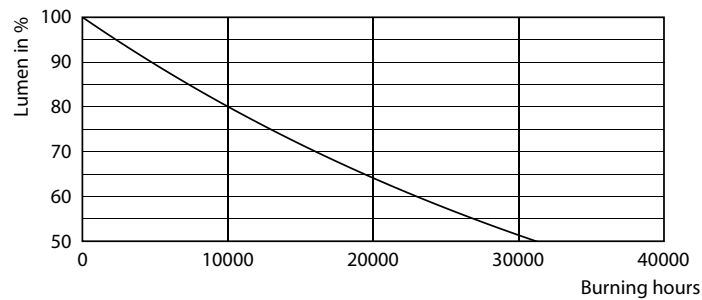
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Photometric data



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

