



# 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

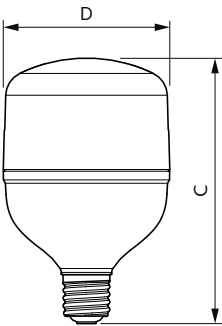
General Information		Operating and Electrical	
Cap-Base	E40	Luminous Efficacy (rated) (Nom)	100.00 lm/W
Nominal lifetime	15,000 hour(s)	Color Consistency	<6
Switching Cycle	50,000	Color rendering index (CRI)	80
Lighting Technology	LED	LLMF At End Of Nominal Lifetime (Nom)	70 %
EU RoHS compliant	Yes		
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 lm	Lamp Current (Nom)	418 mA
Color Designation	Cool Daylight	Starting Time (Nom)	0.5 s
Correlated Color Temperature (Nom)	6500 K	Warm-up time to 60% light	0.5 s
		Power Factor (Fraction)	0.5

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

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

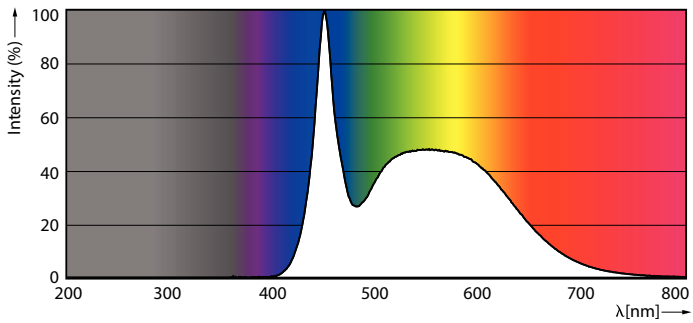
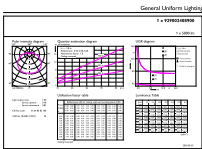
Product Data	
Order product name	TForce Core HB 50W E40 865 GN3
Full product name	TForce Core HB 50W E40 865 GN3
Full product code	871869978071500
Order code	929002408908
Material Nr. (12NC)	929002408908
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699780715
Numerator - Packs per outer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

Dimensional drawing



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

Photometric data

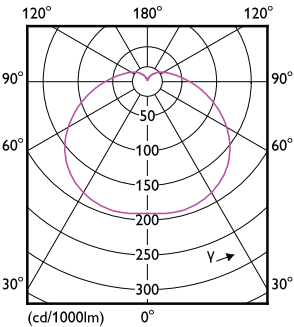


General uniform lighting - TForce Core HB 50W E40 865 GN3

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

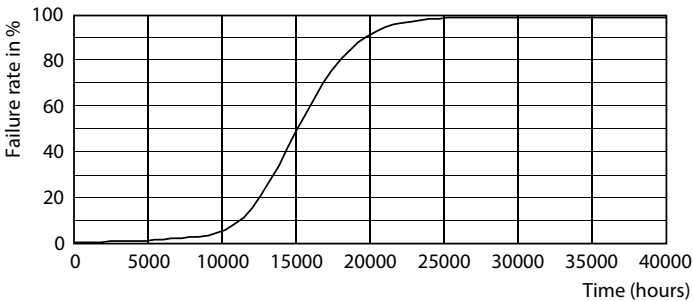
TrueForce Core LED Industrial and Retail (Highbay – HPI/SON/HPL)

Photometric data

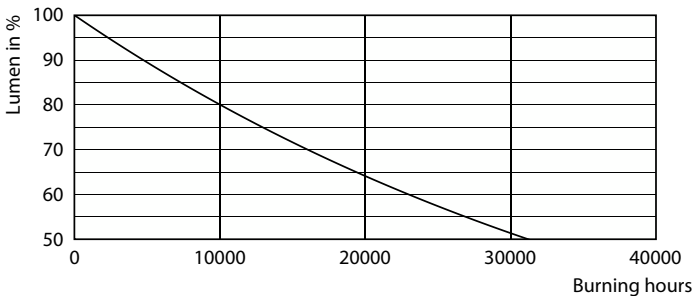


Light Distribution Diagram - TForce Core HB 50W E40 865 GN3

Lifetime



Life Expectancy Diagram - TForce Core HB 50W E40 865 GN3



Lumen Maintenance Diagram - TForce Core HB 50W E40 865 GN3

