



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

TForce Core HB 50W E40 865 GN3

LED HPI, T-shape T140, Mains only, 50 W, 75W CFL, 70W HID, E40, 6500 K, 5000 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		Operating and Electrical	
Cap-Base	E40	Luminous Flux	5,000 lm
Nominal lifetime	15,000 hour(s)	Color Designation	Cool Daylight
Switching Cycle	50,000	Correlated Color Temperature (Nom)	6500 K
Lighting Technology	LED HPI	Luminous Efficacy (rated) (Nom)	100.00 lm/W
Warranty period	1 years	Color Consistency	<6
		Color rendering index (CRI)	80
		LLMF At End Of Nominal Lifetime (Nom)	70 %
Light Technical			
Color Code	865 [CCT of 6500K]	Line Frequency	50 to 60 Hz
Beam Angle (Nom)	180 degree(s)		

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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
Voltage (Nom)	220-240 V
Wattage Equivalent (LED HID only)	75W CFL, 70W HID
Ballast Compatibility	Mains only

Temperature

T-Case Maximum (Nom)	78 °C
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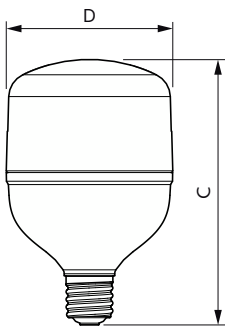
Controls and Dimming

Dimmable	No
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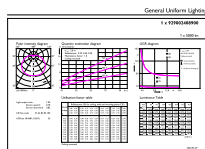
Mechanical and Housing

Bulb Finish	Frosted
Bulb Shape	T-shape T140
Net Weight (Piece)	0.290 kg

Dimensional drawing



Photometric data



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

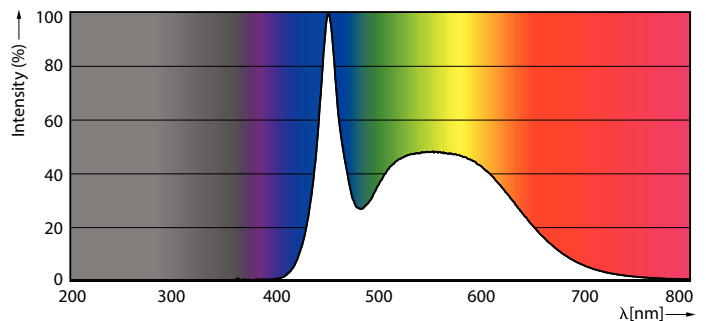
Approval and Application

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

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

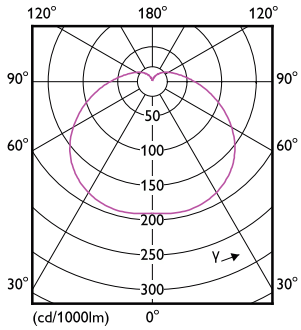
Product	D	C
TForce Core HB 50W E40 865 GN3	139 mm	224 mm



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



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

