



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

TrueForce Core HB 80W E40 840 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 savings 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

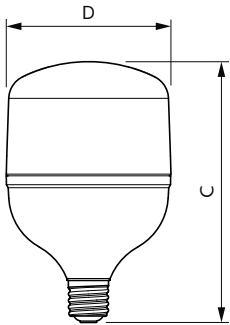
General information		Operating and electrical	
Cap base	E40 [E40]	Lamp Luminous Efficacy EM (Nom)	112.00 lm/W
EU RoHS compliant	Yes	Colour consistency	<6
Nominal lifetime (nom.)	25000 h	Colour Rendering Index,horiz (Nom)	80
Switching cycle	50000	LLMF at end of nominal lifetime (nom.)	70 %
Technical type	80-150W		
Light technical			
Colour Code	840 [CCT of 4,000 K]	Input frequency	50 to 60 Hz
Technical Beam Angle (Nom)	180 °	Power (Rated) (Nom)	80 W
Lamp Luminous Flux 25°C EL (Nom)	9000 lm	Lamp current (nom.)	780 mA
Colour Designation	Cool White (CW)	Wattage equivalent	150 W
Colour Temperature, horizontal (Nom)	4000 K	Starting time (nom.)	0.5 s
		Warm-up time to 60% light (nom.)	0.5 s
		Power factor (nom.)	0.5

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Voltage (Nom)	220-240 V
Temperature	
T-ambient (max.)	45 °C
T-ambient (min.)	-20 °C
T-Case maximum (nom.)	83 °C
Controls and dimming	
Dimmable	No
Mechanical and housing	
Lamp Finish	Frosted
Bulb shape	T-shape

Approval and application	
Energy consumption kWh/1,000 hours	80 kWh
Product data	
Full product code	871869978077700
Order product name	TrueForce Core HB 80W E40 840 GN3
EAN/UPC – product	8718699780777
Order code	929002409208
SAP numerator – quantity per pack	1
Numerator – packs per outer box	4
SAP material	929002409208
Net Weight (Piece)	0.432 kg

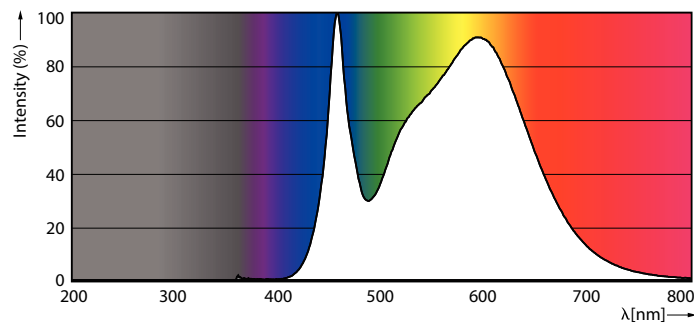
Dimensional drawing



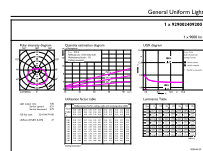
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Product	D	C
TrueForce Core HB 80W E40 840 GN3	160 mm	269 mm

Photometric data



LEDForce Core HB 80W Tshape E40 840

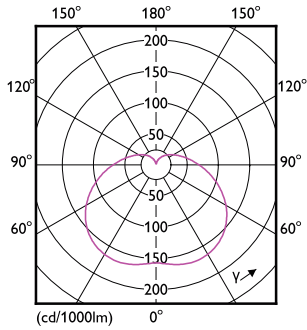


General Uniform Light distribution diagram

LEDForce Core HB 80W Tshape E40 840

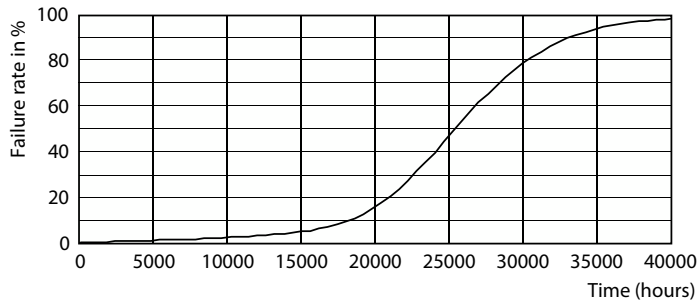
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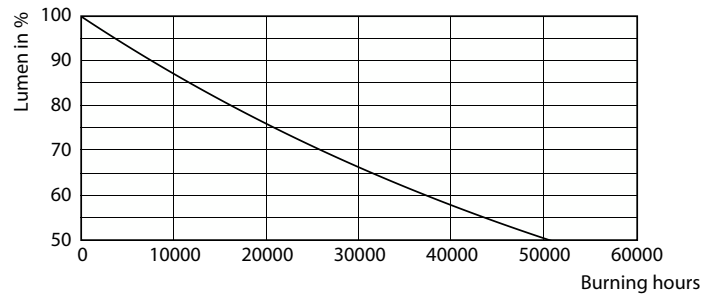


LEDTForce Core HB 80W Tshape E40

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram

