



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

TrueForce HB 100-85W E40 840 120D GM

Philips TrueForce LED Industrial and Retail lamps give you a quick and easy payback solution to replace HID lamps in High-bay applications. The solution gives you the LED benefits of energy-efficiency and long-lifetime, plus the initial investment is low. 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.

Product data

General Information		Colour Designation	
Cap base	E40 [E40]	Colour Designation	Cool White (CW)
RoHS mark	RoHS mark	Colour Temperature, horizontal (Nom)	4000 K
Nominal lifetime (nom.)	25000 h	Lamp Luminous Efficacy EM (Nom)	117.00 lm/W
Switching cycle	50000X	Colour consistency	<6
Technical type	85-250W	Colour Rendering Index, horiz (Nom)	80
		LLMF at end of nominal lifetime (nom.)	70 %
Light Technical		Operating and Electrical	
Colour Code	840 [CCT of 4,000 K]	Input frequency	50 to 60 Hz
Beam Angle (Nom)	120 °	Power (Rated) (Nom)	85 W
Lamp Luminous Flux 25°C EL (Nom)	10000 lm	Lamp current (nom.)	715 mA
Lamp Luminous Flux (Nom)	10000 lm	Wattage equivalent	250 W

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Starting time (nom.)	0.5 s
Warm-up time to 60% light (nom.)	0.5 s
Power factor (nom.)	0.9
Lamp Current at 220 V	715 mA
Voltage (Nom)	110-277 V

Temperature

T-Case maximum (nom.)	90 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb finish	Frosted (FR)
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Approval and Application

Energy efficiency label (EEL)	A+
Energy Consumption kWh/1000 h	85 kWh

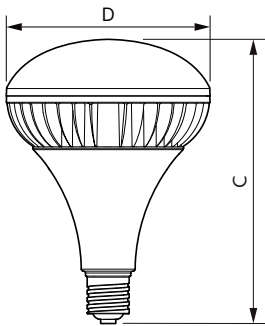
Product Data

Full product code	871869682656000
Order product name	TrueForce HB 100-85W E40 840 120D GM
EAN/UPC – product	8718696826560
Order code	929001875708
Numerator – quantity per pack	1
Numerator – packs per outer box	2
Material no. (12NC)	929001875708
Net weight (piece)	0.876 kg

Warnings and Safety

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

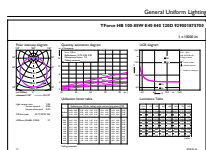
Dimensional drawing



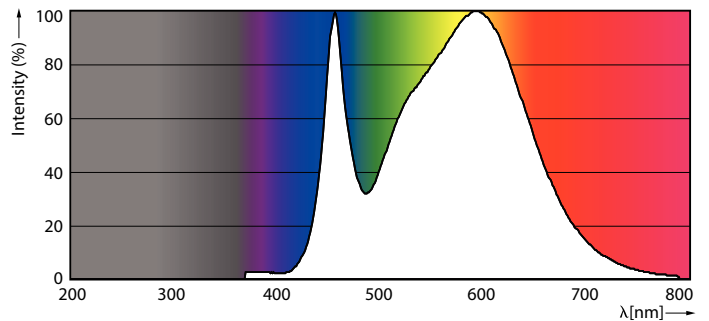
High Bay 50W-5000lm 60D 6500K E40 ND

Product	D	C
TrueForce HB 100-85W E40 840 120D GM	190 mm	270 mm

Photometric data



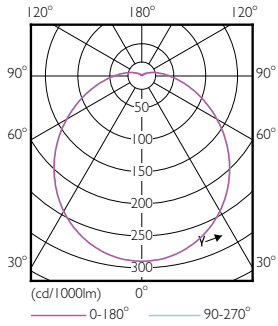
250W E40 Others FR 120D 840 4000K



250W E40 Others FR

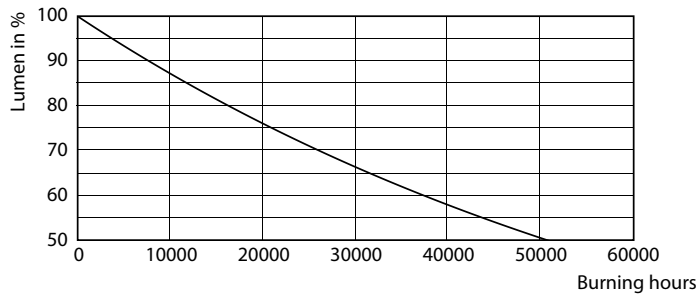
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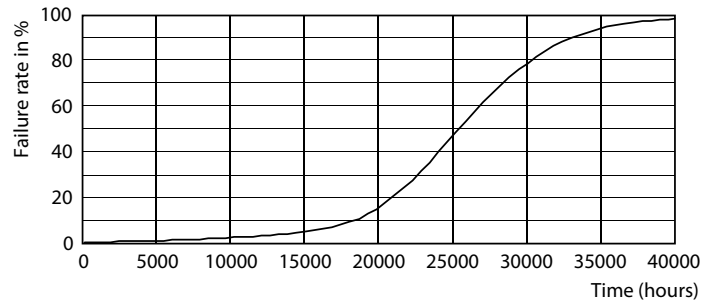


250W E40 Others FR 120D 840 4000K

Lifetime



250W E40 Others FR



250W E40 Others FR

