



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

TrueForce HB 100-85W E40 865 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	
Cap base	E40 [E40]
RoHS mark	RoHS mark
Nominal lifetime (nom.)	25000 h
Switching cycle	50000X
Technical type	85-250W

Light Technical	
Colour Code	865 [CCT of 6,500 K]
Beam Angle (Nom)	120 °
Lamp Luminous Flux 25°C EL (Nom)	10000 lm
Lamp Luminous Flux (Nom)	10000 lm

Colour Designation	Cool Daylight
Colour Temperature, horizontal (Nom)	6500 K
Lamp Luminous Efficacy EM (Nom)	117.00 lm/W
Colour consistency	<6
Colour Rendering Index,horiz (Nom)	80
LLMF at end of nominal lifetime (nom.)	70 %

Operating and Electrical	
Input frequency	50 to 60 Hz
Power (Rated) (Nom)	85 W
Lamp current (nom.)	715 mA
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

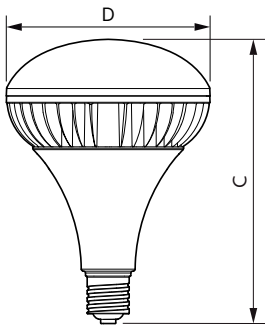
Product Data

Full product code	871869682660700
Order product name	TrueForce HB 100–85W E40 865 120D GM
EAN/UPC – product	8718696826607
Order code	929001875908
Numerator – quantity per pack	1
Numerator – packs per outer box	2
Material no. (12NC)	929001875908
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.

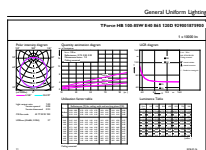
Dimensional drawing



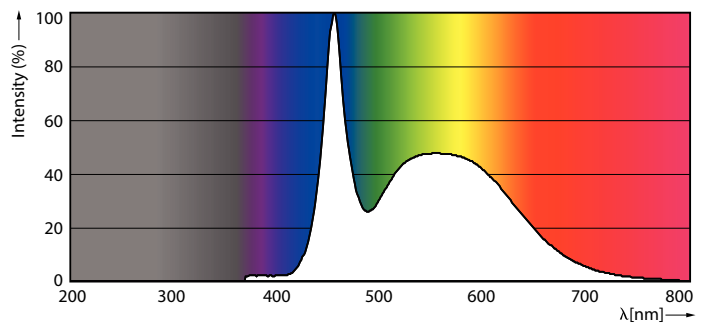
High Bay 95W-10000lm 60D 6500K E40 ND

Product	D	C
TrueForce HB 100–85W E40 865 120D GM	190 mm	270 mm

Photometric data



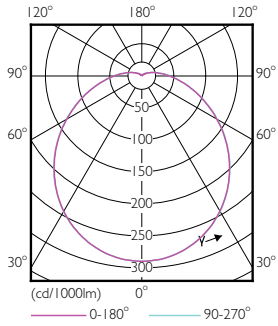
250W E40 Others FR 120D 865 6500K



250W E40 Others FR

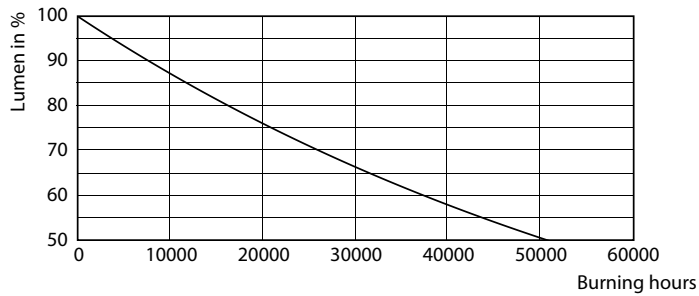
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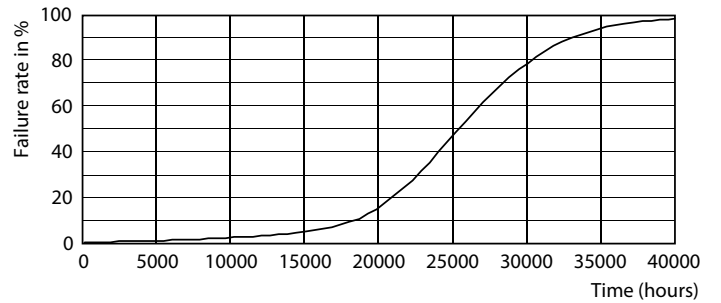


250W E40 Others FR 120D 840 4000K

Lifetime



250W E40 Others FR



250W E40 Others FR

