



Ideal for HPI/SON/HPL LED replacement in Highbay application

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

Philips TrueForce LED Industrial and Retail lamps give you a quick and easy payback solution to replace HID lamps in Highbay application. The solution gives you the LED benefits of energy-efficiency and long-lifetime, plus they come for a low initial investment. 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.

Benefits

- Instant upgrade and easy to install - less time consuming and safer working at height
- Great payback (<2 years) and extended energy savings of 65% vs. existing conventional systems
- Low initial investment

Features

- Direct lamp replacement solution without changing the fixture or gear
- High energy efficiency with directional light
- Long lifetime 50,000hrs for operation efficiency
- Crispy white light 4000K, CRI80 for better visual colour
- Product weight < 1,3kg

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Application

- Industrial - factories, warehouses, distribution centres
- Retail - hyper markets, shopping malls
- Others - transportation hubs, convention centres, sport/city halls

Warnings and Safety

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

Versions

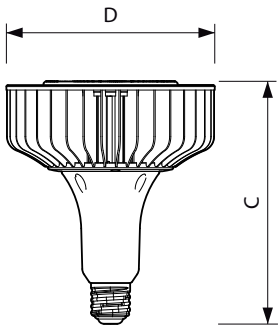
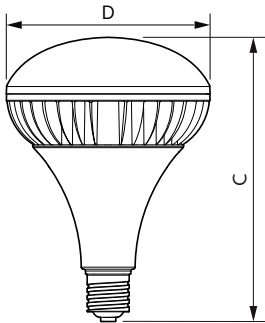


E40 Others



E40 Others

Dimensional drawing



Product	D	C
TrueForce HB 100-85W E40 865 120D GM	190 mm	270 mm
TrueForce HB 100-85W E40 840 120D GM	190 mm	270 mm

Product	D	C
TrueForce Core HB 200-160W E40 865 NB GM	211 mm	252 mm
TrueForce Core HB 200-160W E40 840 NB GM	211 mm	263 mm
TrueForce Core HB 200-160W E40 840 WB GM	211 mm	263 mm
TrueForce Core HB 200-160W E40 865 WB GM	211 mm	252 mm

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Approval and Application

Energy Efficiency Label (EEL) A+

Controls and Dimming

Dimmable No

Operating and Electrical

Input Frequency 50 to 60 Hz

Voltage (Nom) 110-277 V

General Information

Cap-Base E40

Nominal Lifetime (Nom) 25000 h

Switching Cycle 50000X

Light Technical

Color Rendering Index (Nom) 80

Llmf At End Of Nominal Lifetime (Nom) 70 %

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929001812408	TrueForce Core HB 200-160W E40 840 NB GM	-
929001812508	TrueForce Core HB 200-160W E40 840 WB GM	-
929001812608	TrueForce Core HB 200-160W E40 865 NB GM	-
929001812708	TrueForce Core HB 200-160W E40 865 WB GM	-
929001875708	TrueForce HB 100-85W E40 840 120D GM	85 kWh
929001875908	TrueForce HB 100-85W E40 865 120D GM	85 kWh

Operating and Electrical

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)	Starting Time (Nom)
929001812408	TrueForce Core HB 200-160W E40 840 NB GM	400 W	160 W	0.7 s
929001812508	TrueForce Core HB 200-160W E40 840 WB GM	400 W	160 W	0.7 s
929001812608	TrueForce Core HB 200-160W E40 865 NB GM	400 W	160 W	0.7 s

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)	Starting Time (Nom)
929001812708	TrueForce Core HB 200-160W E40 865 WB GM	400 W	160 W	0.7 s
929001875708	TrueForce HB 100-85W E40 840 120D GM	250 W	85 W	0.5 s
929001875908	TrueForce HB 100-85W E40 865 120D GM	250 W	85 W	0.5 s

Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color		
			Color Code	Temperature (Nom)	Luminous Flux (Nom)
929001812408	TrueForce Core HB 200-160W E40 840 NB GM	70 °	841	4000 K	20000 lm
929001812508	TrueForce Core HB 200-160W E40 840 WB GM	130 °	841	4000 K	20000 lm
929001812608	TrueForce Core HB 200-160W E40 865 NB GM	70 °	865	6500 K	20000 lm

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color		
			Color Code	Temperature (Nom)	Luminous Flux (Nom)
929001812708	TrueForce Core HB 200-160W E40 865 WB GM	130 °	865	6500 K	20000 lm
929001875708	TrueForce HB 100-85W E40 840 120D GM	120 °	841	4000 K	10000 lm
929001875908	TrueForce HB 100-85W E40 865 120D GM	120 °	865	6500 K	10000 lm

Mechanical and Housing

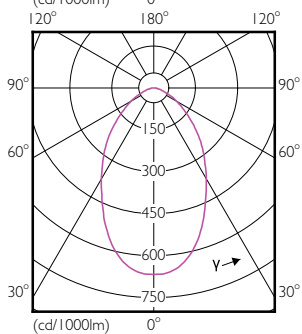
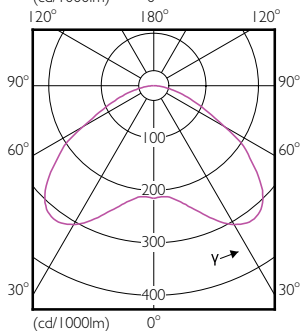
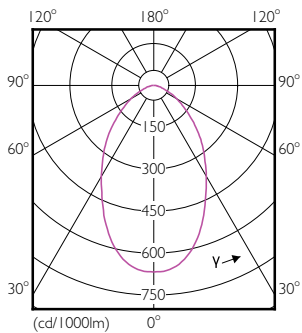
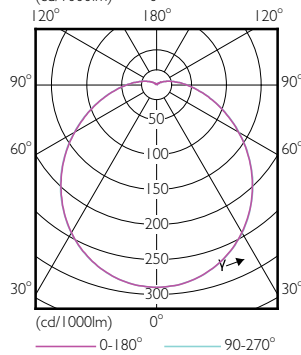
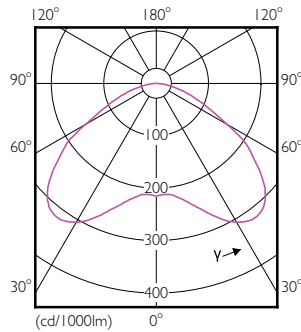
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Order Code	Full Product Name	Bulb Finish	Bulb Shape
929001812408	TrueForce Core HB 200-160W E40 840 NB GM	Frosted	T15
929001812508	TrueForce Core HB 200-160W E40 840 WB GM	Frosted	T15
929001812608	TrueForce Core HB 200-160W E40 865 NB GM	-	T15

Order Code	Full Product Name	Bulb Finish	Bulb Shape
929001812708	TrueForce Core HB 200-160W E40 865 WB GM	-	T15
929001875708	TrueForce HB 100-85W E40 840 120D GM	Frosted	Others
929001875908	TrueForce HB 100-85W E40 865 120D GM	Frosted	Others

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929001812408	TrueForce Core HB 200-160W E40 840 NB GM	100 °C
929001812508	TrueForce Core HB 200-160W E40 840 WB GM	100 °C
929001812608	TrueForce Core HB 200-160W E40 865 NB GM	100 °C
929001812708	TrueForce Core HB 200-160W E40 865 WB GM	100 °C
929001875708	TrueForce HB 100-85W E40 840 120D GM	90 °C
929001875908	TrueForce HB 100-85W E40 865 120D GM	90 °C



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