



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

TrueForce Core HB 200-160W E40 840 WB GM

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.

Product data

General Information		Operating and Electrical	
Cap-Base	E40 [E40]	Correlated Color Temperature (Nom)	4000 K
Nominal Lifetime (Nom)	25000 h	Luminous Efficacy (rated) (Nom)	125.00 lm/W
Switching Cycle	50000X	Color Consistency	<6
Technical Type	160-400W	Color Rendering Index (Nom)	80
		LLMF At End Of Nominal Lifetime (Nom)	70 %
Light Technical			
Color Code	841 [CCT of 4100K (841)]	Input Frequency	50 to 60 Hz
Beam Angle (Nom)	130 °	Power (Rated) (Nom)	160 W
Luminous Flux (Nom)	20000 lm	Lamp Current (Nom)	1900 mA
Luminous Flux (Rated) (Nom)	20000 lm	Wattage Equivalent	400 W
Color Designation	Cool White (CW)	Starting Time (Nom)	0.7 s

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Warm Up Time to 60% Light (Nom)	0.7 s
Power Factor (Nom)	0.9
Lamp Current at 220V	1900 mA
Voltage (Nom)	110-277 V

Temperature

T-Case Maximum (Nom)	100 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	FR [Frosted (FR)]
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Approval and Application

Energy Efficiency Label (EEL)	A+
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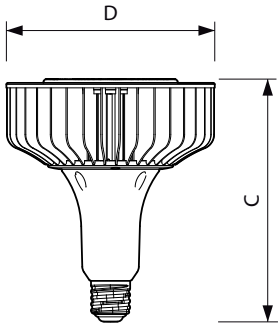
Product Data

Full product code	871869676934800
Order product name	TrueForce Core HB 200-160W E40 840 WB GM
EAN/UPC - Product	8718696769348
Order code	929001812508
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	2
Material Nr. (12NC)	929001812508
Net Weight (Piece)	1.300 kg

Warnings and Safety

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

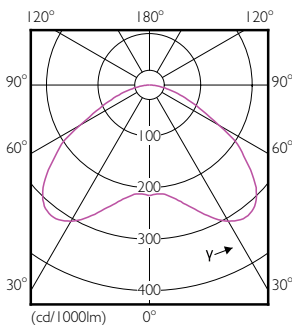
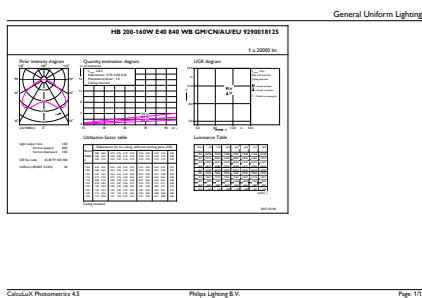
Dimensional drawing



Bulb T50 180-400W 20000lm 4000K E40 ND

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

Photometric data

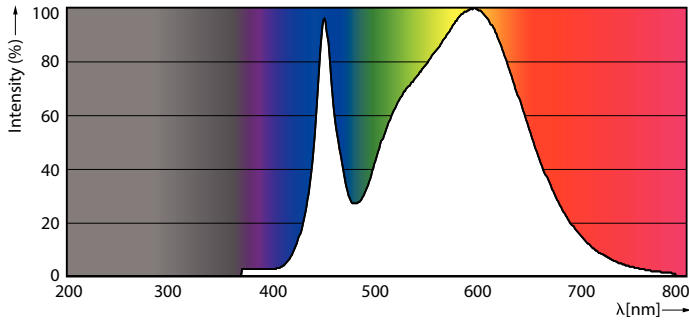


LED TForce HB MV 200-160W E40 T50 Frosted 840 12D ND WB

LED TForce HB MV 200-160W E40 T50 Frosted 840 12D ND WB

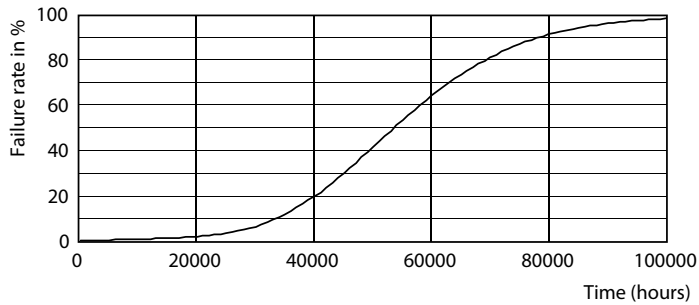
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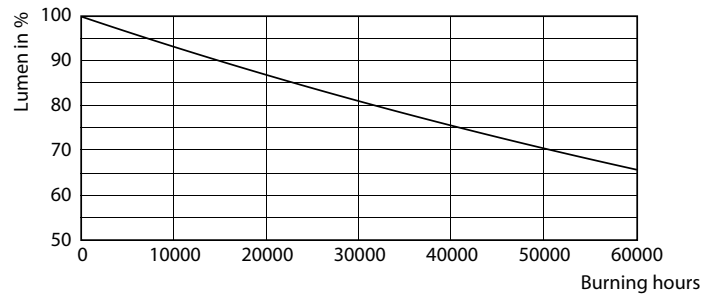


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Lifetime



LedTrueForce



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