

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

TForce Core HB 200-160W E40 865 NB 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.

Warnings and Safety

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

Product data

General Information	
Cap-Base	E40 [E40]
Nominal lifetime	25,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	70 degree(s)

Luminous Flux	20,000 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	125.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Line Frequency	50 to 60 Hz

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Input Frequency	50 to 60 Hz
Power Consumption	160 W
Lamp Current (Nom)	1,900 mA
Starting Time (Nom)	0.7 s
Warm-up time to 60% light	0.7 s
Power Factor (Fraction)	0.9
Voltage (Nom)	110-277 V

Temperature

T-Case Maximum (Nom)	100 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Shape	T50 [T 50mm]

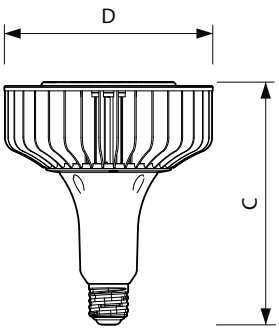
Approval and Application

Energy Consumption kWh/1000 h	- kWh

Product Data

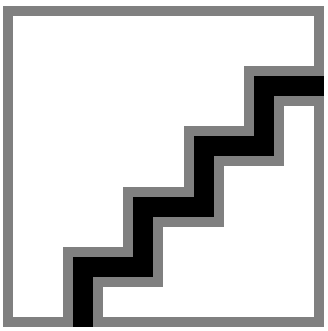
Order product name	TForce Core HB 200-160W E40 865 NB GM
Full product name	TForce Core HB 200-160W E40 865 NB GM
Full product code	871869676936200
Order code	929001812608
Material Nr. (12NC)	929001812608
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696769362
Numerator - Packs per outer box	2
EAN/UPC - Case	8718696769379

Dimensional drawing

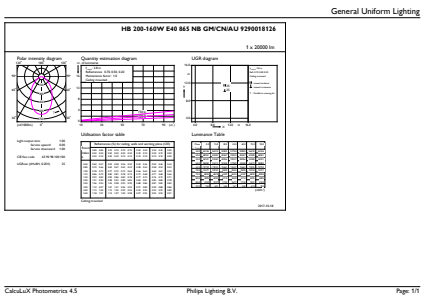


Product	D	C
TForce Core HB 200-160W E40 865 NB GM	211 mm	252 mm

Photometric data



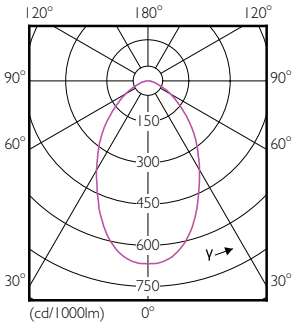
Spectral Power Distribution Colour - TForce Core HB 200-160W E40 865 NB GM



General uniform lighting - TForce Core HB 200-160W E40 865 NB GM

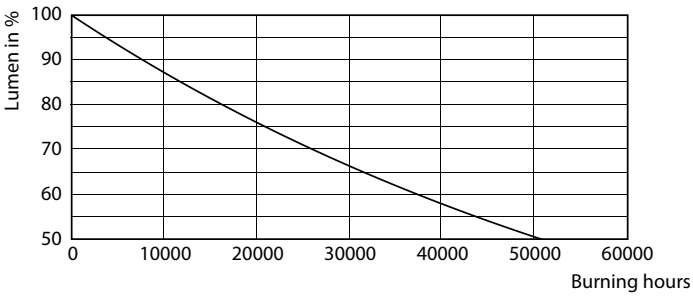
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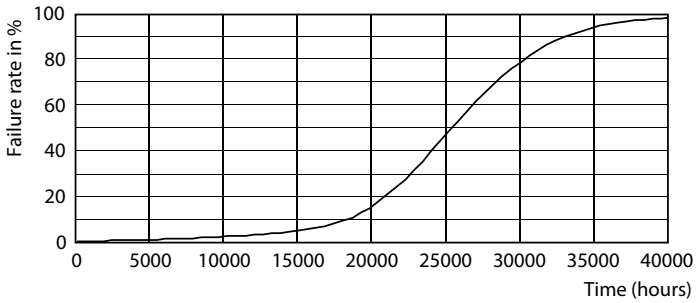


Light Distribution Diagram - TForce Core HB 200-160W E40 865 NB GM

Lifetime



Lumen Maintenance Diagram - TForce Core HB 200-160W E40 865 NB GM



Life Expectancy Diagram - TForce Core HB 200-160W E40 865 NB GM

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