



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

TrueForce 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]	Luminous Flux (Nom)	20000 lm
EU RoHS compliant	Yes	Color Designation	Cool Daylight
Nominal Lifetime (Nom)	25000 h	Correlated Color Temperature (Nom)	6500 K
Switching Cycle	50000X	Luminous Efficacy (rated) (Nom)	125.00 lm/W
Technical Type	160-400W	Color Consistency	<6
		Color Rendering Index (Nom)	80
		LLMF At End Of Nominal Lifetime (Nom)	70 %
Light Technical		Operating and Electrical	
Color Code	865 [CCT of 6500K]	Input Frequency	50 to 60 Hz
Beam Angle (Nom)	70 °		

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Power (Nom)	160 W
Lamp Current (Nom)	1900 mA
Wattage Equivalent	400 W
Starting Time (Nom)	0.7 s
Warm Up Time to 60% Light (Nom)	0.7 s
Power Factor (Nom)	0.9
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 Shape	T50 [T 50mm]
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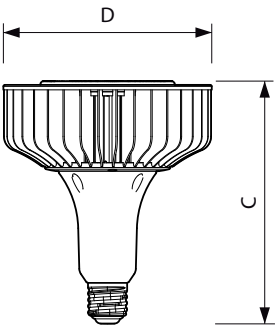
Approval and Application

Energy Consumption kWh/1000 h	- kWh
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Product Data

Full product code	871869676936200
Order product name	TrueForce Core HB 200-160W E40 865 NB GM
EAN/UPC - Product	8718696769362
Order code	929001812608
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	2
Material Nr. (12NC)	929001812608
Net Weight (Piece)	1.300 kg

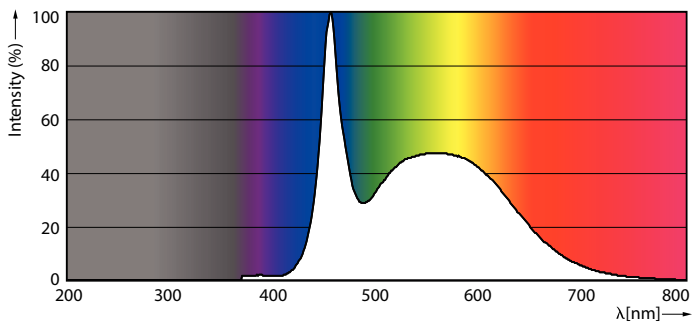
Dimensional drawing



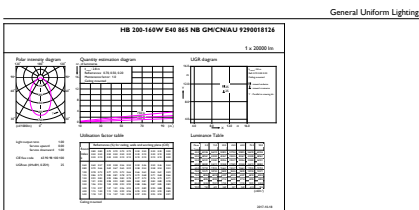
TrueForce Core HB 200-160W E40 865 NB GM

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

Photometric data



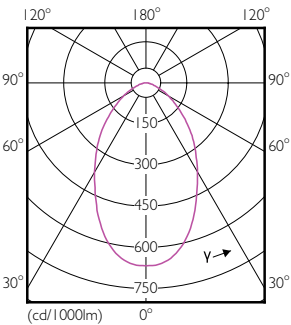
400W E40 T50



400W E40 T50 NB 70D 865 6500K

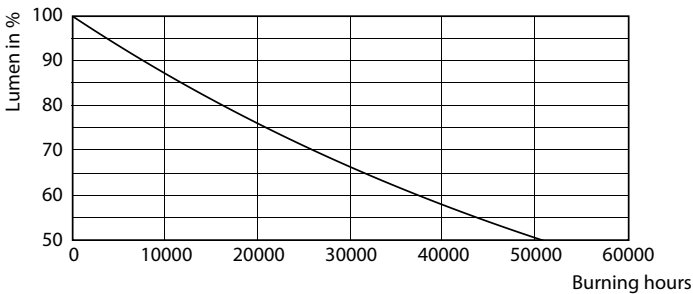
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Photometric data

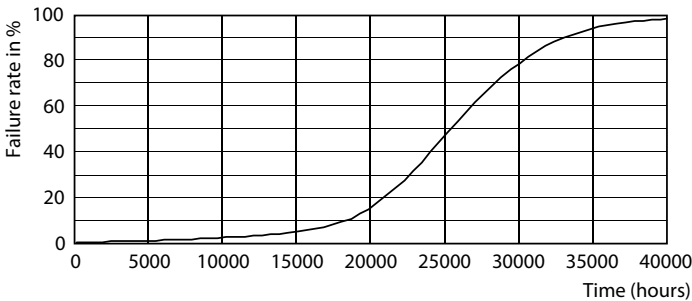


400W E40 T50 70D 865 6500K

Lifetime



250W E40 Others FR



250W E40 Others FR





EnduraLED Waterproof

EnduraLED Waterproof is a reliable and affordable LED Waterproof system that delivers upto 40%* energy savings compared to conventional lighting products. The reliable and robust housing structure helps to maximize the inherent LED advantage of energy saving combined with long life.

Why EnduraLED Waterproof?

Up to 40% energy saving	Reliability	Consistent Lighting Quality
In an age of shrinking natural resources & power capacity deficits, energy saving is a desirable in most applications. The challenge is to maintain the current levels of lighting performance & still offer significant energy savings.	Industrial applications are characterized by varying ambient temperatures which has a detrimental effect on the light output and useful life. While this is critical for optimal performance of the light source, it is also relevant for individual components such as internal wiring / terminal connector blocks etc. to meet/exceed the temperatures measured in the luminaire. EnduraLED Waterproof is designed to meet system specifications on performance & lifetime at a design ambient of 45°C.	Fluorescent waterproof luminaires have advantages of uniform light & very good color rendering index (>80). Precise LED selection plays a key role in delivering consistent lighting quality.
EnduraLED Waterproof luminaires are designed to give up to 40%* energy saving v/s conventional luminaires without compromising on lighting performance. This product is a one to one replacement for twin T5 and TLD waterproof luminaires.		EnduraLED Waterproof provides 6500K with SDCM < 3.5 to provide a uniform color consistency & has a CRI > 80 to match fluorescent specifications.

Applications



Multi level car parks

Industry applications

Public Areas

Technical specifications

WT550C LED35S CW PSU SI PC	
LED	Philips Fortimo
Optics	Symmetrical
System wattage	42
Lumen output	3500
System efficacy	83
Color temperature	6500K
CRI	> 80
IP	IP 65
Gasket material	Silicone
Housing	Virgin PC
Mounting	Surface mounting / Conduit Mounting
Driver	
THD	≤ 10%
pf	> 0.95
Surge protection	Differential Mode & Common Mode - 3kV
Operating voltage range	140V - 270V AC
Driver efficiency	> 90%
Compliance	CISPR15 Ed7.2, IEC 61347-2-13, IEC 61547, IEC 62384, IEC 61000-3-2 & IEC 61000-3-3
Any safety cut off	Open load protection / short circuit protection

Ordering data

Luminaire	Luminaire description	Packaging data	Net wt (kg)	Gross wt (kg)
919515810231	WT550C LED35S CW PSU SI PC	4 in 1 packing	2.5	12.0

Dimensional data

Length	Width	Height
1200mm	98mm	95mm

WT550C LED35S CW PSU SI PC

