



A simple LED solution for direct HID lamp replacement with instant saving and low initial cost

TrueForce LED Industrial and Retail Mains

Philips TrueForce LED Industrial and Retail (Highbay) lamps give you a quick and easy payback solution to replace HID lamps in Highbay applications. The main solution gives you the LED benefits of energy-efficiency and long-lifetime, and come for a low initial investment. The lamp is designed to connect directly to mains to retrofit HID systems with no gear loss and high power factor. TrueForce LED ensures high quality of light that enhances the lighting distribution with comfortable, safe and highly productive environment.

Benefits

- Up to 60% energy saving compared with conventional HID systems
- Direct lamp replacement solution without changing the fixture: cost saving with quick payback
- Lower maintenance costs

Features

- Direct mains solution: 110-277V
- Long lifetime of 25,000hrs
- High Lumen output, instant on, no flicker with very good quality of light (CRI >80)
- Surge Protection and OTP (over temperature protection)

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Application

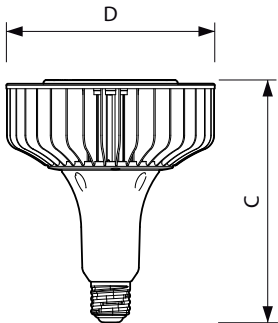
- Industrial - factories, warehouses, distribution centres
- Retail - hyper markets, shopping malls
- Others - transportation hubs, convention centres, sport/city halls

Versions



True Force E40 T50

Dimensional drawing



Product	D	C
TForce Core HB 200-160W E40 840 NB LA	211 mm	252 mm
TForce Core HB 200-160W E40 865 NB LA	211 mm	252 mm

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Controls and Dimming

Dimmable	No
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Operating and Electrical

Input Frequency	50 to 60 Hz
Voltage (Nom)	110-277 V
Wattage Equivalent	400 W
Power (Rated) (Nom)	160 W
Starting Time (Nom)	0.7 s

General Information

Cap-Base	E40
Nominal Lifetime (Nom)	25000 h
Rated Lifetime (Hours)	25000 h
Switching Cycle	50000X

Light Technical

Beam Angle (Nom)	70 °
Color Rendering Index (Nom)	80
Llmf At End Of Nominal Lifetime (Nom)	70 %
Luminous Flux (Nom)	20000 lm
Luminous Flux (Rated) (Nom)	20000 lm

Mechanical and Housing

Bulb Shape	T50
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Temperature

T-Case Maximum (Nom)	100 °C
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Light Technical

Order Code	Full Product Name	Color Code	Correlated Color Temperature (Nom)
929001812812	TForce Core HB 200-160W E40 840 NB LA	840	4000 K
929001813012	TForce Core HB 200-160W E40 865 NB LA	865	6500 K

