



The best LED solution for High Intensity Discharge (HID) lamp replacement

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

Philips TrueForce LED I&R mains lamps offer an easy and short payback LED solution to replace High Intensity Discharge (HID) lamps. The products bring the energy efficiency and long lifetime benefits of LED to HID replacement and provide instant saving and low initial investment. With the right lamp size and light distribution, you can easily retrofit TrueForce LED I&R mains lamps and bypass the existing ballast while enhancing the lighting quality.

Benefits

- Cost saving with short payback time
- Low initial investment
- Enhance lighting quality with easy adoption

Features

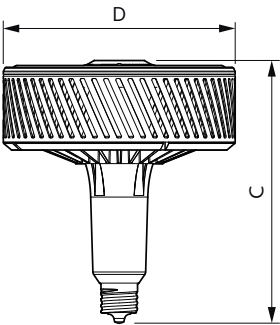
- High energy efficiency
- Lifetime 50,000hrs
- Right lighting distribution
- Connect to mains directly and save additional energy
- Pleasant white light with CRI 80

Application

- Industrial/retail – warehouses, factories, shops, transport hubs

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Dimensional drawing



Product	D	C
TForce HB 140W E40 840 NB GM	250 mm	290 mm
TForce HB 140W E40 840 WB GM	250 mm	290 mm
TForce HB 140W E40 865 NB GM	250 mm	290 mm
TForce HB 140W E40 865 WB GM	250 mm	290 mm

General Information	
Cap-Base	E40
Switching Cycle	50,000
Nominal lifetime	50,000 hour(s)
Light Technical	
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Luminous Flux	20,000 lm
Operating and Electrical	
Input Frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Power Consumption	140 W
Starting Time (Nom)	0.5 s
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	60 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	Others
Approval and Application	
Energy Consumption kWh/1000 h	140 kWh

Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color	
			Temperature (Nom)	Color Code
929002281608	TForce HB 140W E40 840 NB GM	60 degree(s)	4000 K	840
929002281708	TForce HB 140W E40 840 WB GM	120 degree(s)	4000 K	840
929002281808	TForce HB 140W E40 865 NB GM	60 degree(s)	6500 K	865
929002281908	TForce HB 140W E40 865 WB GM	120 degree(s)	6500 K	865

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