



# 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

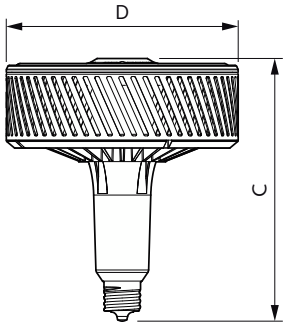
- High energy efficiency
- Lifetime 50,000hrs
- Right lighting distribution
- Connect to mains directly and save additional energy
- Pleasant white light with CRI 80

### 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

### Light Technical

LLMF At End Of Nominal Lifetime (Nom) 70 %

### Operating and Electrical

Input Frequency 50 to 60 Hz

Voltage (Nom) 110-277 V

Starting Time (Nom) 0.5 s

### Temperature

T-Case Maximum (Nom) 60 °C

### Controls and Dimming

Dimmable No

### Mechanical and Housing

Bulb Finish Clear

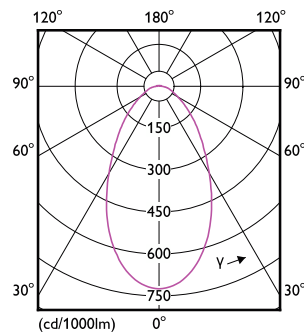
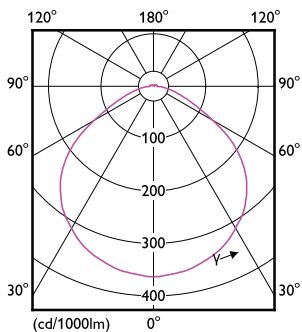
Bulb Shape Others

### Approval and Application

Energy Consumption kWh/1000 h 140 kWh

### Light Technical

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



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