PHILIPS

Lighting

A simple, direct retrofit LED replacement for HID high-bay lamps with MASTER - LED HID HPI for Industrial and Retail applications

MASTER - LED HID HPI

Philips MASTER - LED HID HPI Highbay Universal lamps give you a quick and easy payback solution to replace HID alternatives in high-bay applications. MASTER – LED HID HPI UN solutions give you the LED benefits of energy efficiency and a long lifetime with a retrofit solution. The design of MASTER – LED HID HPI UN enables the direct retrofit of HID lamps without changing the fixtures or gear. The MASTER – LED HID HPI UN lamp is compatible with both 250W and 400W EM gears to maximize the feasibility of such retrofits. Ignitor smart logic eliminates ignitor failure and continued ignition, which may generate overheating and EMI risks. Multiple beam angle options and a high color rendering index enhance the lighting distribution in medium and high-bay applications while creating a comfortable, safe, and highly productive environment.

Benefits

- Retrofit no need for rewiring of existing luminiares
- Better light output and distribution compared to conventional HID lamps
- Multiple beam angle for every application

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Features

- High Energy efficient lamps
- Long lifetime - 50,000 hrs
- Surge protection 4KV
- Direct lamp replacement solution without changing the fixture or gear
- Compatible with 250W and 400W EM gear systems
- Choice of 2 beam angles and Up+Down or Down-light options
- Pleasant white light with CRI 80

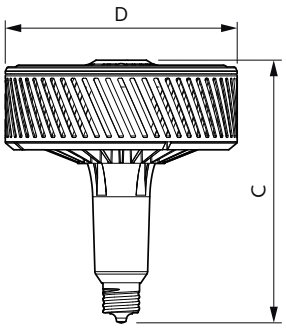
Application

- Food and Large Retailers
- Manufacturing
- Retail

Warnings and Safety

- Please refer to the installation guide or consult a Philips Lighting representative for the wiring diagram and instructions.

Dimensional drawing



Product	D	C
TForce LED HPI UN 140W E40 840 NB	250 mm	290 mm
TForce LED HPI UN 140W E40 840 WB	250 mm	290 mm
TForce LED HPI UN 95W E40 840 NB	250 mm	290 mm
TForce LED HPI UN 95W E40 840 WB	250 mm	290 mm

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General Information	
Cap-Base	E40
Switching Cycle	50,000
Nominal lifetime	50,000 hour(s)

Light Technical	
Correlated Color Temperature (Nom)	4000 K
Color rendering index (CRI)	80
Color Code	840
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Input Frequency	50 Hz
Line Frequency	50 Hz
Starting Time (Nom)	0.5 s

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	Others

Approval and Application	
Ambient temperature range	-20 to +45 °C

Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Luminous Flux
929002350702	TForce LED HPI UN 95W E40 840 NB	60 degree(s)	13,000 lm
929002350802	TForce LED HPI UN 95W E40 840 WB	120 degree(s)	13,000 lm
929002350902	TForce LED HPI UN 140W E40 840 NB	60 degree(s)	20,000 lm
929002351002	TForce LED HPI UN 140W E40 840 WB	120 degree(s)	20,000 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
929002350702	TForce LED HPI UN 95W E40 840 NB	95 W
929002350802	TForce LED HPI UN 95W E40 840 WB	95 W

Order Code	Full Product Name	Power Consumption
929002350902	TForce LED HPI UN 140W E40 840 NB	140 W
929002351002	TForce LED HPI UN 140W E40 840 WB	140 W

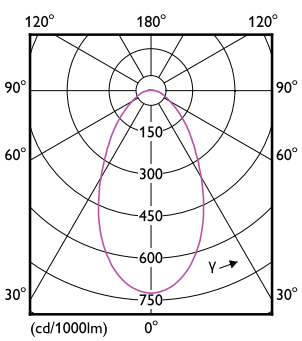
Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929002350702	TForce LED HPI UN 95W E40 840 NB	55 °C
929002350802	TForce LED HPI UN 95W E40 840 WB	55 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929002350902	TForce LED HPI UN 140W E40 840 NB	63 °C
929002351002	TForce LED HPI UN 140W E40 840 WB	63 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/ 1000 h
929002350702	TForce LED HPI UN 95W E40 840 NB	95 kWh
929002350802	TForce LED HPI UN 95W E40 840 WB	95 kWh
929002350902	TForce LED HPI UN 140W E40 840 NB	140 kWh
929002351002	TForce LED HPI UN 140W E40 840 WB	140 kWh



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