



# 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 lamps give you a quick and easy payback solution to replace HID alternatives in high-bay applications. MASTER – LED HID HPI solutions give you the LED benefits of energy efficiency and a long lifetime with a retrofit solution. The design of MASTER – LED HID HPI enables the direct retrofit of HID lamps without changing the fixtures or gear. The MASTER – LED HID HPI lamp is compatible with both 250W and 400W 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 luminaires
- Better light output and distribution compared to conventional HID lamps
- Multiple beam angle for every application

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## Features

- Long lifetime of 50,000 hours
- Direct lamp replacement solution without changing the fixture or gear
- Compatible with 250W and 400W gear systems
- Choice of 2 beam angles and Up+Down or Down light options

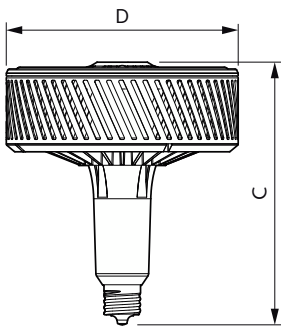
## Application

- 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

## Temperature

Ambient temperature range	-20 °C to 45 °C
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## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Bulb Shape	Others
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## Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Luminous Flux
75367200	TrueForce LED HPI UN 95W E40 840 NB	60 degree(s)	13,000 lumen
75369600	TrueForce LED HPI UN 95W E40 840 WB	120 degree(s)	13,000 lumen
75371900	TrueForce LED HPI UN 140W E40 840 NB	60 degree(s)	20,000 lumen
75373300	TrueForce LED HPI UN 140W E40 840 WB	120 degree(s)	20,000 lumen

## Operating and Electrical

Order Code	Full Product Name	Power Consumption	Wattage Equivalent
75367200	TrueForce LED HPI UN 95W E40 840 NB	95 W	250 W
75369600	TrueForce LED HPI UN 95W E40 840 WB	95 W	250 W

Order Code	Full Product Name	Power Consumption	Wattage Equivalent
75371900	TrueForce LED HPI UN 140W E40 840 NB	140 W	400 W
75373300	TrueForce LED HPI UN 140W E40 840 WB	140 W	400 W

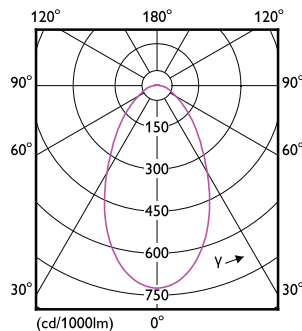
## Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
75367200	TrueForce LED HPI UN 95W E40 840 NB	55 °C
75369600	TrueForce LED HPI UN 95W E40 840 WB	55 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
75371900	TrueForce LED HPI UN 140W E40 840 NB	63 °C
75373300	TrueForce LED HPI UN 140W E40 840 WB	63 °C

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
75367200	TrueForce LED HPI UN 95W E40 840 NB	95 kWh
75369600	TrueForce LED HPI UN 95W E40 840 WB	95 kWh
75371900	TrueForce LED HPI UN 140W E40 840 NB	140 kWh
75373300	TrueForce LED HPI UN 140W E40 840 WB	140 kWh



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