



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 luminaires
- 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

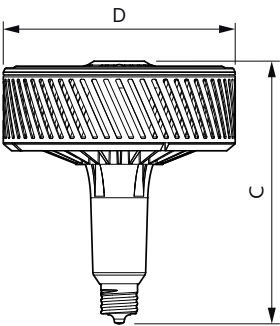
Application

- 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 |

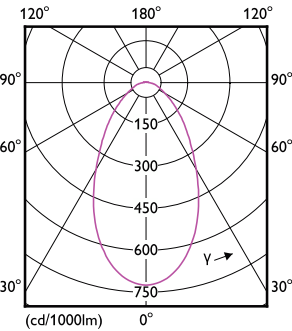
Temperature

| 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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