



Ideal for HPI/SON/HPL LED replacement in High- bay applications

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

Philips TrueForce LED Industrial and Retail lamps give you a quick and easy payback solution to replace HID lamps in High-bay applications. The solution gives you the LED benefits of energy-efficiency and long-lifetime, plus the initial investment is low. With unique lamp design and compatibility, you can directly retrofit HID lamps with TrueForce LED lamps without changing the fixtures or gear. Multiple beam angle options and high colour-rendering index enhance the lighting distribution while creating a comfortable, safe and high-productivity environment.

Benefits

- Instant upgrade and easy to install – less time-consuming and safer working at height
- Great ROI (<2 years) and extended energy savings of 65% vs existing conventional systems
- Low initial investment

Features

- Direct lamp replacement solution without changing fixtures or equipment
- High energy efficiency with directional light
- Long lifetime of 50,000 hrs for operation efficiency
- Crispy white light 4,000 K, CRI80 for better visual colour
- Product weight < 1.3 kg

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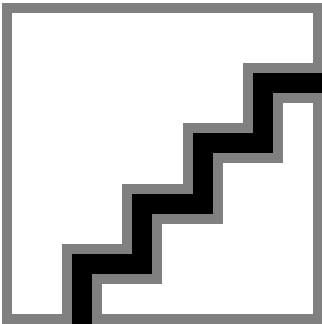
Application

- Industrial – factories, warehouses, distribution centres
- Retail – supermarkets, shopping centres
- Others – transportation hubs, convention centres, sports centres/town halls

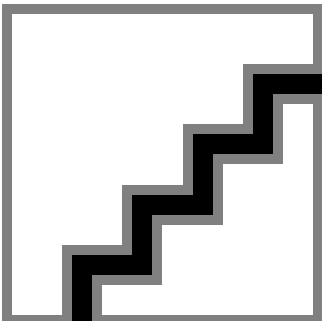
Warnings and Safety

- EM version requires an EM ballast to operate. Please refer to the installation guide or consult a Philips Lighting representative.

Versions



Dimensional drawing



Product	D	C
TrueForce LED HPI ND 110-88W E40 840 60D	210 mm	250 mm
TrueForce LED HPI ND 200-145W E40 840 120D	210 mm	250 mm
TrueForce LED HPI ND 200-145W E40 840 60D	210 mm	250 mm
TrueForce LED HPI ND 110-88W E40 840 120D	210 mm	250 mm

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Approval and Application

Energy Efficiency Label (EEL) A+

Controls and Dimming

Dimmable No

Operating and Electrical

Input Frequency 50 Hz

Voltage (Nom) 100-145 V

General Information

Cap-Base E40

Nominal Lifetime (Nom) 50000 h

Rated Lifetime (Hours) 50000 h

Switching Cycle 50000X

Light Technical

Colour Code 840

Correlated Colour Temperature (Nom) 4000 K

Colour Rendering Index (Nom) 80

Llmf At End Of Nominal Lifetime (Nom) 70 %

Mechanical and Housing

Bulb Shape Others

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
71378500	TrueForce LED HPI ND 110-88W E40 840 60D	97 kWh
71382200	TrueForce LED HPI ND 110-88W E40 840 120D	97 kWh
71386000	TrueForce LED HPI ND 200-145W E40 840 60D	160 kWh
71388400	TrueForce LED HPI ND 200-145W E40 840 120D	160 kWh

Operating and Electrical

Order Code	Full Product Name	Power		
		Wattage Equivalent	(Rated) (Nom)	Starting Time (Nom)
71378500	TrueForce LED HPI ND 110-88W E40 840 60D	250 W	88 W	1.2 s
71382200	TrueForce LED HPI ND 110-88W E40 840 120D	250 W	88 W	1.2 s

Order Code	Full Product Name	Power		
		Wattage Equivalent	(Rated) (Nom)	Starting Time (Nom)
71386000	TrueForce LED HPI ND 200-145W E40 840 60D	400 W	145 W	0.7 s
71388400	TrueForce LED HPI ND 200-145W E40 840 120D	400 W	145 W	0.7 s

Light Technical

Order Code	Full Product Name	Beam		
		Angle (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
71378500	TrueForce LED HPI ND 110-88W E40 840 60D	60 °	11000 lm	11000 lm
71382200	TrueForce LED HPI ND 110-88W E40 840 120D	120 °	11000 lm	11000 lm

Order Code	Full Product Name	Beam		
		Angle (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
71386000	TrueForce LED HPI ND 200-145W E40 840 60D	60 °	20000 lm	20000 lm
71388400	TrueForce LED HPI ND 200-145W E40 840 120D	120 °	20000 lm	20000 lm

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
71378500	TrueForce LED HPI ND 110-88W E40 840 60D	90 °C
71382200	TrueForce LED HPI ND 110-88W E40 840 120D	90 °C
71386000	TrueForce LED HPI ND 200-145W E40 840 60D	95 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
71388400	TrueForce LED HPI ND 200-145W E40 840 120D	95 °C

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