



TrueForce LED Industrial and Retail (Highbay – MH)

TrueForce LED HPI UN 140W E40 840 NB

Philips LED Highbay lamps give you a quick and easy payback solution to replace HID alternatives in high-bay applications. TrueForce LED solutions give you the LED benefits of energy-efficiency and a long lifetime for a low initial investment. The design of TrueForce LED enables the direct retrofit of HID lamps with TrueForce LED lamps without changing the fixtures or gear. In fact, the TrueForce LED 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 overhear 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.

Warnings and Safety

- Installation should always be performed by a qualified electrician or installer. Use the installation guide for instructions.

Product data

General information		Light technical	
Cap-Base	E40 [E40]	Color Code	840 [CCT of 4000K]
CE mark	Yes	Beam Angle (Nom)	60 °
EU RoHS compliant	Yes	Luminous Flux (Nom)	20000 lm
Nominal Lifetime (Nom)	50000 h	Color Designation	Cool White (CW)
Switching Cycle	50000	Correlated Color Temperature (Nom)	4000 K
Flux measurement reference	Narrow Cone	Luminous Efficacy (rated) (Nom)	142 lm/W
Tier	MASTER	Color Consistency	<6
		Color Rendering Index (Nom)	80

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LLMF At End Of Nominal Lifetime (Nom)	70 %
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Operating and electrical	
Input Frequency	50 Hz
Power (Nom)	140 W
Lamp Current (Nom)	700 mA
Wattage Equivalent	400 W
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	1 s
Power Factor (Nom)	0.9
Voltage (Nom)	220-240 V

Temperature	
T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Case Maximum (Nom)	63 °C

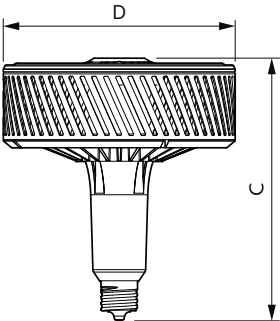
Controls and dimming	
Dimmable	No

Mechanical and housing	
Bulb Shape	Others

Approval and application	
Energy Efficiency Class	F
Energy Consumption kWh/1000 h	140 kWh
EPREL Registration Number	403626

Product data	
Full product code	871869975371900
Order product name	TrueForce LED HPI UN 140W E40 840 NB
EAN/UPC - Product	8718699753719
Order code	929002350902
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	3
Material Nr. (12NC)	929002350902
Net Weight (Piece)	1.250 kg

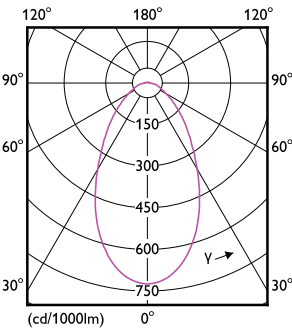
Dimensional drawing



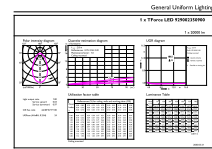
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Product	D	C
TrueForce LED HPI UN 140W E40 840 NB	250 mm	290 mm

Photometric data



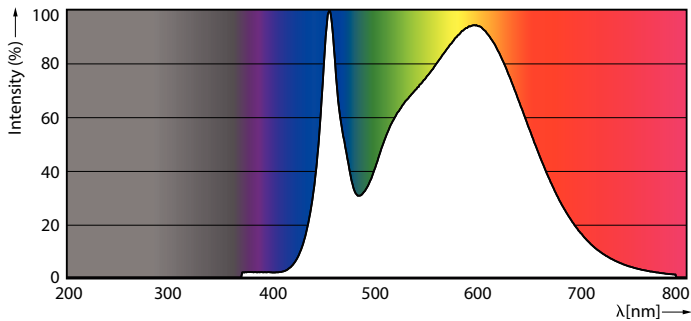
LEDTForce HPI 95W Others E40 60D



LEDTForce HPI 140W Others E40 840 60D

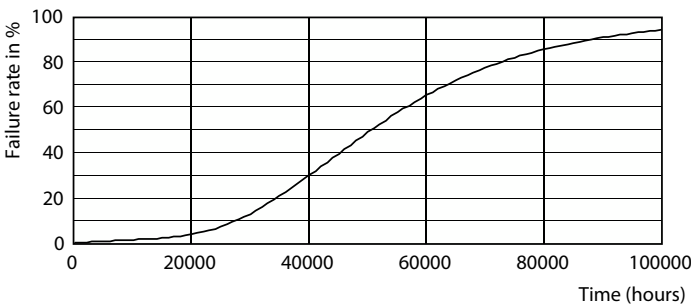
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Photometric data

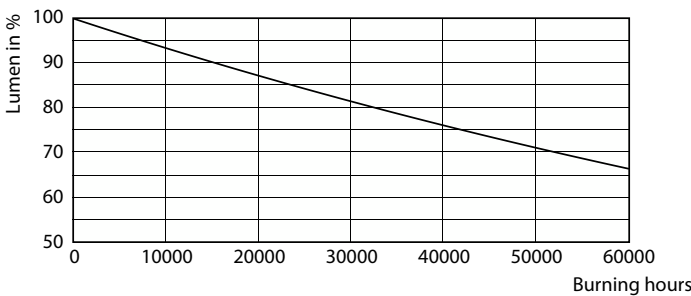


LEDTForce HPI 140W Others E40 840

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram

