![Philips Lighting logo]

TrueForce LED Industrial and Retail (Highbay – MH)

TForce LED HPI UN 95W E40 840 WB

MASTER, LED Highbay, Highbay, EM (ignitor & capacitor should not be removed)/Mains, 95 W, HPI 250W, E40, 4000 K, 13000 lm, CRI 80, 50000 h

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.

Warnings and Safety
· Please refer to the installation guide or consult a Philips Lighting representative for the wiring diagram and instructions.
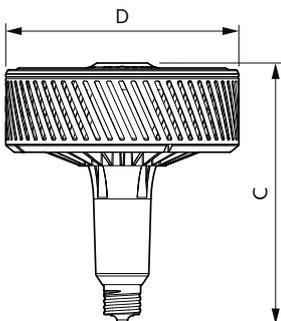
Product data

General Information		Switching Cycle	50,000
Cap base	E40	Lighting Technology	LED Highbay
Nominal lifetime	50,000 h	Flux measurement reference	Wide Cone

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Warranty period	5 years

Light Technical

Colour Code	840 [CCT of 4000K]
Beam angle (nom.)	120 degree(s)
Luminous Flux	13,000 lm
Colour designation	Cool White (CW)
Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	109 lm/W
Colour consistency	<6
Colour rendering index (CRI)	>80
LLMF at end of nominal lifetime (nom.)	70 %
Photobiological safety according to EN 62471	RG1

Operating and Electrical

Line Frequency	50 Hz
Input frequency	50 Hz
Power Consumption	95 W
Lamp current (nom.)	500 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light	1 s
Power Factor (Fraction)	0.9
Voltage (nom.)	220-240 V
Inrush current at mains	10.2
Max. lamp no. on MCB B type 10A — Mains	4
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	2
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	4
Max. lamp no. on MCB B type 16A — Mains	6
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	3
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	8
Wattage Equivalent (LED HID only)	HPI 250W
Ballast Compatibility	EM (ignitor & capacitor should not be removed)/Mains

Temperature

T-Case maximum (nom.)	55 ℃

Controls and Dimming

Dimmable	No

Mechanical and Housing

Lamp Finish	Clear
Bulb material	Plastic
Bulb shape	Highbay
Net Weight (Piece)	1.100 kg

Approval and Application

Energy Efficiency Class	E
Energy-saving product	Yes
Energy consumption kWh/1,000 hours	95 kWh
EPREL Registration Number	1858673
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Ambient temperature range	–20 to +45 ℃

Product Data

Order product name	TForce LED HPI UN 95W E40 840 WB
Full product name	TForce LED HPI UN 95W E40 840 WB
Full EOC	871869975369600
Order code	929002350802
Material no. (12 NC)	929002350802
Numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699753696
Numerator – packs per outer box	3
EAN/UPC – Case	8718699753702

Dimensional drawing

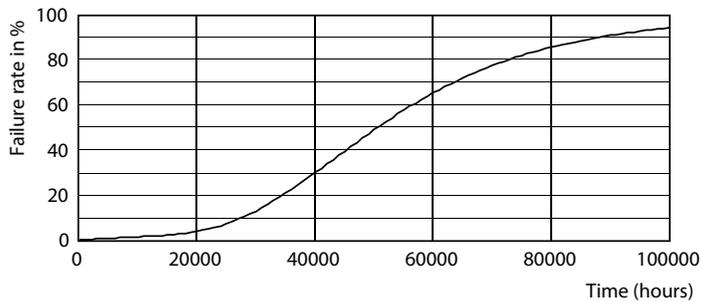| Product	D	C
TForce LED HPI UN 95W E40 840 WB	250 mm	290 mm

Photometric data
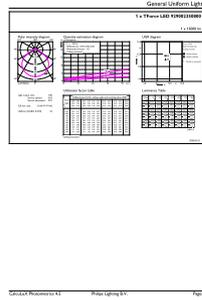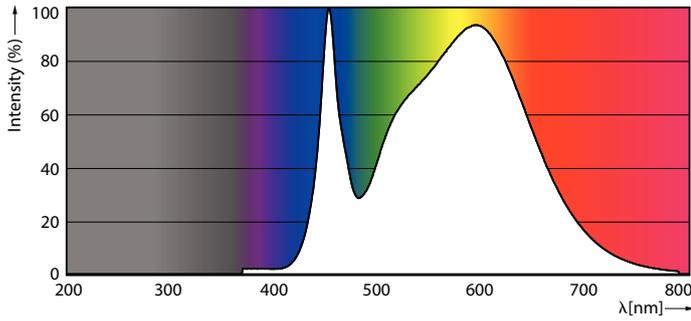
Spectral Power Distribution Colour – TForce LED HPI UN 95W E40 840 WB

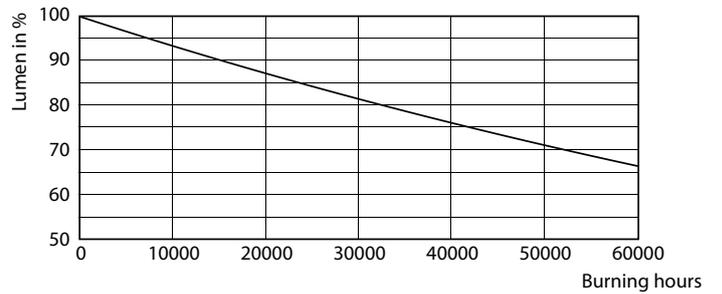**General uniform lighting – TForce LED HPI UN 95W E40 840 WB**
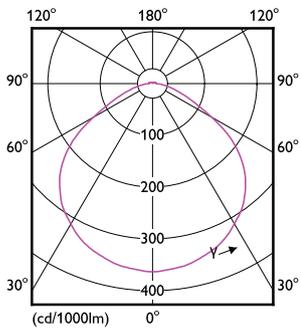
Light Distribution Diagram – TForce LED HPI UN 95W E40 840 WB

Lifetime

Life Expectancy Diagram

Lumen Maintenance Diagram – TForce LED HPI UN 95W E40 840 WB

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