



MASTER - LED HID HPI



TForce LED HPI UN 95W E40 840 NB

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		Color Designation	
Cap-Base	E40	Color Designation	Cool White (CW)
Nominal lifetime	50,000 hour(s)	Correlated Color Temperature (Nom)	4000 K
Switching Cycle	50,000	Luminous Efficacy (rated) (Nom)	88 lm/W
Lighting Technology	LED	Color Consistency	<6
Flux measurement reference	Narrow Cone	Color rendering index (CRI)	80
		LLMF At End Of Nominal Lifetime (Nom)	70 %
		Luminous Flux in 90° Cone (Rated)	8,400 lm
		Photobiological safety according to EN 62471	RG1
Light Technical		Operating and Electrical	
Color Code	840 [CCT of 4000K]	Line Frequency	50 Hz
Beam Angle (Nom)	60 degree(s)		
Luminous Flux	13,000 lm		

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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
Ballast Compatibility	EM (ignitor & capacitor should not be removed)/Mains
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

Temperature

T-Case Maximum (Nom)	55 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Clear
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Bulb Shape	Others
Net Weight (Piece)	1.100 kg

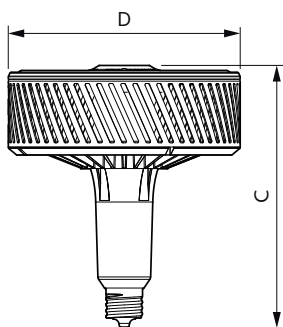
Approval and Application

Energy Efficiency Class	F
Energy Consumption kWh/1000 h	95 kWh
EPREL Registration Number	1858672
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	-20 to +45 °C

Product Data

Order product name	TForce LED HPI UN 95W E40 840 NB
Full product name	TForce LED HPI UN 95W E40 840 NB
Full product code	871869975367200
Order code	929002350702
Material Nr. (12NC)	929002350702
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699753672
Numerator - Packs per outer box	3
EAN/UPC - Case	8718699753689

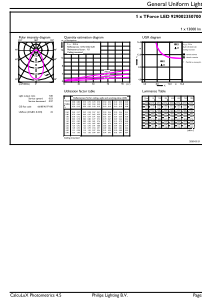
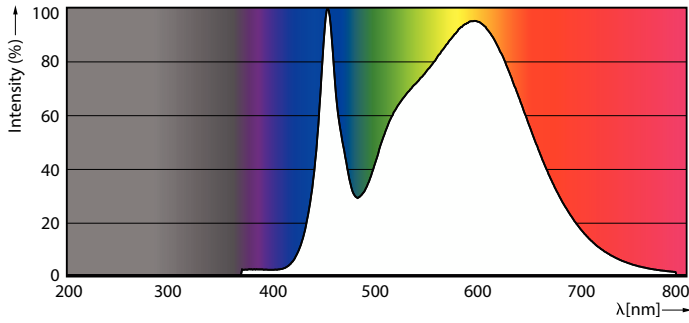
Dimensional drawing



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

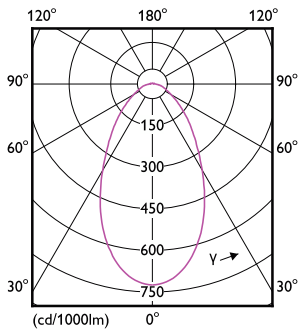
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Photometric data



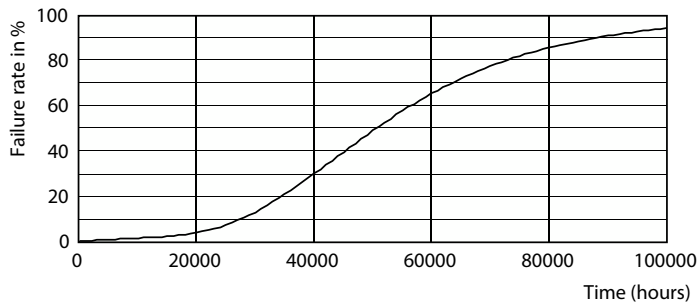
Spectral Power Distribution Colour - TForce LED HPI UN 95W E40 840 NB

General uniform lighting - TForce LED HPI UN 95W E40 840 NB

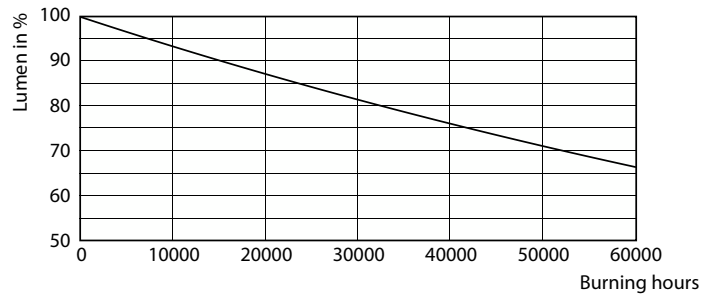


Light Distribution Diagram - TForce LED HPI UN 95W E40 840 NB

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - TForce LED HPI UN 95W E40 840 NB

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