



MASTER - LED HID HPI



TForce LED HPI UN 140W E40 840 NB

Philips MASTER - LED HID HPI Highbay lamps give you a quick and easy payback solution to replace HID alternatives in high-bay applications. MASTER – LED HID HPI solutions give you the LED benefits of energy efficiency and a long lifetime with a retrofit solution. The design of MASTER – LED HID HPI enables the direct retrofit of HID lamps without changing the fixtures or gear. The MASTER – LED HID HPI 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 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

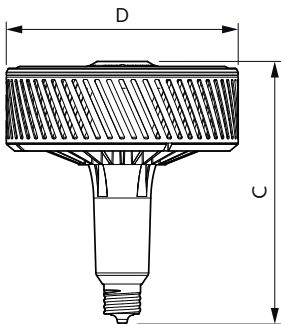
General Information		Luminous Flux	
Cap-Base	E40	Luminous Flux	20,000 lm
Nominal lifetime	50,000 hour(s)	Color Designation	Cool White (CW)
Switching Cycle	50,000	Correlated Color Temperature (Nom)	4000 K
Lighting Technology	LED	Luminous Efficacy (rated) (Nom)	92 lm/W
Flux measurement reference	Narrow Cone	Color Consistency	<6
CE mark	Yes	Color rendering index (CRI)	80
EU RoHS compliant	Yes	LLMF At End Of Nominal Lifetime (Nom)	70 %
		Luminous Flux in 90° Cone (Rated)	13,000 lm
		Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
		Stroboscopic effect visibility measure (SVM)	0.4
Light Technical			
Color Code	840 [CCT of 4000K]		
Beam Angle (Nom)	60 degree(s)		

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Photobiological safety according to EN 62471	RG1
Operating and Electrical	
Line Frequency	50 Hz
Input Frequency	50 Hz
Power Consumption	140 W
Lamp Current (Nom)	740 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	11.4
Max. lamp no. on MCB B type 10A - Mains	3
Max. lamp no. on MCB B type 10A – EM ballast without Comp. Cap.	1
Max. lamp no. on MCB B type 10A – EM ballast with 3 Comp. Cap.	3
Max. lamp no. on MCB B type 16A - Mains	5
Max. lamp no. on MCB B type 16A – EM ballast without Comp. Cap.	2
Max. lamp no. on MCB B type 16A – EM ballast with 5 Comp. Cap.	5
Ballast Compatibility	Universal
Temperature	
Ambient temperature range	-20 to +45 °C
T-Case Maximum (Nom)	63 °C

Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	Others
Approval and Application	
Energy Efficiency Class	F
Energy Consumption kWh/1000 h	140 kWh
EPREL Registration Number	403626
Product Data	
Order product name	TForce LED HPI UN 140W E40 840 NB
Full product name	TForce LED HPI UN 140W E40 840 NB
Full product code	871869975371900
Order code	929002350902
Material Nr. (12NC)	929002350902
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699753719
Numerator - Packs per outer box	3
EAN/UPC - Case	8718699753726

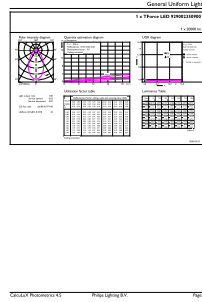
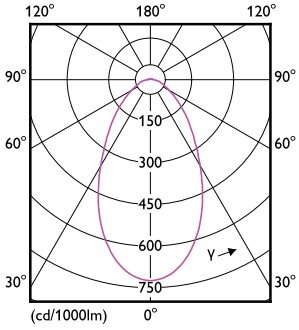
Dimensional drawing



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

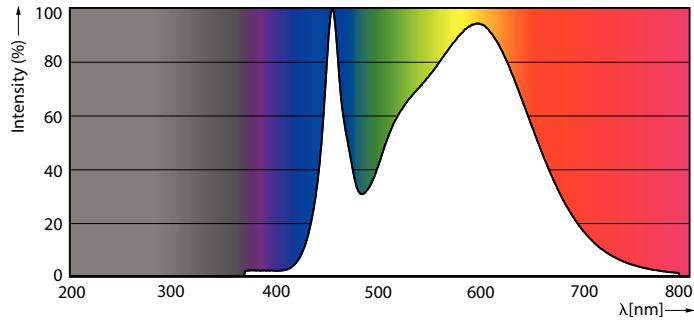
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Photometric data



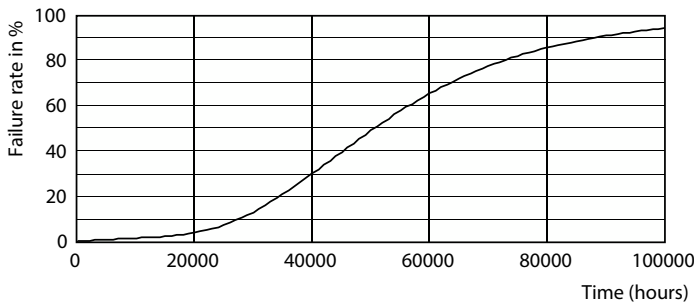
Light Distribution Diagram - TForce LED HPI UN 140W E40 840 NB

General uniform lighting - TForce LED HPI UN 140W E40 840 NB

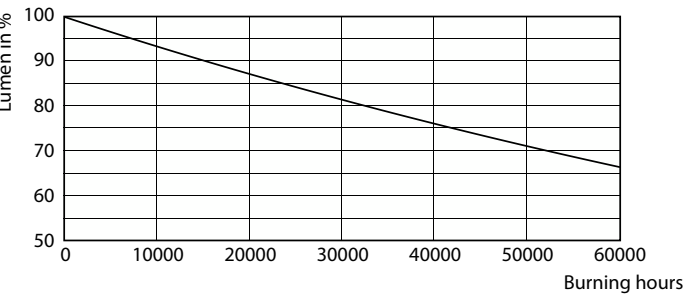


Spectral Power Distribution Colour - TForce LED HPI UN 140W E40 840 NB

Lifetime



Life Expectancy Diagram - TForce LED HPI UN 140W E40 840 NB



Lumen Maintenance Diagram - TForce LED HPI UN 140W E40 840 NB

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