



# MASTER - LED HID HPI

## TForce LED HPI UN 140W E40 840 WB

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			
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)	115 lm/W
Flux measurement reference	Wide Cone	Color Consistency	<6
CE mark	Yes	Color rendering index (CRI)	80
EU RoHS compliant	Yes	LLMF At End Of Nominal Lifetime (Nom)	70 %
		Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
		Stroboscopic effect visibility measure (SVM)	0.4
		Photobiological safety according to EN 62471	RG1

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## 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 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 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
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## Mechanical and Housing

Bulb Finish	Clear
Bulb Shape	Others

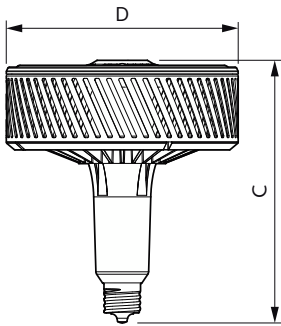
## Approval and Application

Energy Efficiency Class	D
Energy Consumption kWh/1000 h	140 kWh
EPREL Registration Number	403627

## Product Data

Order product name	TForce LED HPI UN 140W E40 840 WB
Full product name	TForce LED HPI UN 140W E40 840 WB
Full product code	871869975373300
Order code	929002351002
Material Nr. (12NC)	929002351002
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699753733
Numerator - Packs per outer box	3
EAN/UPC - Case	8718699753740

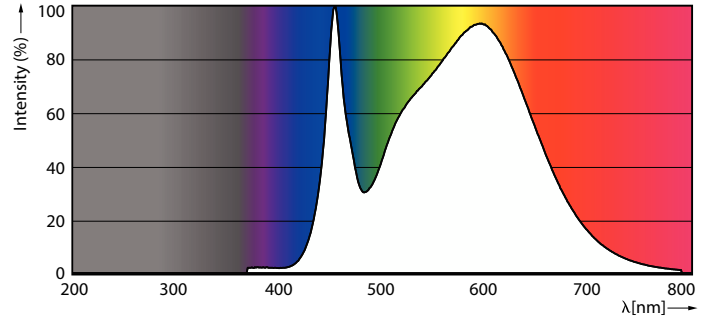
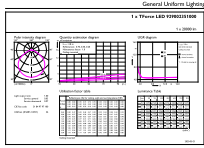
## Dimensional drawing



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

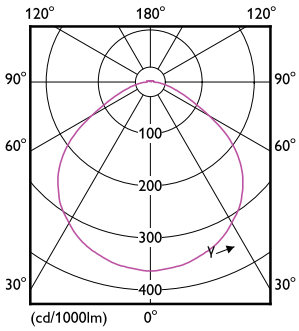
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## Photometric data



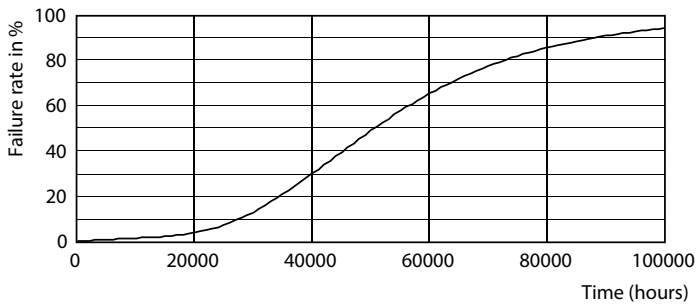
General uniform lighting - TForce LED HPI UN 140W E40 840 WB

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

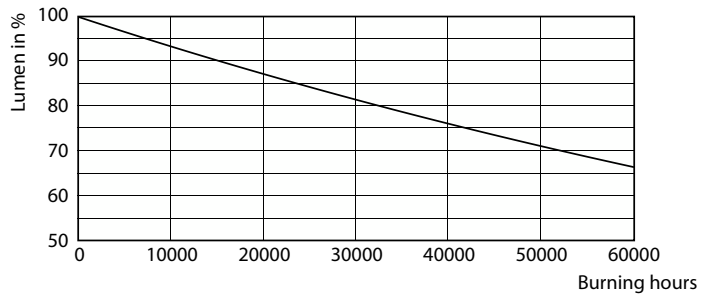


Light Distribution Diagram - TForce LED HPI UN 140W E40 840 WB

## Lifetime



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



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

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