



# MASTER - LED HID HPI

## TForce LED HPI UN 140W E40 840 WB

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	
Cap-Base	E40
Nominal lifetime	50,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Wide Cone
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	120 degree(s)
Luminous Flux	20,000 lm

Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	115 lm/W
Color Consistency	<6
Color 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

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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 Compensation Capacitor.	1
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	3
Max. lamp no. on MCB B type 16A - Mains	5
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	2
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	5
Ballast Compatibility	EM ( ignitor & capacitor should not be removed)/Mains

Temperature

T-Case Maximum (Nom)	63 °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)	1.150 kg

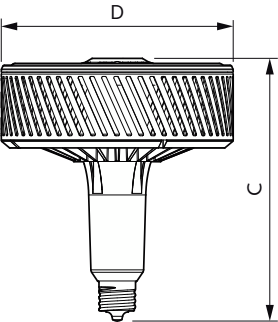
Approval and Application

Energy Efficiency Class	D
Energy Consumption kWh/1000 h	140 kWh
EPREL Registration Number	1858675
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 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

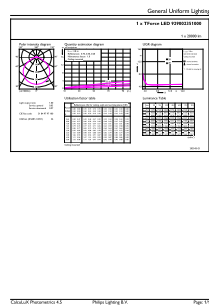
Dimensional drawing



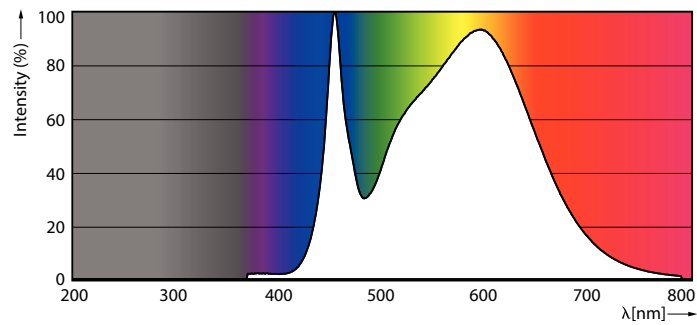
Product	D	C
TForce LED HPI UN 140W E40 840 WB	250 mm	290 mm

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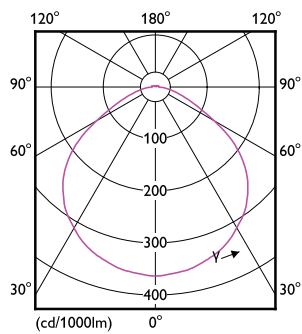
## Photometric data



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

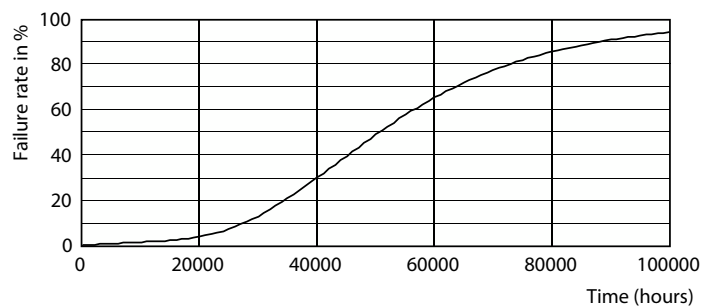


Spectral Power Distribution Colour - TForce LED HPI UN 140W E40 840 WB

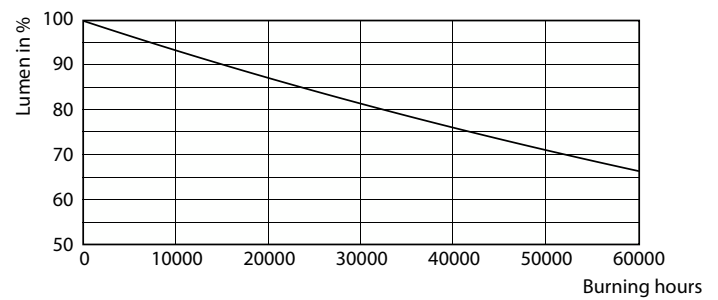


Light Distribution Diagram - TForce LED HPI UN 140W E40 840 WB

## Lifetime



Life Expectancy Diagram



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

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