



TrueForce LED Industrial and retail Mains (Highbay – HPI/SON/HPL)

TForce HB 140W E39 850 WB JP

LED Highbay, Highbay, EM/Mains, 100–242 V, 140 W, HPI
400W, E39, 5000 K, 20000 lm, 50000 hour(s)

Philips MASTER - LED HID HPI EM/Mains Highbay lamps give you a quick and easy payback solution to replace HID alternatives in high-bay applications. MASTER – LED HID HPI EM/Mains solutions give you the LED benefits of energy efficiency and a long lifetime with a retrofit solution. The design of MASTER – LED HID HPI EM/Mains enables the direct retrofit of HID lamps without changing the fixtures or EM ballast (see installation guide for more info). The MASTER – LED HID HPI EM/Mains lamp is compatible with both 250W and 400W EM ballast to maximize the feasibility of such retrofits.

Product data

General Information	
Cap-Base	E39
Nominal lifetime	50,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED Highbay
Warranty period	5 years

Light Technical	
Color Code	850 [CCT of 5000K]
Beam Angle (Nom)	120 degree(s)
Luminous Flux	20,000 lm
Color Designation	Daylight
Correlated Color Temperature (Nom)	5000 K
Luminous Efficacy (rated) (Nom)	142 lm/W
Color Consistency	<6

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Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Photobiological safety according to EN 62471	RG1

Operating and Electrical

Input Frequency	50 to 60 Hz
Power Consumption	140 W
Lamp Current (Nom)	1,500 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	100-242 V
Wattage Equivalent (LED HID only)	HPI 400W
Ballast Compatibility	EM/Mains

Temperature

T-Case Maximum (Nom)	57 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Clear
Bulb Shape	Highbay

Net Weight (Piece)	1.100 kg
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Approval and Application

Energy Saving Product	Yes
Energy Consumption kWh/1000 h	140 kWh
EU RoHS compliant	Yes
Ambient temperature range	-20 to +45 °C

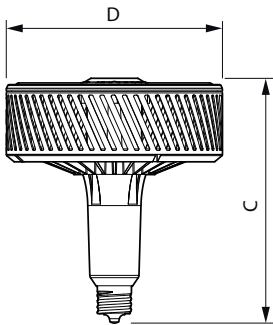
Application Conditions

Wireless Technology	Not applicable
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Product Data

Order product name	TForce HB 140W E39 850 WB JP
Full product name	TForce HB 140W E39 850 WB JP
Full product code	871951428658000
Order code	929002473608
Material Nr. (12NC)	929002473608
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514286580
Numerator - Packs per outer box	4
EAN/UPC - Case	8719514286597

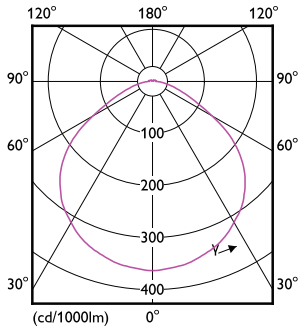
Dimensional drawing



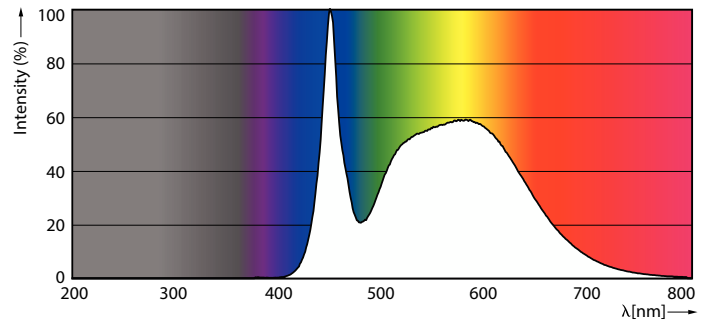
Product	D	C
TForce HB 140W E39 850 WB JP	250 mm	285 mm

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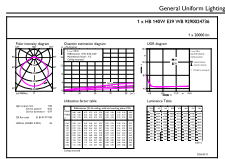
Photometric data



Light Distribution Diagram - TForce HB 140W E39 850 WB JP

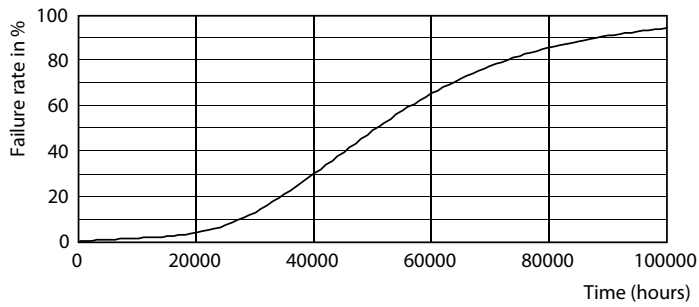


Spectral Power Distribution Colour - TForce HB 140W E39 850 WB JP

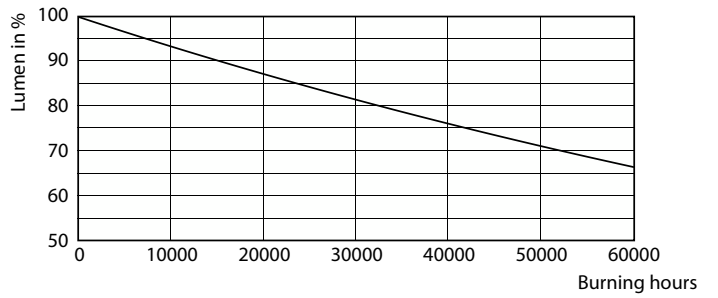


General uniform lighting - TForce HB 140W E39 850 WB JP

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - TForce HB 140W E39 850 WB JP

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