



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

TForce ESS LED HB MV 2.5Klm 25W 865 E27

LED, T-shape T80, Mains only, 220–240 V, 25 W, 45W CFL, 40W HID, E27, 6500 K, 2500 lm, 15000 hour(s)

Philips TrueForce LED Industrial and Retail lamps give you a quick and easy payback solution to replace HID lamps in Highbay application. The solution gives you the LED benefits of energy-efficiency and long-lifetime, plus they come for a low initial investment. With unique lamp design and compatibility, you can directly retrofit HID lamps with TrueForce LED lamps without changing the fixtures or gear. Multiple beam angle options and high colour rendering index enhance the lighting distribution while creating a comfortable, safe and high productivity environment.

Warnings and Safety

• EM version requires an EM ballast to operate. Please refer to the installation guide or consult a Philips Lighting representative.

Product data

General Information		Light Technical	
Cap-Base	E27	Color Code	865 [CCT of 6500K]
Nominal lifetime	15,000 hour(s)	Beam Angle (Nom)	180 degree(s)
Switching Cycle	50,000	Luminous Flux	2,500 lm
Lighting Technology	LED	Color Designation	Cool Daylight
		Correlated Color Temperature (Nom)	6500 K

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Luminous Efficacy (rated) (Nom)	100 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

Input Frequency	50 to 60 Hz
Power Consumption	25 W
Lamp Current (Nom)	185 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.5
Voltage (Nom)	220-240 V
Wattage Equivalent (LED HID only)	45W CFL, 40W HID
Ballast Compatibility	Mains only

Temperature

T-Case Maximum (Nom)	78 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Shape	T-shape T80

Net Weight (Piece)	0.069 kg
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Approval and Application

Energy Saving Product	Yes
Energy Consumption kWh/1000 h	25 kWh
EU RoHS compliant	Yes
Ambient temperature range	-20 to +45 °C

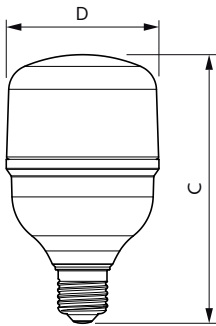
Application Conditions

Wireless Technology	Not applicable
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Product Data

Order product name	TForce ESS LED HB MV 2.5Klm 25W 865 E27
Full product name	TForce ESS LED HB MV 2.5Klm 25W 865 E27
Full product code	872016926010800
Order code	929003712508
Material Nr. (12NC)	929003712508
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169260108
Numerator - Packs per outer box	6
EAN/UPC - Case	8720169260115

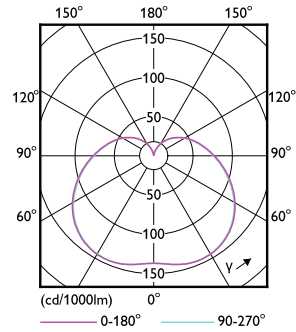
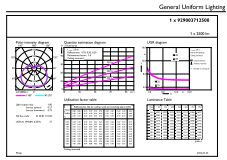
Dimensional drawing



Product	D	C
TForce ESS LED HB MV 2.5Klm 25W 865 E27	82 mm	141 mm

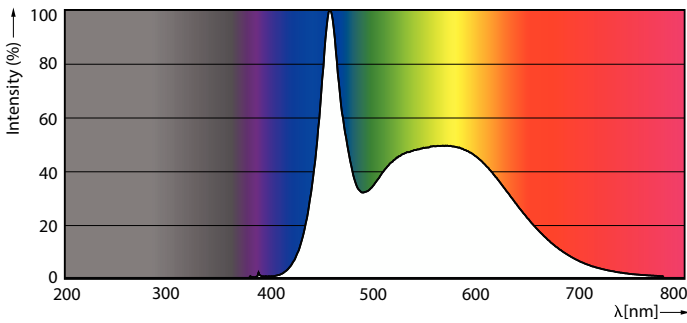
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Photometric data



General uniform lighting - TForce ESS LED HB MV 2.5Klm 25W 865 E27

Light Distribution Diagram - TForce ESS LED HB MV 2.5Klm 25W 865 E27

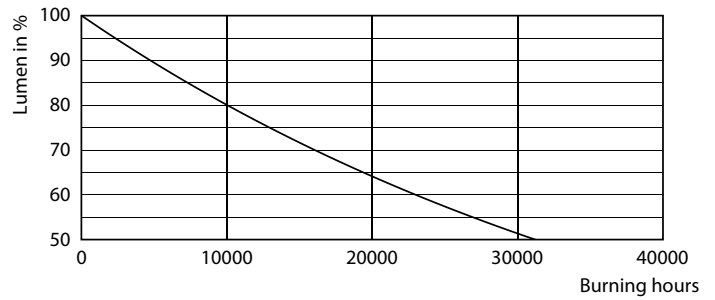


Spectral Power Distribution Colour - TForce ESS LED HB MV 2.5Klm 25W 865 E27

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - TForce ESS LED HB MV 2.5Klm 25W 865 E27

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