



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

## TForce HB 140W E40 865 NB LA

LED Highbay, Highbay, EM/Mains, 140 W, HPI 400W, E40, 6500 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	E40
Nominal lifetime	50,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED Highbay
Warranty period	5 years

Light Technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	60 degree(s)
Luminous Flux	20,000 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	142.00 lm/W
Color Consistency	<6

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Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

### Operating and Electrical

Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	140 W
Lamp Current (Max)	1,450 mA
Lamp Current (Min)	660 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	110–277 V
Wattage Equivalent (LED HID only)	HPI 400W
Ballast Compatibility	EM/Mains

### Temperature

T-Case Maximum (Nom)	60 °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	Highbay
Net Weight (Piece)	1.100 kg

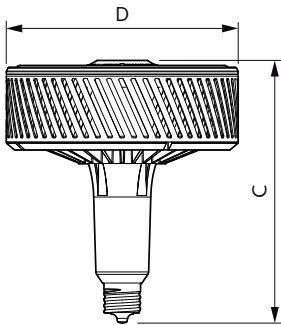
### Approval and Application

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

### Product Data

Order product name	TForce HB 140W E40 865 NB LA
Full product name	TForce HB 140W E40 865 NB LA
Full product code	871869973268400
Order code	929002281812
Material Nr. (12NC)	929002281812
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699732684
Numerator - Packs per outer box	4
EAN/UPC - Case	8718699732691

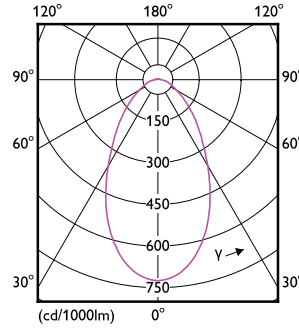
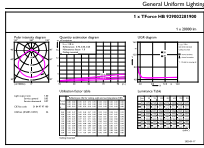
### Dimensional drawing



Product	D	C
TForce HB 140W E40 865 NB LA	250 mm	290 mm

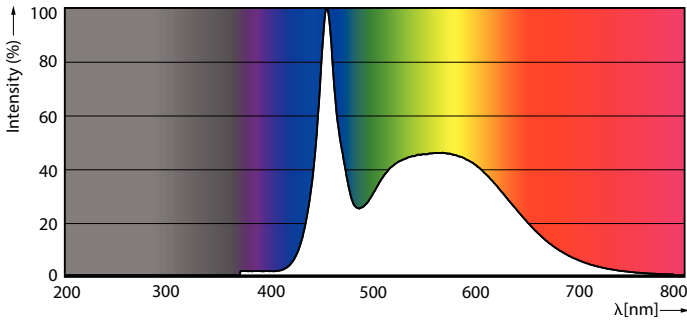
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## Photometric data



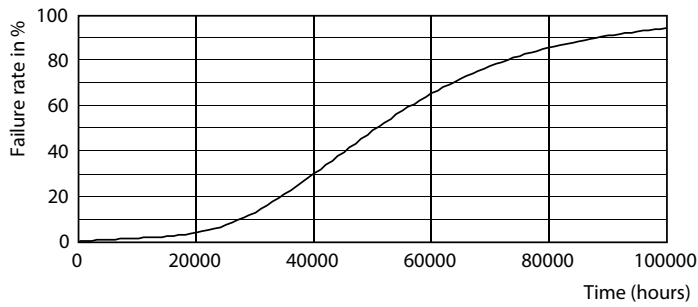
General uniform lighting - TForce HB 140W E40 865 NB LA

Light Distribution Diagram - TForce HB 140W E40 865 NB LA

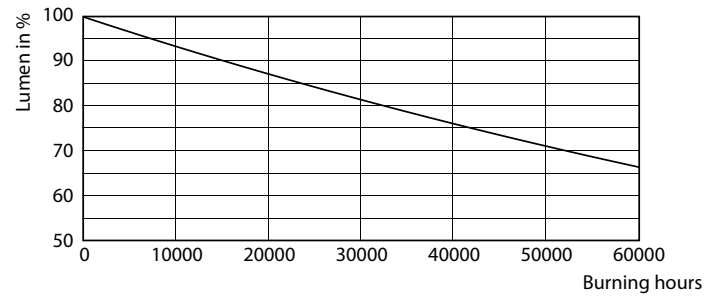


Spectral Power Distribution Colour - TForce HB 140W E40 865 NB LA

## Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - TForce HB 140W E40 865 NB LA

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