



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

TForce HB 140W E40 840 WB GM

Philips TrueForce LED I&R mains lamps offer an easy and short payback LED solution to replace High Intensity Discharge (HID) lamps. The products bring the energy efficiency and long lifetime benefits of LED to HID replacement and provide instant saving and low initial investment. With the right lamp size and light distribution, you can easily retrofit TrueForce LED I&R mains lamps and bypass the existing ballast while enhancing the lighting quality.

Product data

General Information			
Cap-Base	E40 [E40]	Correlated Color Temperature (Nom)	4000 K
Nominal lifetime	50,000 hour(s)	Luminous Efficacy (rated) (Nom)	115 lm/W
Switching Cycle	50,000	Color Consistency	<6
Lighting Technology	LED	Color rendering index (CRI)	80
EU RoHS compliant	Yes	LLMF At End Of Nominal Lifetime (Nom)	70 %
Flux measurement reference	Wide Cone	Operating and Electrical	
Light Technical		Line Frequency	50 to 60 Hz
Color Code	840 [CCT of 4000K]	Input Frequency	50 to 60 Hz
Beam Angle (Nom)	120 degree(s)	Power Consumption	140 W
Luminous Flux	20,000 lumen	Lamp Current (Nom)	1,450 mA
Color Designation	Cool White (CW)	Wattage Equivalent	400 W
		Starting Time (Nom)	0.5 s

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Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	110–277 V

Temperature

Ambient temperature range	–20 °C to 45 °C
T-Case Maximum (Nom)	60 °C

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Clear
Bulb Material	Plastic
Bulb Shape	Others

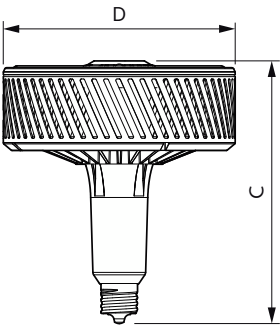
Approval and Application

Energy Efficiency Class	D
Energy Consumption kWh/1000 h	140 kWh
EPREL Registration Number	798290

Product Data

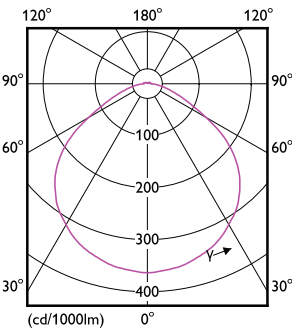
Full product code	871869973272100
Order product name	TForce HB 140W E40 840 WB GM
Order code	929002281708
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	4
Material Nr. (12NC)	929002281708
Full product name	TForce HB 140W E40 840 WB GM
EAN/UPC - Case	8718699732738

Dimensional drawing

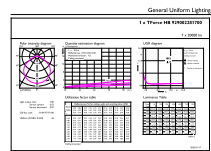


Product	D	C
TForce HB 140W E40 840 WB GM	250 mm	290 mm

Photometric data



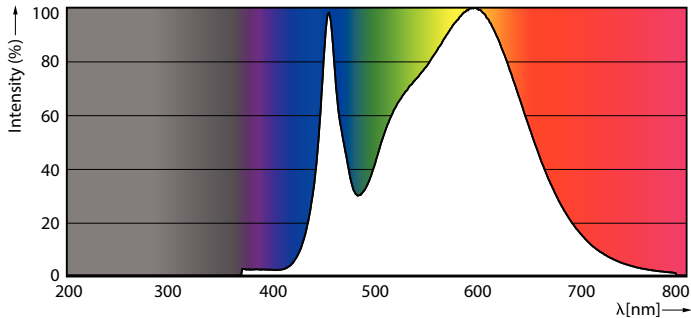
Light Distribution Diagram - TForce HB 140W E40 840 WB GM



General uniform lighting - TForce HB 140W E40 840 WB GM

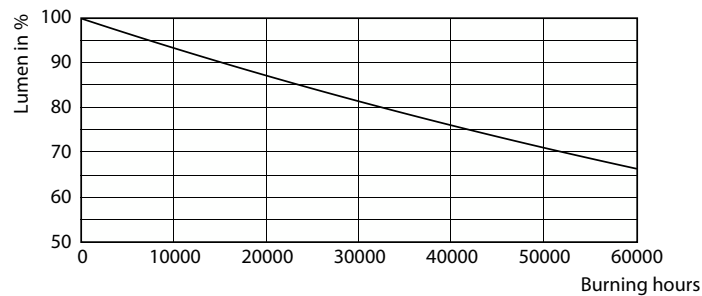
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Photometric data



Spectral Power Distribution Colour - TForce HB 140W E40 840 WB GM

Lifetime



Life Expectancy Diagram - TForce HB 140W E40 840 WB GM

Lumen Maintenance Diagram - TForce HB 140W E40 840 WB GM

