



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

TForce Core HB 200-160W E40 840 WB RCA

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		Operating and Electrical	
Cap-Base	E40 [E40]	Luminous Efficacy (rated) (Nom)	125.00 lm/W
Nominal lifetime	25,000 hour(s)	Color Consistency	<6
Switching Cycle	50,000	Color rendering index (CRI)	80
Lighting Technology	LED	LLMF At End Of Nominal Lifetime (Nom)	70 %
EU RoHS compliant	Yes		
Light Technical		Line Frequency	50 to 60 Hz
Color Code	840 [CCT of 4000K]	Input Frequency	50 to 60 Hz
Beam Angle (Nom)	130 degree(s)	Power Consumption	160 W
Luminous Flux	20,000 lm	Lamp Current (Nom)	1,900 mA
Color Designation	Cool White (CW)	Wattage Equivalent	400 W
Correlated Color Temperature (Nom)	4000 K	Starting Time (Nom)	0.7 s
		Warm-up time to 60% light	0.7 s

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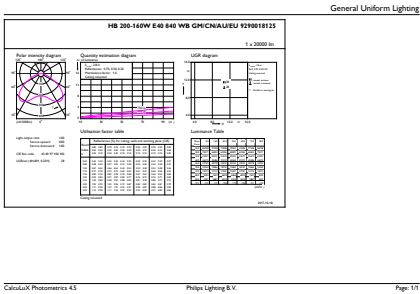
Power Factor (Fraction)	0.9
Voltage (Nom)	110-277 V
Temperature	
T-Case Maximum (Nom)	100 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T50 [T 50mm]
Approval and Application	
Energy Consumption kWh/1000 h	160 kWh

Product Data	
Order product name	TForce Core HB 200-160W E40 840 WB RCA
Full product name	TForce Core HB 200-160W E40 840 WB RCA
Full product code	871869966457200
Order code	929001812538
Material Nr. (12NC)	929001812538
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699664572
Numerator - Packs per outer box	2
EAN/UPC - Case	8718699664589

Dimensional drawing

Product	D	C
TForce Core HB 200-160W E40 840 WB RCA	211 mm	263 mm

Photometric data



General uniform lighting - TForce Core HB 200-160W E40 840 WB RCA

Light Distribution Diagram - TForce Core HB 200-160W E40 840 WB RCA

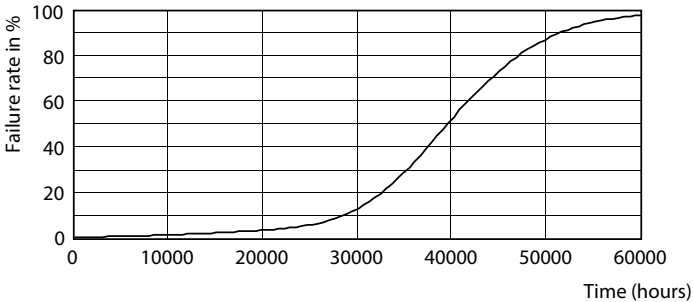
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Photometric data

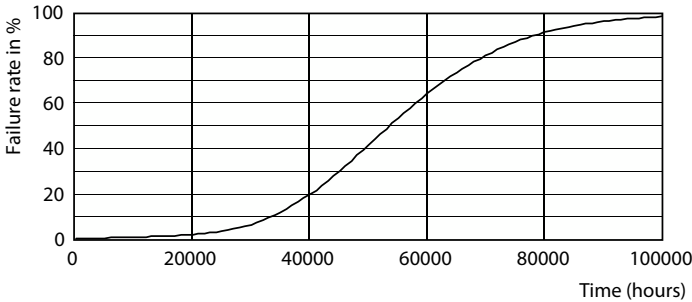


Spectral Power Distribution Colour - TForce Core HB 200-160W E40 840 WB RCA

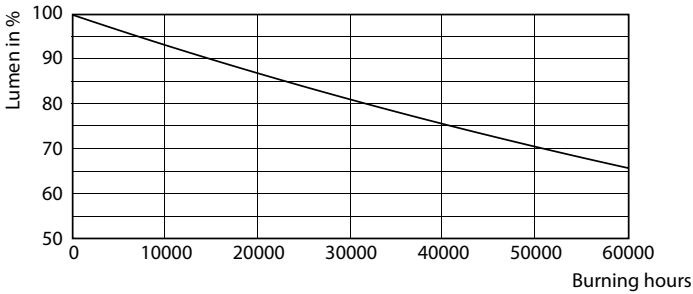
Lifetime



Life Expectancy Diagram - TForce Core HB 200-160W E40 840 WB RCA



Life Expectancy Diagram - TForce Core HB 200-160W E40 840 WB RCA



Lumen Maintenance Diagram - TForce Core HB 200-160W E40 840 WB RCA

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