



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	
Cap-Base	E40 [E40]
Nominal lifetime	25,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	130 degree(s)
Luminous Flux	20,000 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K

Luminous Efficacy (rated) (Nom)	125.00 lm/W
Color Consistency	<6
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	160 W
Lamp Current (Nom)	1,900 mA
Wattage Equivalent	400 W
Starting Time (Nom)	0.7 s
Warm-up time to 60% light	0.7 s

Datasheet, 2023, November 12 data subject to change

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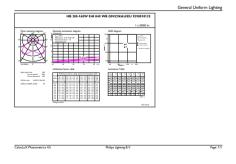
Power Factor (Fraction)	0.9
Voltage (Nom)	110-277 V
Temperature	
T-Case Maximum (Nom)	100 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T50 [T 50mm]
Approval and Application	
Energy Consumption kWh/1000 h	160 kWh

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	С
TForce Core HB 200-160W E40 840 WB RCA	211 mm	263 mm

Photometric data

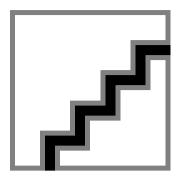


General uniform lighting - TForce Core HB 200-160W E40 840 WB RCA

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

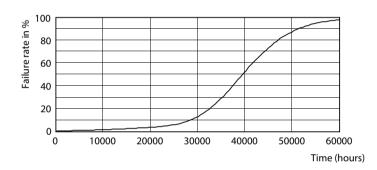
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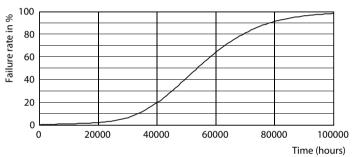
Photometric data



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

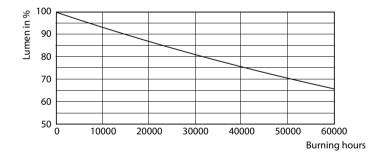
Lifetime





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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