



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

TForce Core HB 50-50W E27 840 RCA

Philips TrueForce Core LED I&R 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 Core LED I&R lamps and bypass the existing ballast while enhancing the lighting quality.

Product data

General Information		Luminous Efficacy (rated) (Nom)	
Cap-Base	E27 [E27]		100.00 lm/W
Nominal lifetime	20,000 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		Operating and Electrical	
Color Code	840 [CCT of 4000K]	Line Frequency	50 to 60 Hz
Beam Angle (Nom)	240 degree(s)	Input Frequency	50 to 60 Hz
Luminous Flux	5,000 lm	Power Consumption	50 W
Color Designation	Cool White (CW)	Lamp Current (Nom)	240 mA
Correlated Color Temperature (Nom)	4000 K	Wattage Equivalent	70 W
		Starting Time (Nom)	0.5 s
		Warm-up time to 60% light	0.5 s

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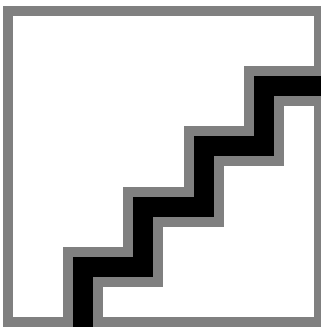
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
Temperature	
T-Case Maximum (Nom)	100 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T-shape
Approval and Application	
Energy Consumption kWh/1000 h	50 kWh

Product Data	
Order product name	TForce Core HB 50-50W E27 840 RCA
Full product name	TForce Core HB 50-50W E27 840 RCA
Full product code	871869966429900
Order code	929001938338
Material Nr. (12NC)	929001938338
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699664299
Numerator - Packs per outer box	6
EAN/UPC - Case	8718699664305

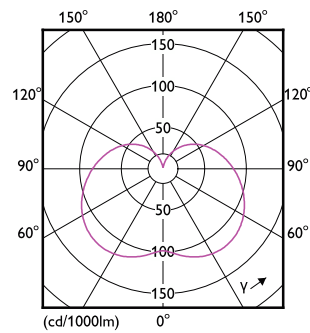
Dimensional drawing

Product	D	C
TForce Core HB 50-50W E27 840 RCA	123 mm	225 mm

Photometric data



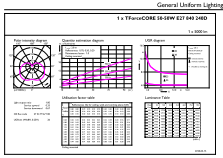
Spectral Power Distribution Colour - TForce Core HB 50-50W E27 840 RCA



Light Distribution Diagram - TForce Core HB 50-50W E27 840 RCA

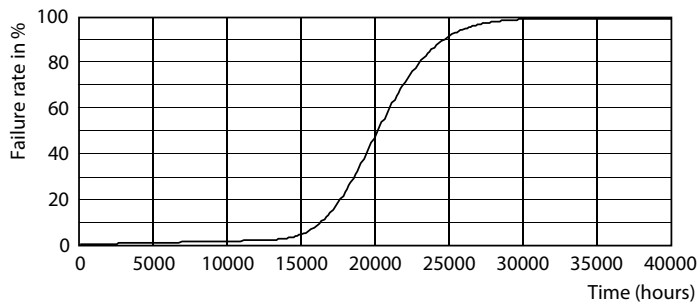
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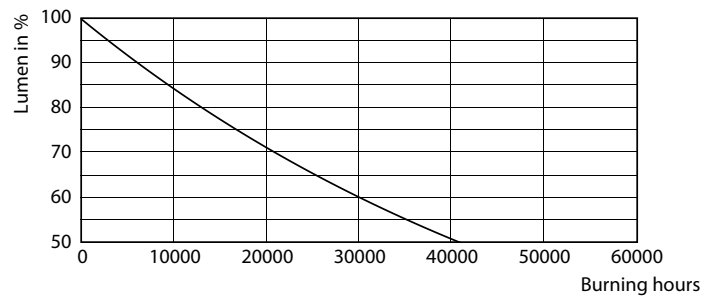


General uniform lighting - TForce Core HB 50-50W E27 840 RCA

Lifetime



Life Expectancy Diagram - TForce Core HB 50-50W E27 840 RCA



Lumen Maintenance Diagram - TForce Core HB 50-50W E27 840 RCA

