



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

TrueForce LED HB MV ND 200-160W E40 840 NB

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

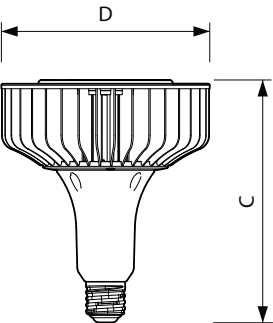
General Information		Operating and Electrical	
Cap-Base	E40 [E40]	Luminous Efficacy (rated) (Nom)	125.00 lm/W
Nominal lifetime	50,000 hour(s)	Color Consistency	<6
Switching Cycle	50,000	Color rendering index (CRI)	80
Lighting Technology	LED	LLMF At End Of Nominal Lifetime (Nom)	70 %
EU RoHS compliant	Yes		
Light Technical			
Color Code	840 [CCT of 4000K]	Line Frequency	50 to 60 Hz
Beam Angle (Nom)	60 degree(s)	Input Frequency	50 to 60 Hz
Luminous Flux	20,000 lm	Power Consumption	160 W
Color Designation	Cool White (CW)	Lamp Current (Nom)	900 mA
Correlated Color Temperature (Nom)	4000 K	Starting Time (Nom)	0.7 s
		Warm-up time to 60% light	0.7 s
		Power Factor (Fraction)	0.9

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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	T50 [T 50mm]
Approval and Application	
Energy Consumption kWh/1000 h	160 kWh

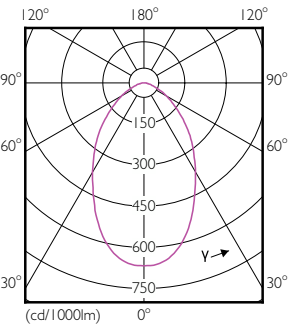
Product Data	
Order product name	TForce LED HB MV ND 200-160W E40 840 NB
Full product name	TrueForce LED HB MV ND 200-160W E40 840 NB
Full product code	871869959670500
Order code	59670500
Material Nr. (12NC)	929001812402
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699596705
Numerator - Packs per outer box	2
EAN/UPC - Case	8718699596712

Dimensional drawing

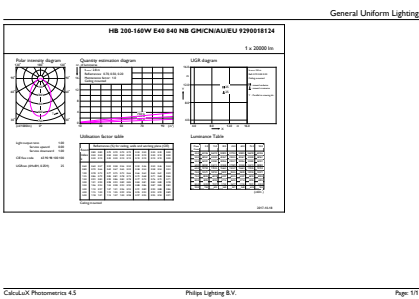


Product	D	C
TForce LED HB MV ND 200-160W E40 840 NB	211 mm	263 mm

Photometric data



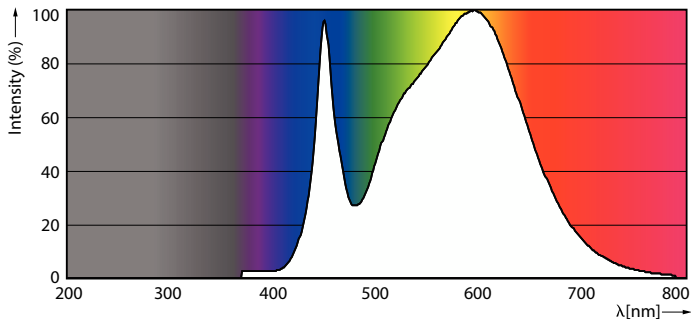
Light Distribution Diagram - TForce LED HB MV ND 200-160W E40 840 NB



General uniform lighting - TForce LED HB MV ND 200-160W E40 840 NB

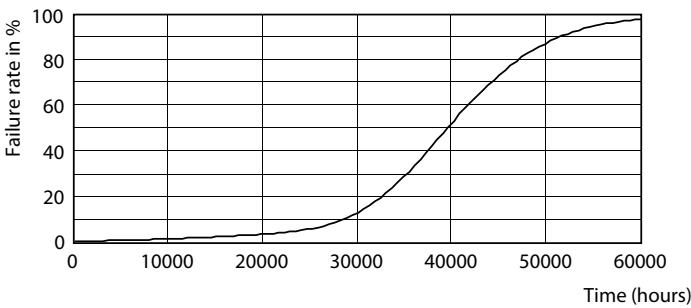
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Photometric data

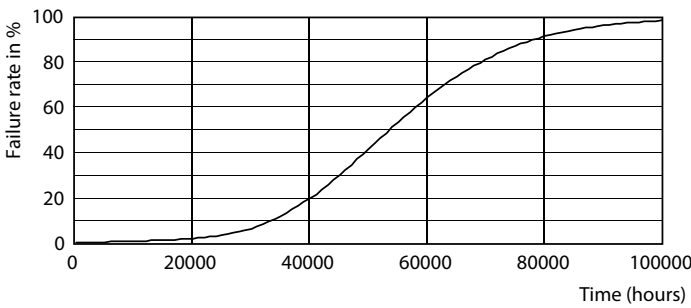


Spectral Power Distribution Colour - TForce LED HB MV ND 200-160W E40 840 NB

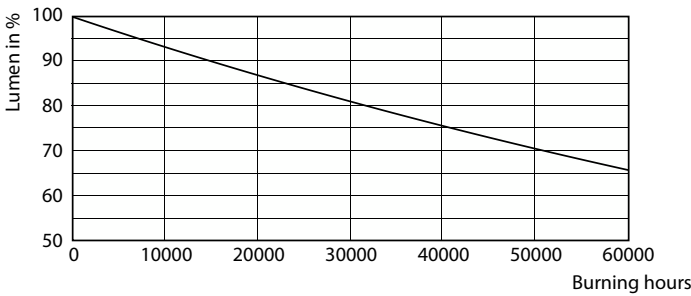
Lifetime



Life Expectancy Diagram - TForce LED HB MV ND 200-160W E40 840 NB



Life Expectancy Diagram - TForce LED HB MV ND 200-160W E40 840 NB



Lumen Maintenance Diagram - TForce LED HB MV ND 200-160W E40 840 NB

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