



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

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

Philips TrueForce LED Industrial & Retail 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 savings 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

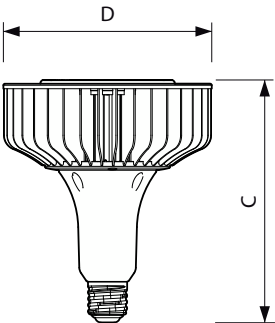
General Information			
Cap base	E40 [E40]	Luminous efficacy (rated) (nom.)	125.00 lm/W
Nominal lifetime	50,000 h	Colour consistency	<6
Switching Cycle	50,000	Colour rendering index (CRI)	80
Lighting Technology	LED	LLMF at end of nominal lifetime (nom.)	70 %
EU RoHS compliant	Yes	Operating and Electrical	
Light Technical		Line Frequency	50 to 60 Hz
Colour Code	840 [CCT of 4000K]	Input frequency	50 to 60 Hz
Beam angle (nom.)	60 degree(s)	Power Consumption	160 W
Luminous Flux	20,000 lm	Lamp current (nom.)	900 mA
Colour designation	Cool White (CW)	Starting time (nom.)	0.7 s
Correlated Colour Temperature	4000 K	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	
Lamp Finish	Frosted
Bulb shape	T50 [T 50 mm]
Approval and Application	
Energy consumption kWh/1,000 hours	160 kWh

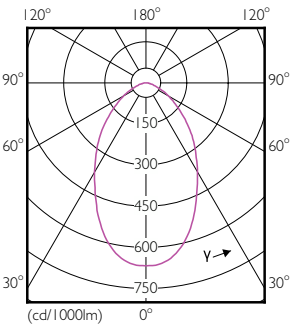
Product Data	
Order product name	TForce LED HB MV ND 200-160W E40 840 NB
Full product name	TrueForce LED HB MV ND 200-160W E40 840 NB
Full EOC	871869959670500
Order code	59670500
Material no. (12 NC)	929001812402
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718699596705
Numerator – packs per outer box	2
EAN/UPC – Case	8718699596712

Dimensional drawing

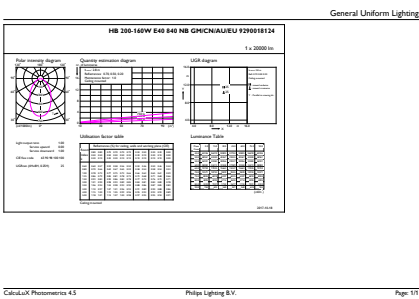


Product	D	C
TForce LED HB MV ND 200-160W E40 840 NB	211 mm	263 mm

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

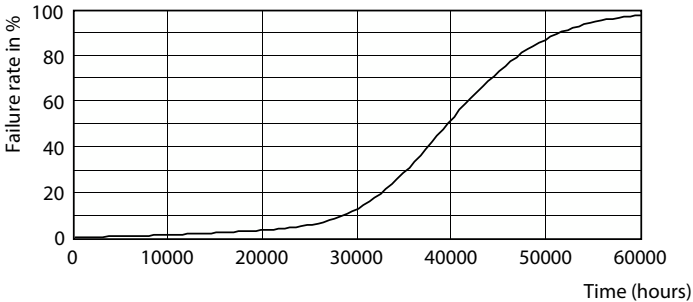
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Photometric data

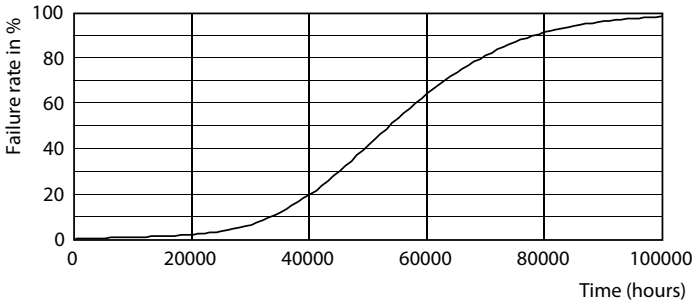


Spectral Power Distribution Colour - TForce LED HB MV ND 200-160W E40 840 NB

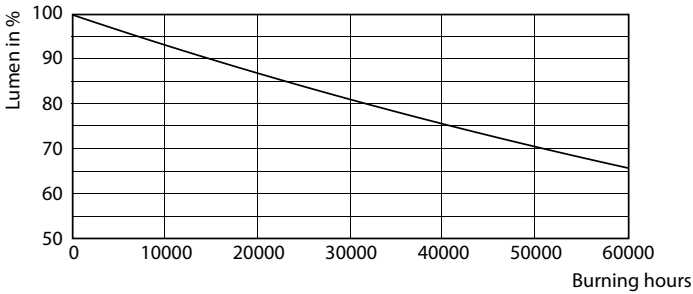
Lifetime



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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