



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

TrueForce LED HB MV ND 120-100W 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

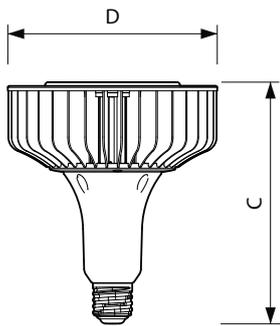
General Information		Luminous Efficacy (rated) (Nom)	
Cap-Base	E40 [E40]		120.00 lm/W
Nominal lifetime	50,000 hour(s)	Color Consistency	<6
Switching Cycle	50,000	Color rendering index (CRI)	80
Lighting Technology	LED	LLMF At End Of Nominal Lifetime (Nom)	70 %
EU RoHS compliant	Yes	Operating and Electrical	
Light Technical		Line Frequency	50 to 60 Hz
Color Code	840 [CCT of 4000K]	Input Frequency	50 to 60 Hz
Beam Angle (Nom)	60 degree(s)	Power Consumption	100 W
Luminous Flux	12,000 lm	Lamp Current (Nom)	520 mA
Color Designation	Cool White (CW)	Starting Time (Nom)	0.5 s
Correlated Color Temperature (Nom)	4000 K	Warm-up time to 60% light	0.5 s
		Power Factor (Fraction)	0.9

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Voltage (Nom)	220-240 V
Temperature	
T-Case Maximum (Nom)	70 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Shape	Others
Approval and Application	
Energy Consumption kWh/1000 h	100 kWh

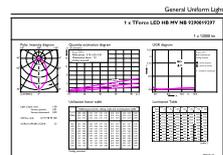
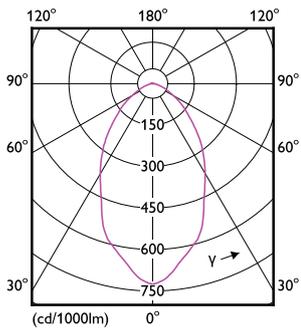
Product Data	
Order product name	TForce LED HB MV ND 120-100W E40 840 NB
Full product name	TrueForce LED HB MV ND 120-100W E40 840 NB
Full product code	871869959676700
Order code	59676700
Material Nr. (12NC)	929001929702
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699596767
Numerator - Packs per outer box	2
EAN/UPC - Case	8718699596774

Dimensional drawing



Product	D	C
TForce LED HB MV ND 120-100W E40 840 NB	211 mm	252 mm

Photometric data

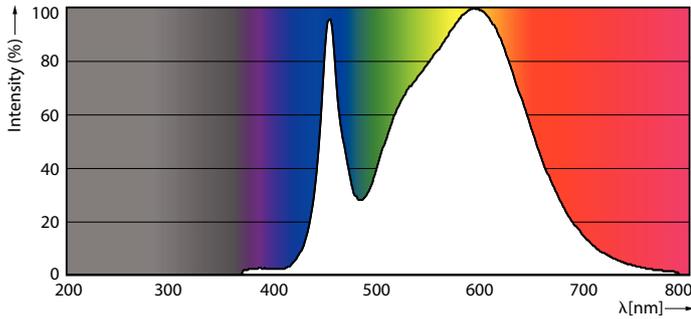


Light Distribution Diagram - TForce LED HB MV ND 120-100W E40 840 NB

General uniform lighting - TForce LED HB MV ND 120-100W E40 840 NB

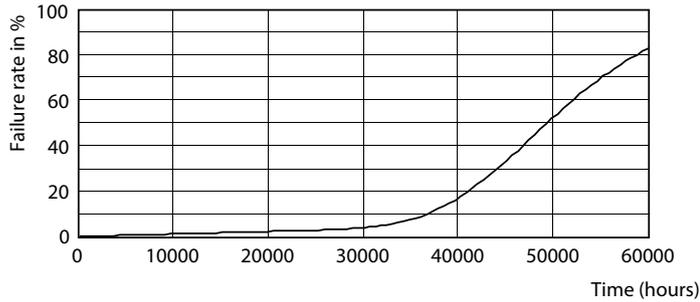
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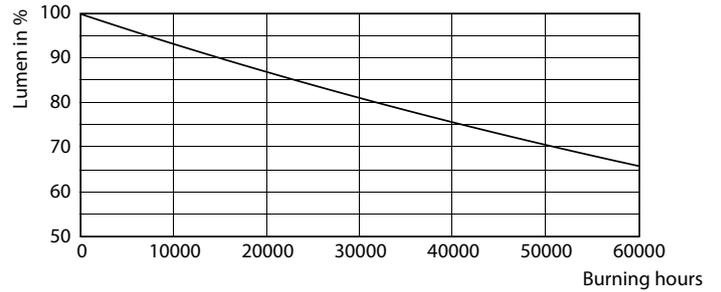


Spectral Power Distribution Colour - TForce LED HB MV ND 120-100W E40 840 NB

Lifetime



Life Expectancy Diagram - TForce LED HB MV ND 120-100W E40 840 NB



Lumen Maintenance Diagram - TForce LED HB MV ND 120-100W E40 840 NB

