PHILIPS Lighting



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

TrueForce LED HB MV ND 120-100W E40 840 WB

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]
Nominal lifetime	50,000 h
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Colour Code	840 [CCT of 4000K]
Beam angle (nom.)	120 degree(s)
Luminous Flux	12,000 lm
Colour designation	Cool White (CW)
Correlated Colour Temperature	4000 K

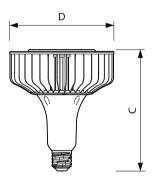
Luminous efficacy (rated) (nom.)	120.00 lm/W	
Colour consistency	<6	
Colour rendering index (CRI)	80	
LLMF at end of nominal lifetime (nom.) 70 %		
Operating and Electrical		
Line Frequency	50 to 60 Hz	
Input frequency	50 to 60 Hz	
Power Consumption	100 W	
Lamp current (nom.)	520 mA	
Starting time (nom.)	0.5 s	
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/1,000 hours	100 kWh

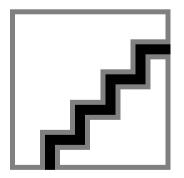
Product Data	
Order product name	TForce LED HB MV ND 120-100W E40 840 WB
Full product name	TrueForce LED HB MV ND 120-100W E40 840
	WB
Full EOC	871869959678100
Order code	59678100
Material no. (12 NC)	929001929802
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699596781
Numerator – packs per outer box	2
EAN/UPC - Case	8718699596798

Dimensional drawing

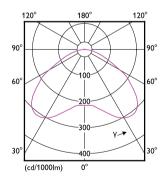


Product D C TForce LED HB MV ND 120-100W E40 840 WB 211 mm 252 mm

Photometric data



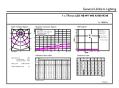
Spectral Power Distribution Colour - TForce LED HB MV ND 120-100W E40 840 WB



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

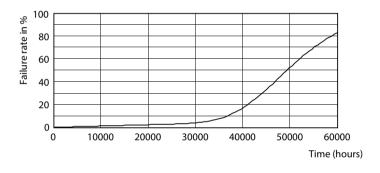
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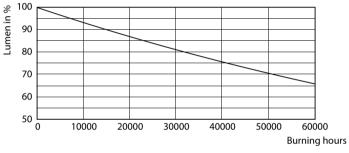


General uniform lighting - TForce LED HB MV ND 120-100W E40 840 WB

Lifetime



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



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



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