



# 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

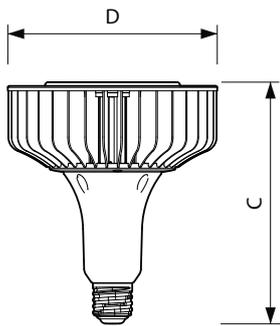
General Information		Luminous efficacy (rated) (nom.)	
Cap base	E40 [E40]		120.00 lm/W
Nominal lifetime	50,000 h	Colour consistency	<6
Switching Cycle	50,000	Colour rendering index (CRI)	80
Lighting Technology	LED	LLMF at end of nominal lifetime (nom.)	70 %
EU RoHS compliant	Yes	Operating and Electrical	
Light Technical		Line Frequency	50 to 60 Hz
Colour Code	840 [CCT of 4000K]	Input frequency	50 to 60 Hz
Beam angle (nom.)	120 degree(s)	Power Consumption	100 W
Luminous Flux	12,000 lm	Lamp current (nom.)	520 mA
Colour designation	Cool White (CW)	Starting time (nom.)	0.5 s
Correlated Colour Temperature	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
<b>Temperature</b>	
T-Case maximum (nom.)	70 °C
<b>Controls and Dimming</b>	
Dimmable	No
<b>Mechanical and Housing</b>	
Bulb shape	Others
<b>Approval and Application</b>	
Energy consumption kWh/1,000 hours	100 kWh

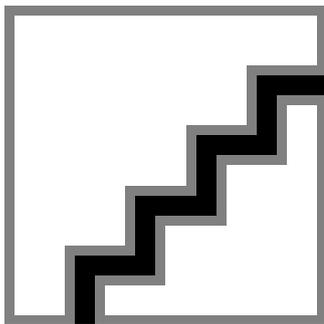
<b>Product Data</b>	
Order product name	TForce LED HB MV ND 120-100W E40 840 WB
Full product name	TrueForce LED HB MV ND 120-100W E40 840 WB
Full EOC	871869959678100
Order code	59678100
Material no. (12 NC)	929001929802
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718699596781
Numerator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

## Dimensional drawing

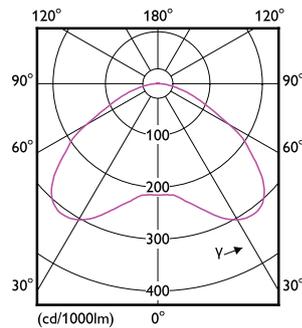


Product	D	C
TForce LED HB MV ND 120-100W E40 840 WB	211 mm	252 mm

## Photometric data



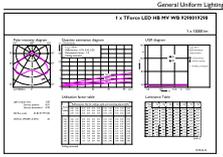
Spectral Power Distribution Colour - TForce LED HB MV ND 120-100W E40 840 WB



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

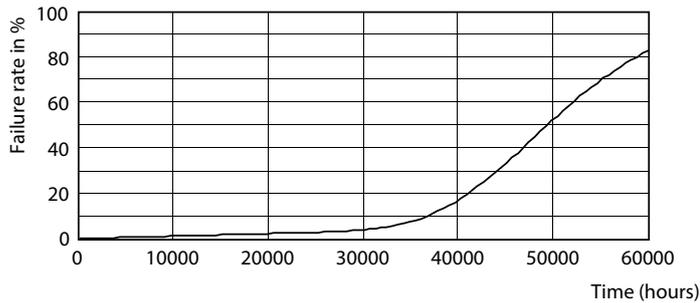
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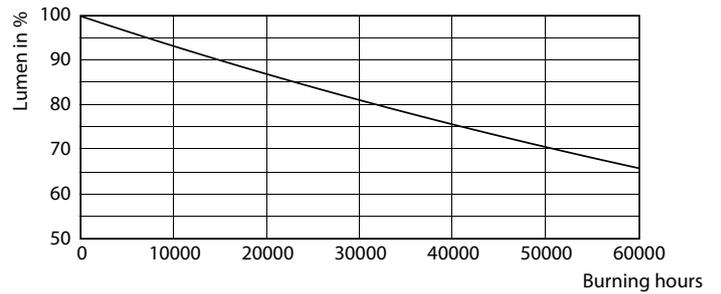


General uniform lighting - TForce LED HB MV ND 120-100W E40 840 WB

## 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

