



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

# **TForce LED HB MV ND 120-100W E40 840 WB**

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	
Cap-Base	E40 [E40]
Nominal lifetime	50,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	120 degree(s)
Luminous Flux	12,000 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K

Luminous Efficacy (rated) (Nom)	120.00 lm/W
Color Consistency	<6
Color 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

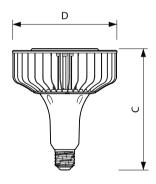
Datasheet, 2023, November 22 data subject to change

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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		
T-Case Maximum (Nom)  70 °C  Controls and Dimming  Dimmable  No  Mechanical and Housing  Bulb Shape  Others  Approval and Application	Voltage (Nom)	220-240 V
T-Case Maximum (Nom)  70 °C  Controls and Dimming  Dimmable  No  Mechanical and Housing  Bulb Shape  Others  Approval and Application		
Controls and Dimming Dimmable No  Mechanical and Housing Bulb Shape Others  Approval and Application	Temperature	
Dimmable No  Mechanical and Housing  Bulb Shape Others  Approval and Application	T-Case Maximum (Nom)	70 ℃
Dimmable No  Mechanical and Housing  Bulb Shape Others  Approval and Application		
Mechanical and Housing Bulb Shape Others  Approval and Application	Controls and Dimming	
Bulb Shape Others  Approval and Application	Dimmable	No
Bulb Shape Others  Approval and Application		
Approval and Application	Mechanical and Housing	
- 11	Bulb Shape	Others
- 11		
Energy Consumption kWh/1000 h 100 kWh	Approval and Application	
	Energy Consumption kWh/1000 h	100 kWh

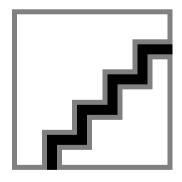
Product Data		
Order product name	TForce LED HB MV ND 120-100W E40 840 WB	
Full product name	TForce LED HB MV ND 120-100W E40 840 WB	
Full product code	871869959678100	
Order code	929001929802	
Material Nr. (12NC)	929001929802	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718699596781	
Numerator - Packs per outer box	2	
EAN/UPC - Case	8718699596798	

# Dimensional drawing



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

# Photometric data

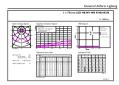


Spectral Power Distribution Colour - TForce LED HB MV ND 120-100W E40 840 WB

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

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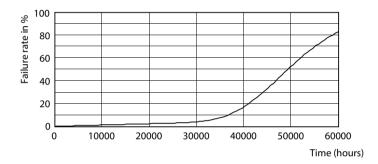
#### Photometric data



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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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