



# MASTER - LED HID SON-T

## TForce LED Road 120-68W E40 740

Philips LED Road lamps are an easy LED solution with a short payback period to replace High Intensity Discharge (HID) and High Pressure Sodium (SON) lamps. TrueForce LED solutions bring the energy efficiency and long lifetime benefits of LED to HID replacement, providing instant savings for a low initial investment. With the right lamp size and light distribution, you can easily retrofit TrueForce LED road lamps into existing SON and SON-T systems, enhancing the lighting quality with LED without changing the luminaire's ballast or reflector.

### Warnings and Safety

- Installation should always be performed by a qualified electrician or installer. Use the installation guide for instructions.

### Product data

General Information	
Cap-Base	E40 [E40]
Nominal lifetime	50,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
Light Technical	
Color Code	740 [CCT of 4000K]
Luminous Flux	12,000 lumen
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	176.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	70

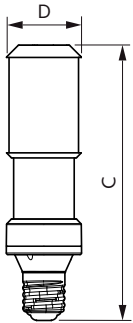
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Line Frequency	50 Hz
Input Frequency	50 Hz
Power Consumption	68 W
Lamp Current (Nom)	1,650 mA
Wattage Equivalent	100 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	80-90 V

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Temperature	
T-Case Maximum (Nom)	103 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	Others
Approval and Application	
Energy Consumption kWh/1000 h	68 kWh
EPREL Registration Number	465,206
CE mark	Yes

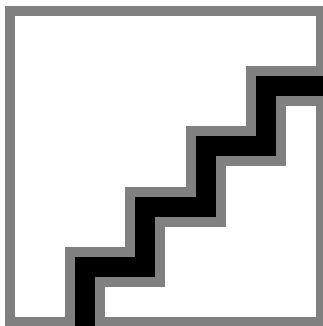
EU RoHS compliant	Yes
Product Data	
Full product code	871869963910500
Order product name	TForce LED Road 120-68W E40 740
Order code	929002007702
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material number (12NC)	929002007702
Full product name	TForce LED Road 120-68W E40 740
EAN/UPC - Case	8718699639112

## Dimensional drawing

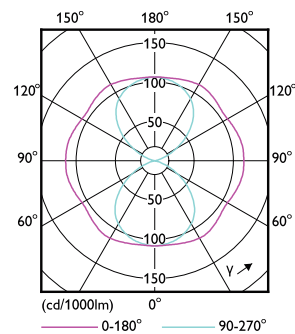


Product	D	C
TForce LED Road 120-68W E40 740	71 mm	262 mm

## Photometric data



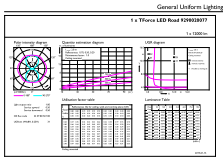
Spectral Power Distribution Colour - TForce LED Road 120-68W E40 740



Light Distribution Diagram - TForce LED Road 120-68W E40 740

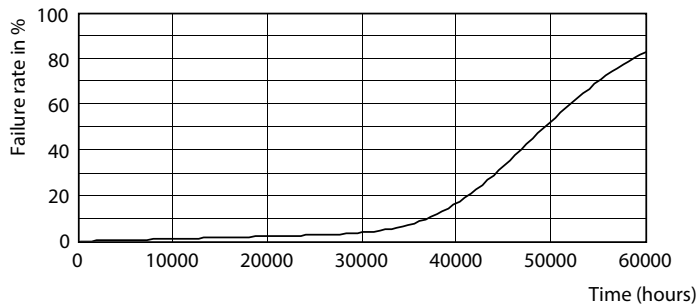
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## Photometric data

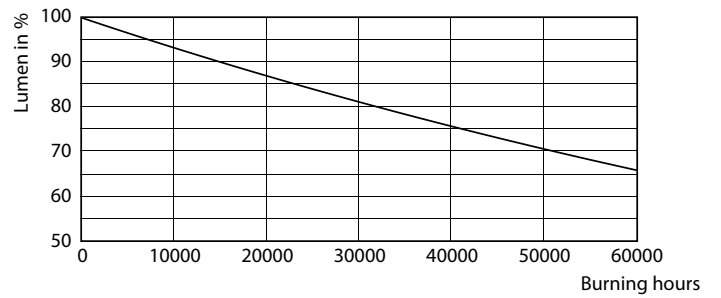


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## Lifetime



Life Expectancy Diagram - TForce LED Road 120-68W E40 740



Lumen Maintenance Diagram - TForce LED Road 120-68W E40 740

