



TrueForce LED Public (Road – SON)



TrueForce LED Road 120-68W E40 740

Philips MASTER – LED HID SON-T lamps are an easy LED solution with a short payback period to replace High-Intensity Discharge (HID) and High-Pressure Sodium (SON) lamps. MASTER – LED HID SON-T 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 MASTER – LED HID SON-T lamps into existing SON and SON-T systems, enhancing the lighting quality with LED without changing the luminaire's ballast (for IF replacements) or reflector.

Warnings and Safety

- Please refer to the installation guide or consult a Philips Lighting representative for the wiring diagram and instructions.

Product data

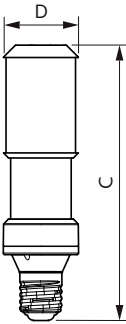
General Information		Operating and Electrical	
Cap base	E40 [E40]	Luminous efficacy (rated) (nom.)	176.00 lm/W
Nominal lifetime	50,000 h	Colour consistency	<6
Switching Cycle	50,000	Colour rendering index (CRI)	70
Lighting Technology	LED	LLMF at end of nominal lifetime (nom.)	70 %
Flux measurement reference	Sphere	Line Frequency	50 Hz
CE mark	Yes	Input frequency	50 Hz
EU RoHS compliant	Yes	Power Consumption	68 W
Light Technical		Lamp current (nom.)	1,650 mA
Colour Code	740 [CCT of 4000K]	Starting time (nom.)	0.5 s
Luminous Flux	12,000 lm	Warm-up time to 60% light	0.5 s
Colour designation	Cool White (CW)	Power Factor (Fraction)	0.9
Correlated Colour Temperature	4000 K		

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Voltage (nom.)	80-90 V
Temperature	
T-Case maximum (nom.)	103 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Clear
Bulb shape	Others
Approval and Application	
Energy Efficiency Class	C
Energy consumption kWh/1,000 hours	68 kWh

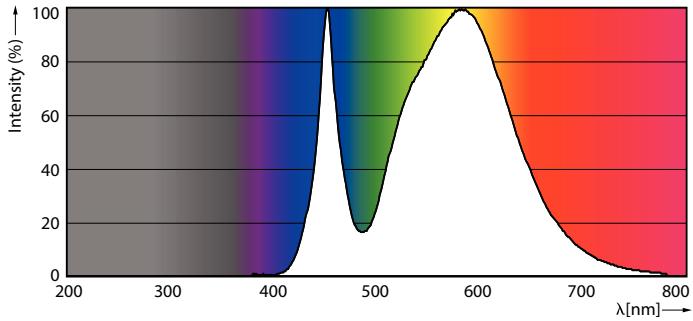
EPREL registration number	465206
Product Data	
Order product name	TForce LED Road 120-68W E40 740
Full product name	TrueForce LED Road 120-68W E40 740
Full EOC	871869963910500
Order code	63910500
Material no. (12 NC)	929002007702
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718699639105
Numerator – packs per outer box	6
EAN/UPC - Case	8718699639112

Dimensional drawing

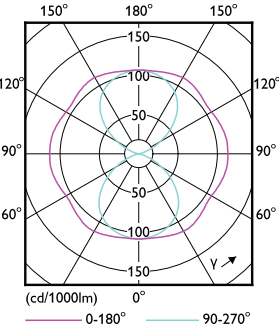


Product	D	C
TForce LED Road 120-68W E40 740	71 mm	262 mm

Photometric data



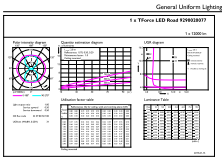
Spectral Power Distribution Colour - TForce LED Road 120-68W E40 740



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

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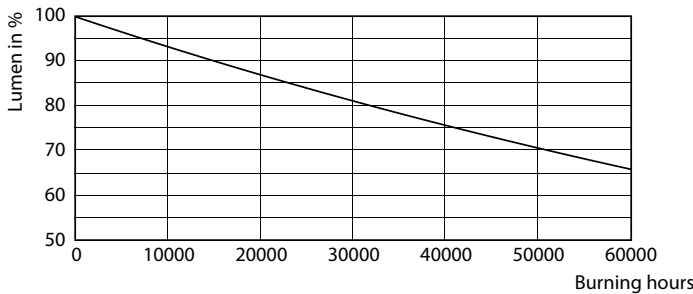
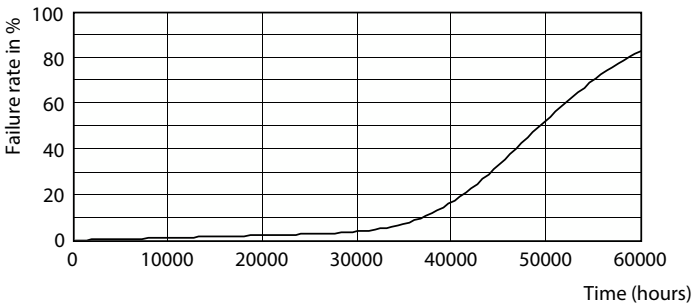
Photometric data



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Accent Lighting Spots - TForce LED Road 120-68W E40 740

Lifetime



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

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

