



MASTER - LED HID SON-T



TForce LED Road 120-68W E40 740

MASTER, LED SON-T, Others, EM/Mains, 68 W, 100, E40, 4000 K, 12000 lm, CRI 70, 50000 hour(s)

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	Luminous Flux	12,000 lm
Nominal lifetime	50,000 hour(s)	Color Designation	Cool White (CW)
Switching Cycle	50,000	Correlated Color Temperature (Nom)	4000 K
Lighting Technology	LED SON-T	Luminous Efficacy (rated) (Nom)	176.00 lm/W
Flux measurement reference	Sphere	Color Consistency	<6
Warranty period	8 years	Color rendering index (CRI)	70
		LLMF At End Of Nominal Lifetime (Nom)	70 %
Light Technical			
Color Code	740 [CCT of 4000K]	Line Frequency	50 Hz

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Input Frequency	50 Hz
Power Consumption	68 W
Lamp Current (Nom)	1,650 mA
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
Wattage Equivalent (LED HID only)	100
Ballast Compatibility	EM/Mains

Temperature

T-Case Maximum (Nom)	103 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Clear
Bulb Shape	Others
Net Weight (Piece)	0.432 kg

Approval and Application

Energy Efficiency Class	C
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Energy Saving Product	Yes
Energy Consumption kWh/1000 h	68 kWh
EPREL Registration Number	465206
CE mark	Yes
EU RoHS compliant	Yes

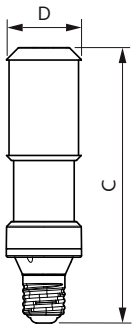
Application Conditions

Wireless Technology	Not applicable
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Product Data

Order product name	TForce LED Road 120-68W E40 740
Full product name	TForce LED Road 120-68W E40 740
Full product code	871869963910500
Order code	929002007702
Material Nr. (12NC)	929002007702
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699639105
Numerator - Packs per outer box	6
EAN/UPC - Case	8718699639112

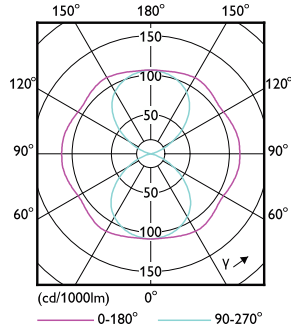
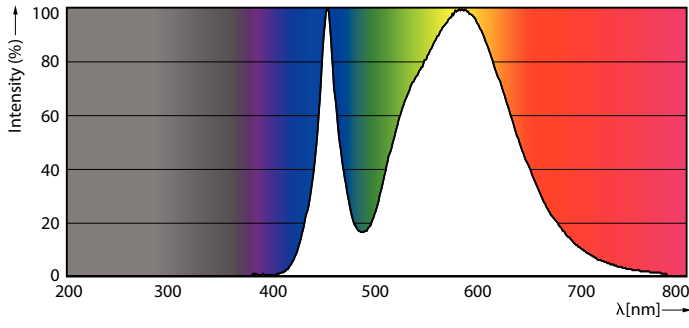
Dimensional drawing



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

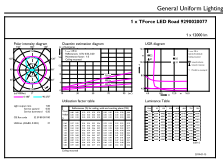
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Photometric data



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

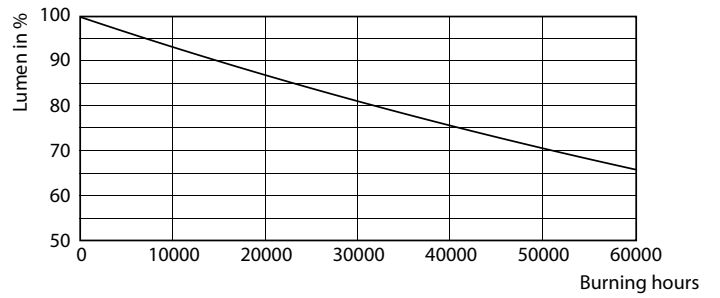
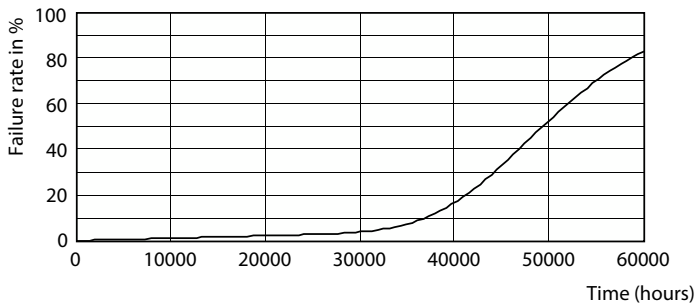
Light Distribution Diagram - TForce LED Road 120-68W E40 740



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

Lifetime



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

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