



# MASTER - LED HID SON-T

## TForce 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

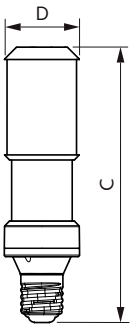
General Information		Luminous Efficacy (rated) (Nom)	
Cap-Base	E40 [E40]		176.00 lm/W
Nominal lifetime	50,000 hour(s)	Color Consistency	<6
Switching Cycle	50,000	Color rendering index (CRI)	70
Lighting Technology	LED	LLMF At End Of Nominal Lifetime (Nom)	70 %
Flux measurement reference	Sphere	Operating and Electrical	
CE mark	Yes	Line Frequency	50 Hz
EU RoHS compliant	Yes	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
Light Technical			
Color Code	740 [CCT of 4000K]		
Luminous Flux	12,000 lumen		
Color Designation	Cool White (CW)		
Correlated Color Temperature (Nom)	4000 K		

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Voltage (Nom)	80-90 V
<b>Temperature</b>	
T-Case Maximum (Nom)	103 °C
<b>Controls and Dimming</b>	
Dimmable	No
<b>Mechanical and Housing</b>	
Bulb Finish	Clear
Bulb Shape	Others
<b>Approval and Application</b>	
Energy Efficiency Class	C
Energy Consumption kWh/1000 h	68 kWh

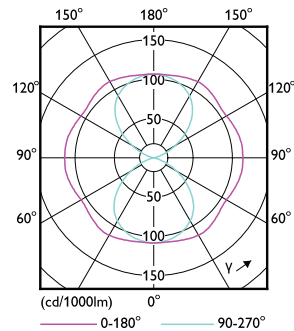
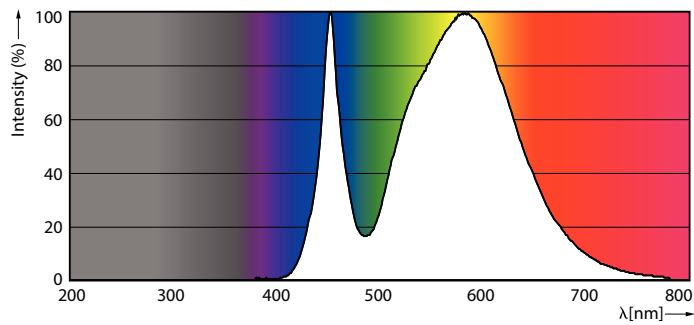
EPREL Registration Number	465206
<b>Product Data</b>	
Full product code	871869963910500
Order product name	TForce LED Road 120-68W E40 740
Order code	929002007702
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	929002007702
Full product name	TForce LED Road 120-68W E40 740
EAN/UPC - Case	8718699639112
EAN/UPC - Product/Case	8718699639105

## Dimensional drawing



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

## Photometric data

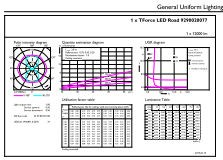


Spectral Power Distribution Colour - TForce LED Road 120-68W E40 740

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

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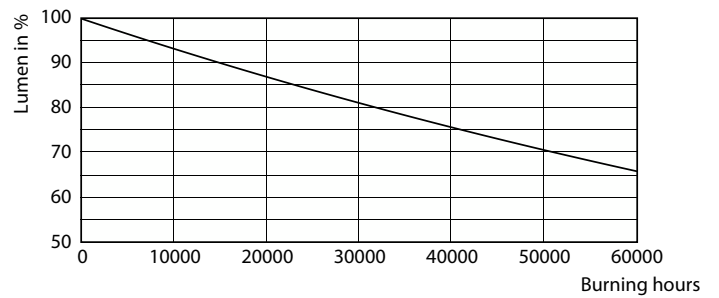
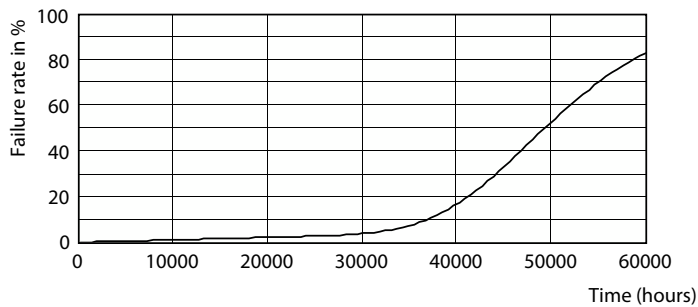
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## Accent Lighting Spots - TForce LED Road 120-68W E40 740

## Lifetime



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

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

