



# MASTER - LED HID SON-T

## TForce LED Road 68W E40 740 MV

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		Color Consistency	
Cap-Base	E40 [E40]	Color rendering index (CRI)	<6
EU RoHS compliant	Yes	LLMF At End Of Nominal Lifetime (Nom)	70
Nominal lifetime	50,000 hour(s)		70 %
Switching Cycle	50,000	Operating and Electrical	
Lighting Technology	LED	Line Frequency	50 to 60 Hz
Flux measurement reference	Sphere	Input Frequency	50 to 60 Hz
Brand	Philips	Power Consumption	68 W
		Wattage Equivalent	150 W
		Starting Time (Nom)	0.5 s
		Warm-up time to 60% light	0.5 s
		Power Factor (Fraction)	0.9
		Voltage (Nom)	120-277 V
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		

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## Temperature

T-Case Maximum (Nom)	60 °C
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## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Bulb Finish	Clear
Bulb Shape	T-shape

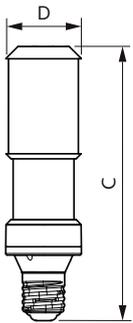
## Approval and Application

Energy Consumption kWh/1000 h	68 kWh
EPREL Registration Number	421,454

## Product Data

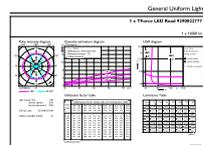
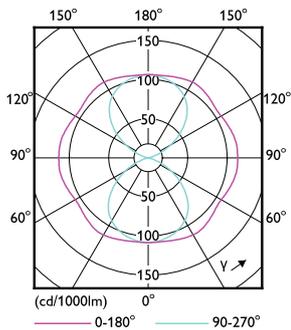
Full product code	871869970585500
Order product name	TForce LED Road 68W E40 740 MV
Order code	929002277708
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material number (12NC)	929002277708
Net weight	0.586 kg
Full product name	TForce LED Road 68W E40 740 MV
EAN/UPC - Case	8718699705862

## Dimensional drawing



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

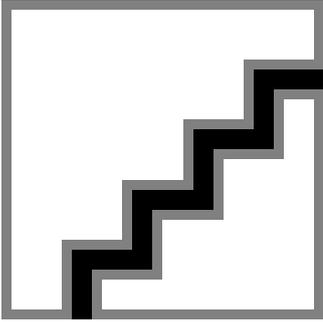
## Photometric data



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

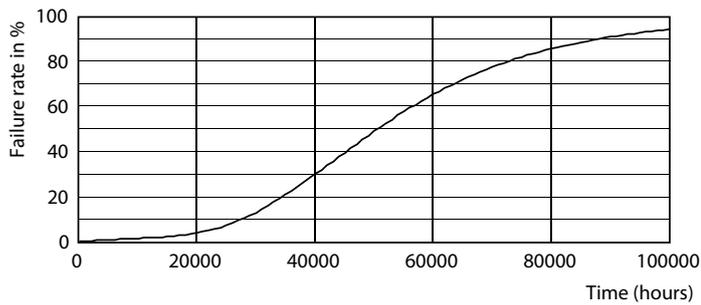
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## Photometric data

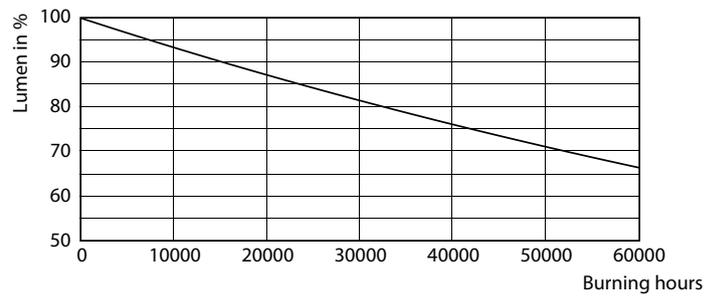


Spectral Power Distribution Colour - TForce LED Road 68W E40 740 MV

## Lifetime



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



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

