

# TrueForce LED Public (Road – SON)



## TrueForce LED Road 90-55W 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

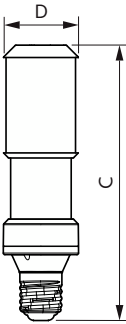
General Information		Luminous efficacy (rated) (nom.)	
Cap base	E40 [E40]	Colour consistency	<6
Nominal lifetime	50,000 h	Colour rendering index (CRI)	70
Switching Cycle	50,000	LLMF at end of nominal lifetime (nom.)	70 %
Lighting Technology	LED	Operating and Electrical	
Flux measurement reference	Sphere	Line Frequency	50 Hz
CE mark	Yes	Input frequency	50 Hz
EU RoHS compliant	Yes	Power Consumption	55 W
Light Technical		Lamp current (nom.)	1,000 mA
Colour Code	740 [CCT of 4000K]	Starting time (nom.)	0.5 s
Luminous Flux	9,000 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		

TrueForce LED Public (Road – SON)

Voltage (nom.)	88-98 V
Temperature	
T-Case maximum (nom.)	97 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Clear
Bulb shape	Others
Approval and Application	
Energy Efficiency Class	D
Energy consumption kWh/1,000 hours	55 kWh

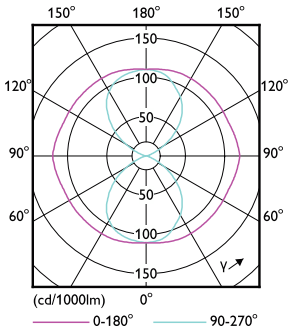
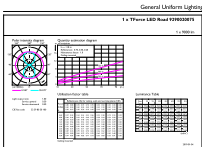
EPREL registration number	403608
Product Data	
Order product name	TForce LED Road 90-55W E40 740
Full product name	TrueForce LED Road 90-55W E40 740
Full EOC	871869963906800
Order code	63906800
Material no. (12 NC)	929002007502
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718699639068
Numerator – packs per outer box	6
EAN/UPC - Case	8718699639075

Dimensional drawing



Product	D	C
TForce LED Road 90-55W E40 740	71 mm	262 mm

Photometric data

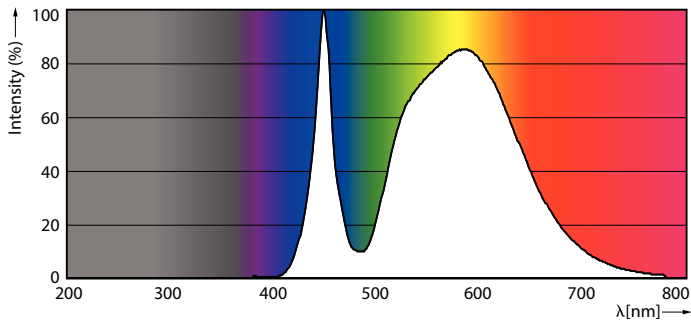


Accent Lighting Spots - TForce LED Road 90-55W E40 740

Light Distribution Diagram - TForce LED Road 90-55W E40 740

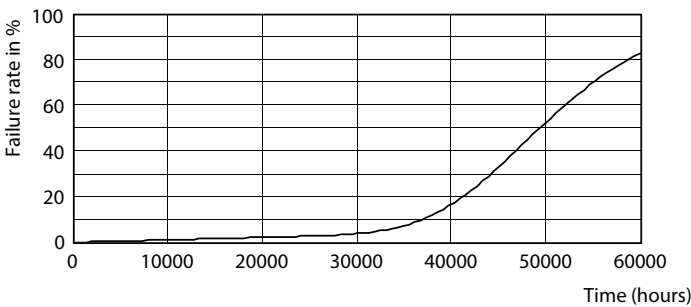
# TrueForce LED Public (Road – SON)

## Photometric data

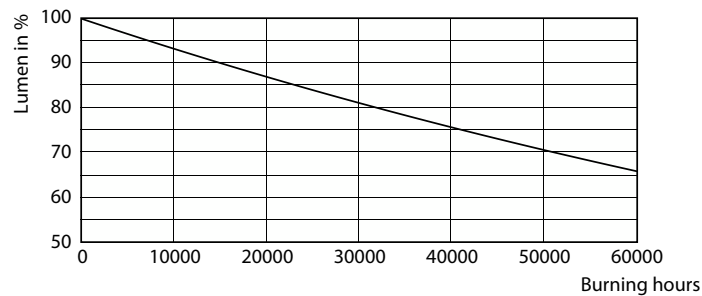


Spectral Power Distribution Colour - TForce LED Road 90-55W E40 740

## Lifetime



Life Expectancy Diagram - TForce LED Road 90-55W E40 740



Lumen Maintenance Diagram - TForce LED Road 90-55W E40 740

