



# MASTER - LED HID SON-T

## MAS LED SON-T IF 9Klm 50W 740 E40

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	
Cap-Base	E40 [E40]
EU RoHS compliant	Yes
Nominal lifetime	70,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
Light Technical	
Color Code	740 [CCT of 4000K]
Luminous Flux	9,000 lumen
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	180 lm/W
Color Consistency	<6

Color rendering index (CRI)	70
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Line Frequency	50 Hz
Input Frequency	50 Hz
Power Consumption	50 W
Lamp Current (Nom)	1,060 mA
Wattage Equivalent	100 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Voltage (Nom)	85-95 V
Temperature	
Ambient temperature range	-40 °C to 55 °C

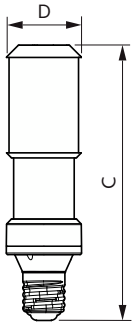
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T-Case Maximum (Nom)	52 °C
<b>Controls and Dimming</b>	
Dimmable	No
<b>Mechanical and Housing</b>	
Bulb Finish	Clear
Bulb Material	Glass
Bulb Shape	T70 [T 70mm]
<b>Approval and Application</b>	
Energy Consumption kWh/1000 h	50 kWh
EPREL Registration Number	1,077,806

## Product Data

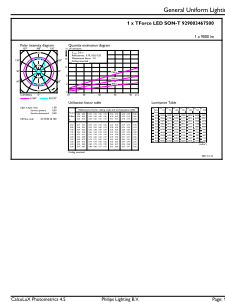
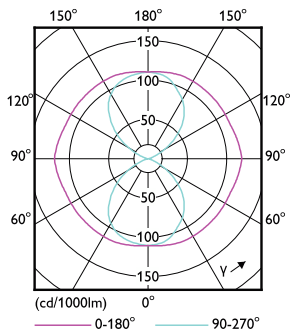
Full product code	871951444897100
Order product name	MAS LED SON-T IF 9Klm 50W 740 E40
Order code	929003467512
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material number (12NC)	929003467512
Net weight	0.490 kg
Full product name	MAS LED SON-T IF 9Klm 50W 740 E40
EAN/UPC - Case	8719514448988

## Dimensional drawing



Product	D	C
MAS LED SON-T IF 9Klm 50W 740 E40	71 mm	262 mm

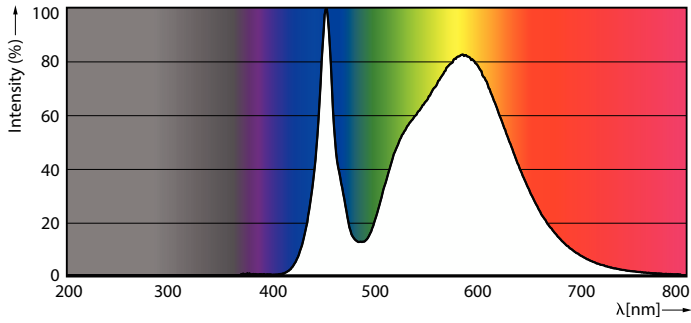
## Photometric data



## Light Distribution Diagram

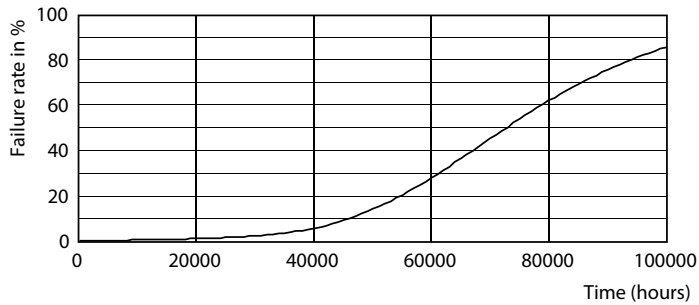
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## Photometric data

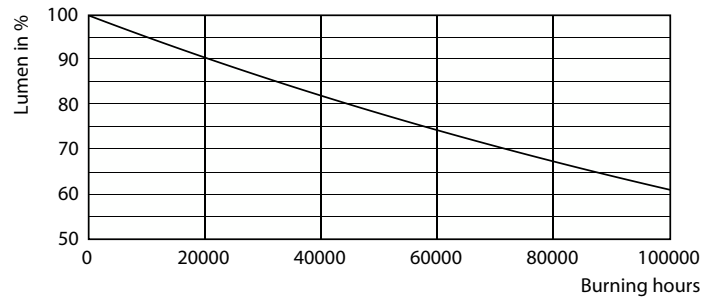


Spectral Power Distribution Colour

## Lifetime



Life Expectancy Diagram - MAS LED SON-T IF 9Klm 50W 740 E40



Lumen Maintenance Diagram - MAS LED SON-T IF 9Klm 50W 740 E40

