

TrueForce LED Public (Road – SON)

MAS LED SON-T EM 5.4Klm 34W 727 E27

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	
Cap base	E27 [E27]
Nominal lifetime	70,000 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
EU RoHS compliant	Yes

Light Technical	
Colour Code	727 [CCT of 2700K]
Luminous Flux	5,400 lm
Colour designation	Warm White (WW)
Correlated Colour Temperature	2700 K
Luminous efficacy (rated) (nom.)	158 lm/W
Colour consistency	<6
Colour rendering index (CRI)	70
LLMF at end of nominal lifetime (nom.)	70 %
Flickering value (PstLM)	1
Stroboscopic effect	2.5
Photobiological safety according to EN 62471	RG1

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input frequency	50 to 60 Hz
Power Consumption	34 W
Lamp current (max.)	325 mA
Lamp current (min.)	165 mA
Starting time (nom.)	0.5 s

TrueForce LED Public (Road – SON)

Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (nom.)	120-240 V
Inrush current at mains	5.9
Max. lamp no. on MCB B type 10A — Mains	39
Max. lamp no. on MCB B type 10A — EM ballast without Comp. Cap.	39
Max. lamp no. on MCB B type 10A — EM ballast with Comp. Cap.	7
Max. lamp no. on MCB B type 16A — Mains	62
Max. lamp no. on MCB B type 16A — EM ballast without Comp. Cap.	62
Max. lamp no. on MCB B type 16A — EM ballast with Comp. Cap.	11

Temperature

Ambient temperature range	-30 to +45 °C
T-Case maximum (nom.)	59 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Lamp Finish	Clear
Bulb material	Glass
Bulb shape	T60 [T 60 mm]

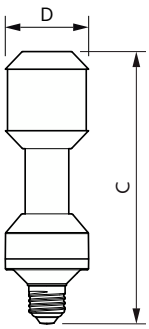
Approval and Application

Energy Efficiency Class	D
Energy consumption kWh/1,000 hours	34 kWh
EPREL registration number	1077803

Product Data

Order product name	MAS LED SON-T EM 5.4Klm 34W 727 E27
Full product name	MAS LED SON-T EM 5.4Klm 34W 727 E27
Full EOC	871951444909100
Order code	44909100
Material no. (12 NC)	929003468118
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8719514449091
Numerator – packs per outer box	6
EAN/UPC - Case	8719514449107

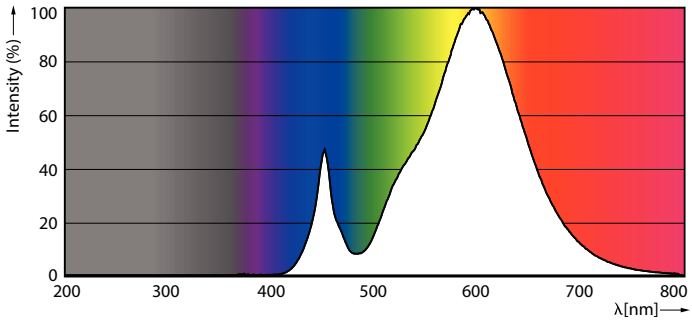
Dimensional drawing



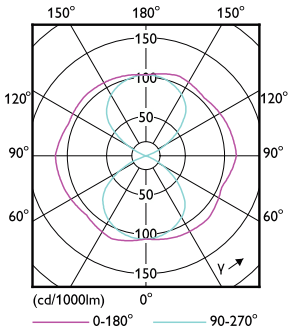
Product	D	C
MAS LED SON-T EM 5.4Klm 34W 727 E27	61 mm	200 mm

TrueForce LED Public (Road – SON)

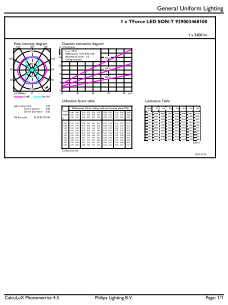
Photometric data



Spectral Power Distribution Colour

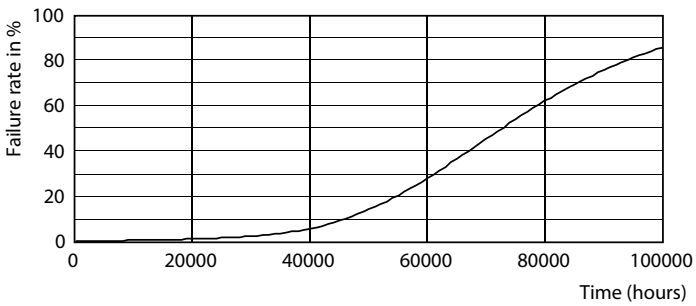


Light Distribution Diagram

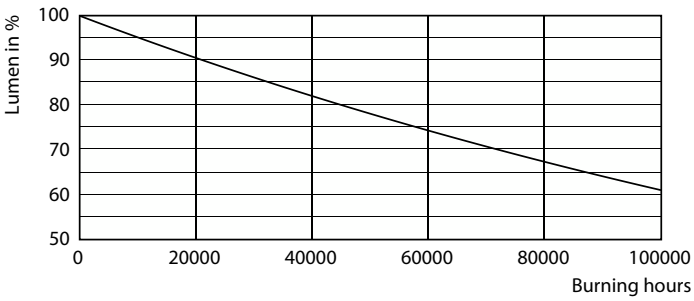


General uniform lighting - MAS LED SON-T EM 5.4Klm 34W 727 E27

Lifetime



Life Expectancy Diagram - MAS LED SON-T EM 5.4Klm 34W 727 E27



Lumen Maintenance Diagram - MAS LED SON-T EM 5.4Klm 34W 727 E27

TrueForce LED Public (Road – SON)

© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com
2023, April 15 - data subject to change