



TrueForce LED Public (Road – SON)



MAS LED SON-T IF 10.8Klm 65W 727 E40

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		Colour consistency	
Cap base	E40 [E40]	Colour consistency	<6
Nominal lifetime	70,000 h	Colour rendering index (CRI)	70
Switching Cycle	50,000	LLMF at end of nominal lifetime (nom.)	70 %
Lighting Technology	LED	Photobiological safety according to EN 62471	RG1
Flux measurement reference	Sphere	Operating and Electrical	
EU RoHS compliant	Yes	Line Frequency	50 Hz
		Input frequency	50 Hz
		Power Consumption	65 W
		Lamp current (nom.)	1,760 mA
		Starting time (nom.)	0.5 s
		Warm-up time to 60% light	0.5 s
		Power Factor (Fraction)	-
		Voltage (nom.)	80-90 V
Light Technical			
Colour Code	727 [CCT of 2700K]		
Luminous Flux	10,800 lm		
Colour designation	Warm White (WW)		
Correlated Colour Temperature	2700 K		
Luminous efficacy (rated) (nom.)	166 lm/W		

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Max. lamp no. on MCB B type 10A — Mains	-
Max. lamp no. on MCB B type 10A — EM ballast without Comp. Cap.	4
Max. lamp no. on MCB B type 10A — EM ballast with Comp. Cap.	8
Max. lamp no. on MCB B type 16A — Mains	-
Max. lamp no. on MCB B type 16A — EM ballast without Comp. Cap.	6
Max. lamp no. on MCB B type 16A — EM ballast with Comp. Cap.	12

Temperature

Ambient temperature range	-30 to +45 °C
T-Case maximum (nom.)	55 °C

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Lamp Finish	Clear
Bulb material	Glass

Bulb shape	T70 [T 70mm]
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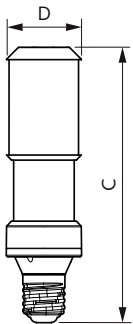
Approval and Application

Energy Efficiency Class	D
Energy consumption kWh/1,000 hours	65 kWh
EPREL registration number	1077807

Product Data

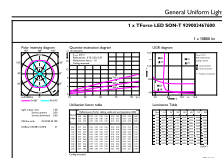
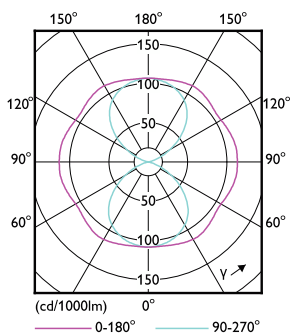
Order product name	MAS LED SON-T IF 10.8Klm 65W 727 E40
Full product name	MAS LED SON-T IF 10.8Klm 65W 727 E40
Full EOC	871951444899500
Order code	44899500
Material no. (12 NC)	929003467612
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514448995
Numerator – packs per outer box	6
EAN/UPC - Case	8719514449008

Dimensional drawing



Product	D	C
MAS LED SON-T IF 10.8Klm 65W 727 E40	71 mm	262 mm

Photometric data

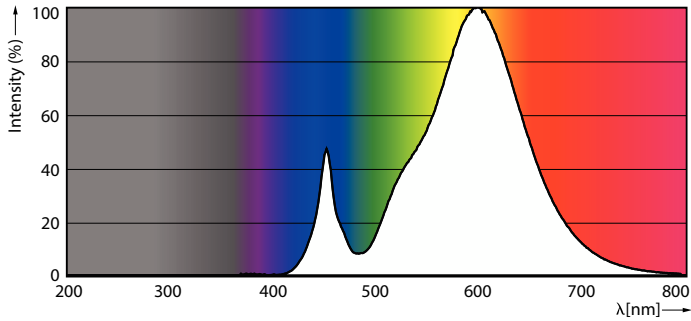


Light Distribution Diagram

General uniform lighting - MAS LED SON-T IF 10.8Klm 65W 727 E40

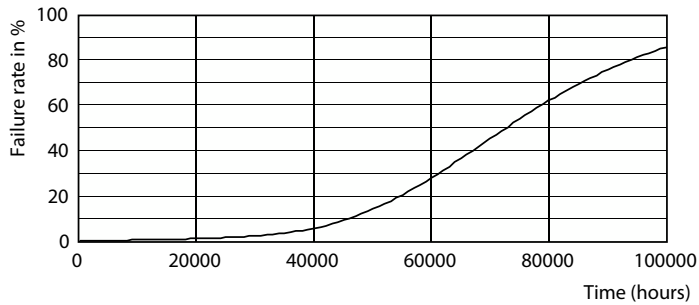
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Photometric data

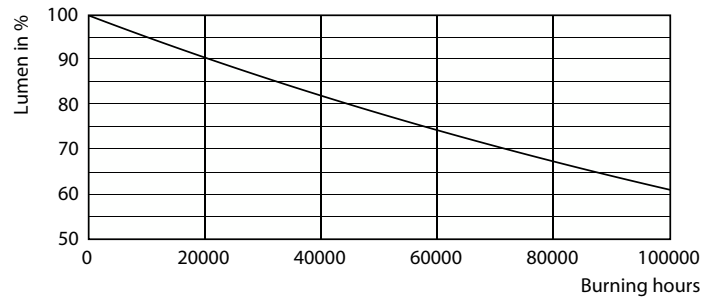


Spectral Power Distribution Colour

Lifetime



Life Expectancy Diagram - MAS LED SON-T IF 10.8Klm 65W 727 E40



Lumen Maintenance Diagram - MAS LED SON-T IF 10.8Klm 65W 727 E40

