



TrueForce LED Public (Road – SON)



MAS LED SON-T EM 12Klm 65W 740 E40

MASTER, LED SON-T, Tubular, EM/Mains, 65 W, SON-T 150W, E40, 4000 K, 12000 lm, CRI 70, 70000 h

MASTER, LED SON-T, Tubular, EM/Mains, 65 W, LED alternative to SON-T 150W, E40, 4000 K, 12000 lm, CRI 70, 70000 h, 184 lm/W, EEL C, PF 0.9, Glass, RG1, IP40, SVM 2.5, PstLM 1

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	E40
Nominal lifetime	70,000 h
Switching Cycle	50,000
Lighting Technology	LED SON-T
Flux measurement reference	Sphere
Warranty period	8 years
Light Technical	
Colour Code	740 [CCT of 4000K]
Luminous Flux	12,000 lm
Colour designation	Cool White (CW)
Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	184 lm/W
Colour consistency	<6

Colour rendering index (CRI)	70
LLMF at end of nominal lifetime (nom.)	70 %
Photobiological safety according to EN 62471	RG1
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input frequency	50 to 60 Hz
Power Consumption	65 W
Lamp current (max.)	615 mA
Lamp current (min.)	325 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (nom.)	120-240 V
Inrush current at mains	7.6

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Max. lamp no. on MCB B type 10A – Mains	20
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	20
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	4
Max. lamp no. on MCB B type 16A – Mains	32
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	32
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	7
Wattage Equivalent (LED HID only)	SON-T 150W
Ballast Compatibility	EM/Mains

Temperature

T-Case maximum (nom.)	55 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Lamp Finish	Clear
Bulb material	Glass
Bulb shape	Tubular
Net Weight (Piece)	0.650 kg

Approval and Application

Energy Efficiency Class	C
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Energy-saving product	Yes
Energy consumption kWh/1,000 hours	65 kWh
EPREL Registration Number	1077808
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM)	1
Stroboscopic effect	2.5
Ambient temperature range	-30 to +45 °C

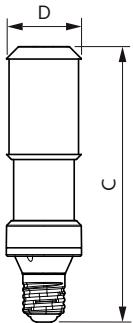
Application Conditions

Wireless Technology	Not applicable
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Product Data

Order product name	MAS LED SON-T EM 12Klm 65W 740 E40
Full product name	MAS LED SON-T EM 12Klm 65W 740 E40
Full EOC	871951444923700
Order code	929003468818
Material no. (12 NC)	929003468818
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514449237
Numerator – packs per outer box	6
EAN/UPC – Case	8719514449244

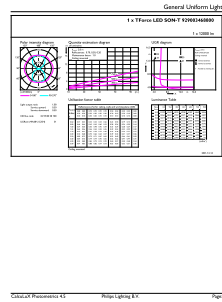
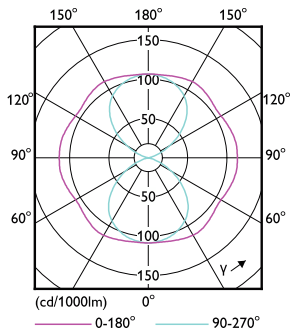
Dimensional drawing



Product	D	C
MAS LED SON-T EM 12Klm 65W 740 E40	71 mm	262 mm

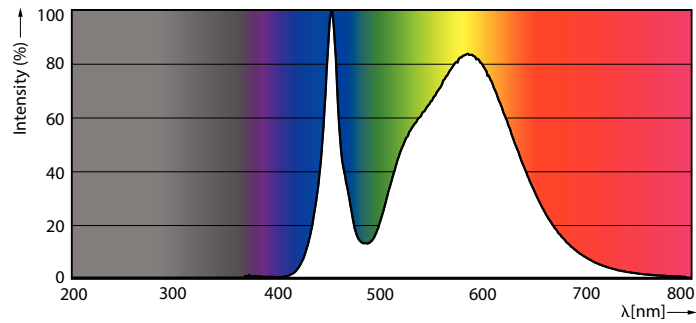
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Photometric data



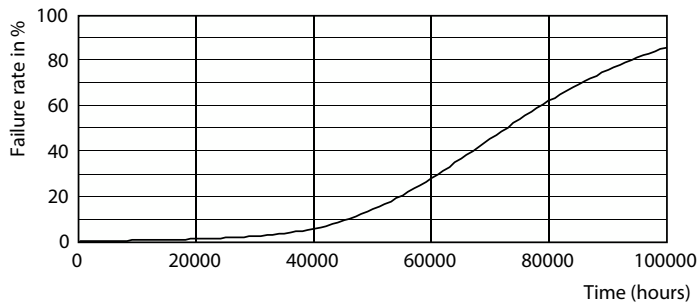
Light Distribution Diagram - MAS LED SON-T EM 12Klm 65W 740 E40

General uniform lighting - MAS LED SON-T EM 12Klm 65W 740 E40

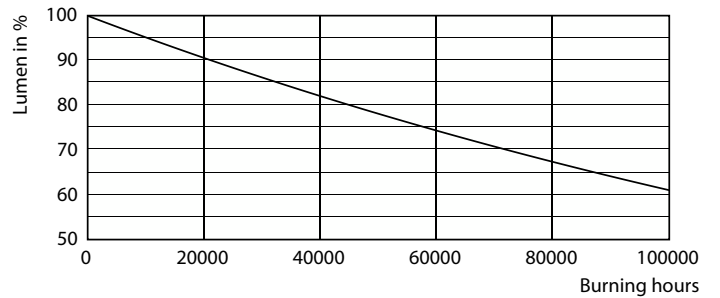


Spectral Power Distribution Colour - MAS LED SON-T EM 12Klm 65W 740 E40

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LED SON-T EM 12Klm 65W 740 E40

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