



MASTER - LED HID SON-T



MAS LED SON-T EM 3.6Klm 23W 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		Color Consistency	
Cap-Base	E27 [E27]	Color rendering index (CRI)	70
Nominal lifetime	70,000 hour(s)	LLMF At End Of Nominal Lifetime (Nom)	70 %
Switching Cycle	50,000	Flickering value (PstLM)	1
Lighting Technology	LED	Stroboscopic effect value (SVM)	2.5
Flux measurement reference	Sphere	Photobiological safety according to EN 62471	RG1
EU RoHS compliant	Yes	Operating and Electrical	
Light Technical		Line Frequency	50 to 60 Hz
Color Code	727 [CCT of 2700K]	Input Frequency	50 to 60 Hz
Luminous Flux	3,600 lm	Power Consumption	23 W
Color Designation	Warm White (WW)	Lamp Current (Max)	220 mA
Correlated Color Temperature (Nom)	2700 K	Lamp Current (Min)	115 mA
Luminous Efficacy (rated) (Nom)	156 lm/W	Starting Time (Nom)	0.5 s

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Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	120-240 V
Max. lamp no. on MCB B type 10A - Mains	58
Max. lamp no. on MCB B type 10A – EM ballast without Comp. Cap.	58
Max. lamp no. on MCB B type 10A – EM ballast with Comp. Cap.	8
Max. lamp no. on MCB B type 16A - Mains	93
Max. lamp no. on MCB B type 16A – EM ballast without Comp. Cap.	93
Max. lamp no. on MCB B type 16A – EM ballast with Comp. Cap.	14

Temperature

Ambient temperature range	-30 to +45 °C
T-Case Maximum (Nom)	46 °C

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Clear
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Bulb Material	Glass
Bulb Shape	T60 [T 60mm]

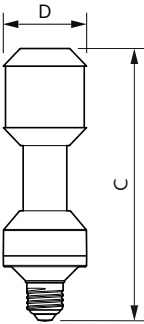
Approval and Application

Energy Efficiency Class	D
Energy Consumption kWh/1000 h	23 kWh
EPREL Registration Number	1077796

Product Data

Order product name	MAS LED SON-T EM 3.6Klm 23W 727 E27
Full product name	MAS LED SON-T EM 3.6Klm 23W 727 E27
Full product code	871951444903900
Order code	929003467818
Material Nr. (12NC)	929003467818
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514449039
Numerator - Packs per outer box	6
EAN/UPC - Case	8719514449046

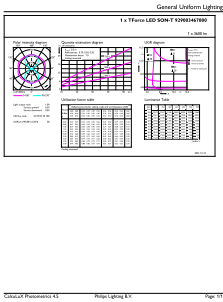
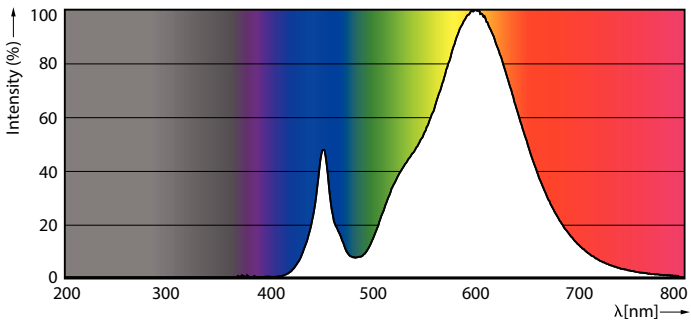
Dimensional drawing



Product	D	C
MAS LED SON-T EM 3.6Klm 23W 727 E27	61 mm	200 mm

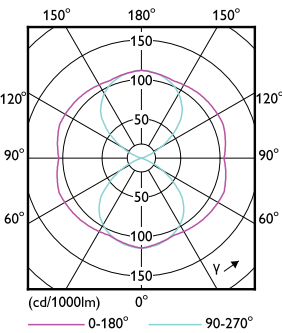
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Photometric data



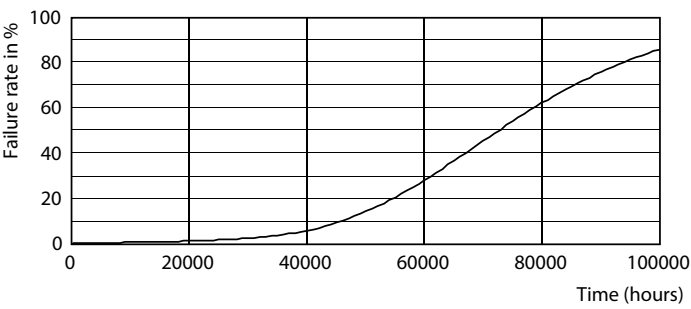
Spectral Power Distribution Colour

General uniform lighting - MAS LED SON-T EM 3.6Klm 23W 727 E27

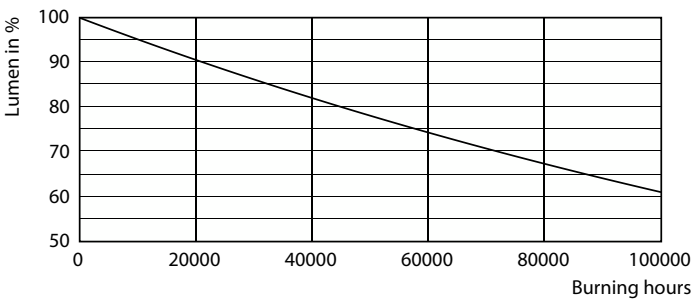


Light Distribution Diagram

Lifetime



Life Expectancy Diagram - MAS LED SON-T EM 3.6Klm 23W 727 E27



Lumen Maintenance Diagram - MAS LED SON-T EM 3.6Klm 23W 727 E27

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