



MASTER - LED HID SON-T



MAS LED SON-T EM 4Klm 23W 740 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
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	4,000 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	173 lm/W
Color Consistency	<6

Color 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	23 W
Lamp Current (Max)	220 mA
Lamp Current (Min)	115 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

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Ballast Compatibility	EM/Mains
Inrush current at mains	5.85
Max. lamp no. on MCB B type 10A – Mains	58
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	58
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	8
Max. lamp no. on MCB B type 16A – Mains	93
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	93
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	14

Temperature

T-Case Maximum (Nom)	46 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Clear
Bulb Material	Glass
Bulb Shape	T60
Net Weight (Piece)	0.260 kg

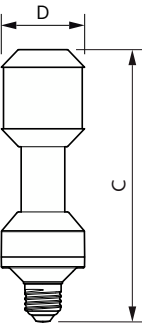
Approval and Application

Energy Efficiency Class	C
Energy Consumption kWh/1000 h	23 kWh
EPREL Registration Number	1077804
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM) – Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	2.5
Ambient temperature range	-30 to +45 °C

Product Data

Order product name	MAS LED SON-T EM 4Klm 23W 740 E27
Full product name	MAS LED SON-T EM 4Klm 23W 740 E27
Full product code	871951444905300
Order code	929003467918
Material Nr. (12NC)	929003467918
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8719514449053
Numerator – Packs per outer box	6
EAN/UPC – Case	8719514449060

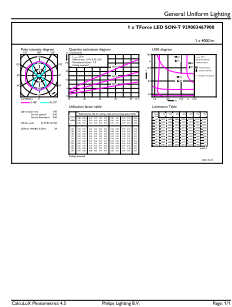
Dimensional drawing



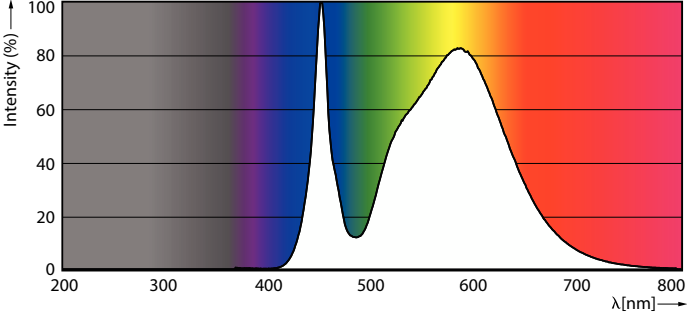
Product	D	C
MAS LED SON-T EM 4Klm 23W 740 E27	61 mm	200 mm

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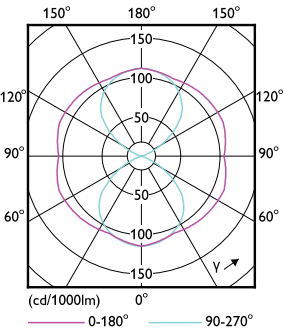
Photometric data



General uniform lighting - MAS LED SON-T EM 4Klm 23W 740 E27

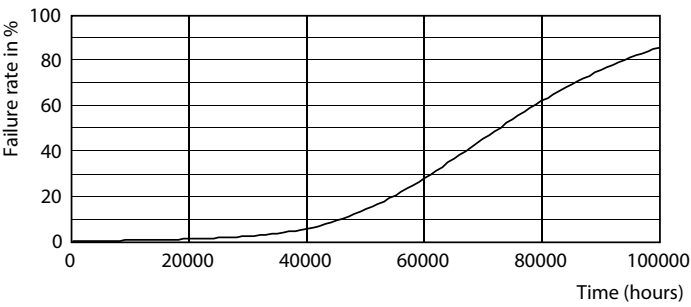


Spectral Power Distribution Colour - MAS LED SON-T EM 4Klm 23W 740 E27

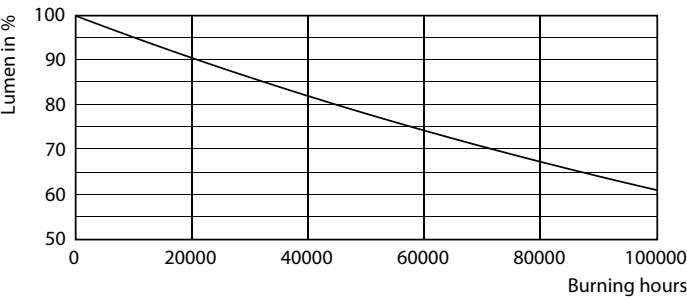


Light Distribution Diagram - MAS LED SON-T EM 4Klm 23W 740 E27

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LED SON-T EM 4Klm 23W 740 E27

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