

MASTER - LED HID SON-T



MAS LED SON-T IF 9Klm 50W 740 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	
Cap-Base	E40
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	9,000 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	180 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 Hz
Input Frequency	50 Hz
Power Consumption	50 W
Lamp Current (Nom)	1,060 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	-
Voltage (Nom)	85-95 V
Ballast Compatibility	EM

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Inrush current at mains	-
Max. lamp no. on MCB B type 10A - Mains	-
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	6
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	9
Max. lamp no. on MCB B type 16A - Mains	-
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	10
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	15

Temperature

T-Case Maximum (Nom)	52 °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	T70
Net Weight (Piece)	0.490 kg

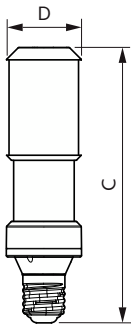
Approval and Application

Energy Efficiency Class	C
Energy Consumption kWh/1000 h	50 kWh
EPREL Registration Number	1077806
CE mark	Yes
EU RoHS compliant	Yes
Ambient temperature range	-30 to +45 °C

Product Data

Order product name	MAS LED SON-T IF 9Klm 50W 740 E40
Full product name	MAS LED SON-T IF 9Klm 50W 740 E40
Full product code	871951444897100
Order code	929003467512
Material Nr. (12NC)	929003467512
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514448971
Numerator - Packs per outer box	6
EAN/UPC - Case	8719514448988

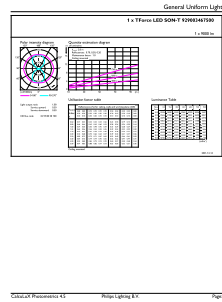
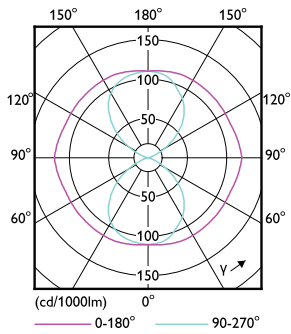
Dimensional drawing



Product	D	C
MAS LED SON-T IF 9Klm 50W 740 E40	71 mm	262 mm

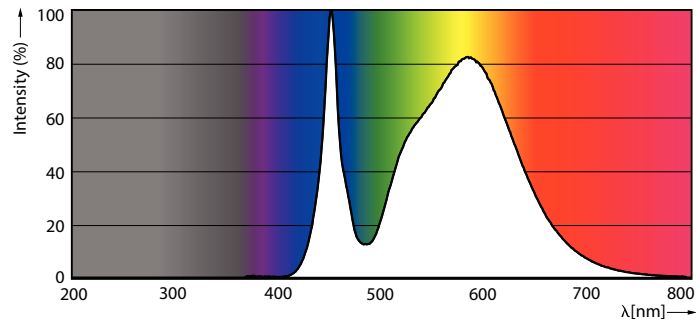
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Photometric data



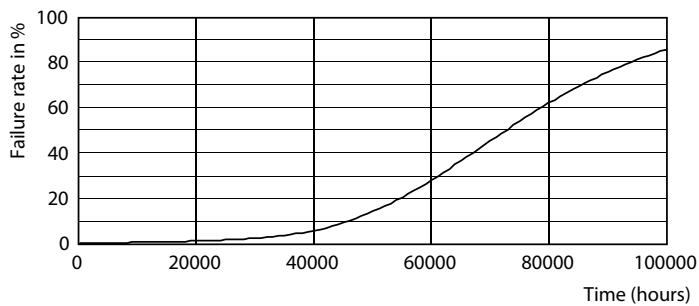
Light Distribution Diagram - MAS LED SON-T IF 9Klm 50W 740 E40

General uniform lighting - MAS LED SON-T IF 9Klm 50W 740 E40

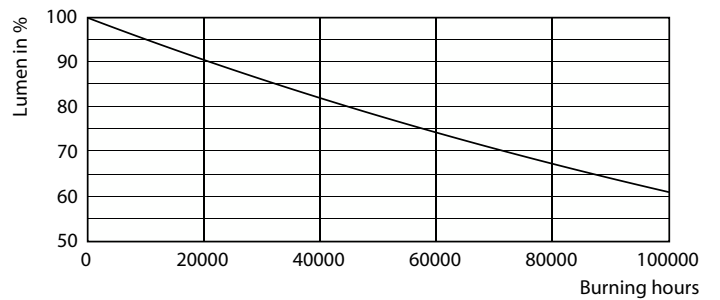


Spectral Power Distribution Colour - MAS LED SON-T IF 9Klm 50W 740 E40

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LED SON-T IF 9Klm 50W 740 E40

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