MASTER – LED HID SON-T

MAS LED SON-T EM 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 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	50 W
Lamp Current (Max)	465 mA
Lamp Current (Min)	245 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	7.4
Max. lamp no. on MCB B type 10A – Mains	26
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	26
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	5
Max. lamp no. on MCB B type 16A – Mains	41
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	41
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	9

Temperature

T–Case Maximum (Nom)	52 ℃

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Clear
Bulb Material	Glass
Bulb Shape	T70
Net Weight (Piece)	0.505 kg

Approval and Application

Energy Efficiency Class	C
Energy Consumption kWh/1000 h	50 kWh
EPREL Registration Number	1077802
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 ℃

Product Data

Order product name	MAS LED SON–T EM 9Klm 50W 740 E40
Full product name	MAS LED SON–T EM 9Klm 50W 740 E40
Full product code	871951444917600
Order code	929003468518
Material Nr. (12NC)	929003468518
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8719514449176
Numerator – Packs per outer box	6
EAN/UPC – Case	8719514449183

Dimensional drawing
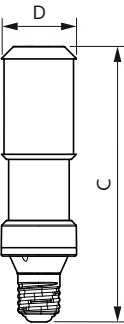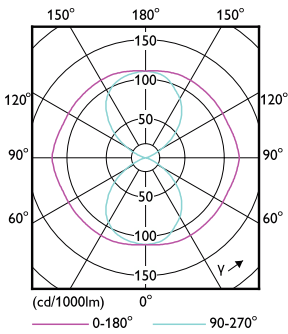

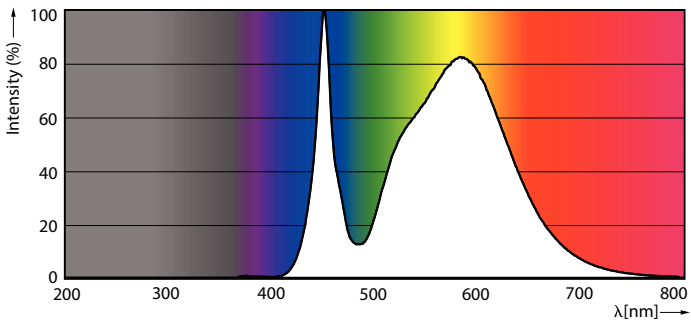| Product	D	C
MAS LED SON–T EM 9Klm 50W 740 E40	71 mm	262 mm

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Photometric data
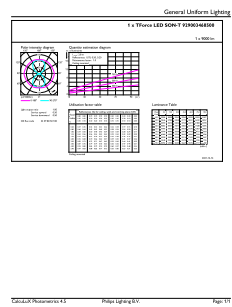
General uniform lighting – MAS LED SON–T EM 9Klm 50W 740 E40
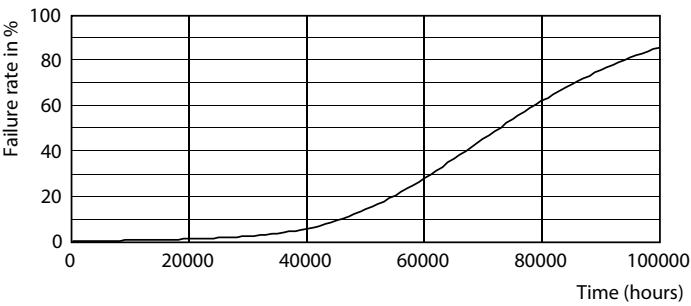

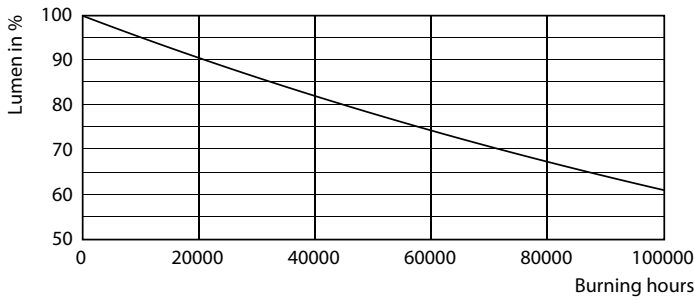**Light Distribution Diagram – MAS LED SON–T EM 9Klm 50W 740 E40**

Spectral Power Distribution Colour – MAS LED SON–T EM 9Klm 50W 740 E40

Lifetime

Life Expectancy Diagram

Lumen Maintenance Diagram – MAS LED SON–T EM 9Klm 50W 740 E40

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