



MASTER - LED HID SON-T - Ultra Efficient



MAS LED SON-T UE M 9Klm 42.8W 740 E40

LED SON-T, Tubular, Mains only, 42.8 W, SON-T 100W, E40, 4000 K, 9000 lm, CRI 70, 50000 hour(s)

LED SON-T, Tubular, Mains only, 42.8 W, LED alternative to SON-T 100W, E40, 4000 K, 9000 lm, CRI 70, 50000 hour(s), 210 lm/W, EEL A, PF 0.9, Beam angle 300 degree(s), Glass, RG1, IP65, SVM 1.6, PstLM 1

Warnings and Safety

- Installation should always be performed by a qualified electrician or installer. Use the installation guide for instructions.

Product data

General Information		Operating and Electrical	
Cap-Base	E40	Line Frequency	50 to 60 Hz
Nominal lifetime	50,000 hour(s)	Input Frequency	50 to 60 Hz
Switching Cycle	50,000	Power Consumption	42.8 W
Lighting Technology	LED SON-T		
Flux measurement reference	Sphere		
Warranty period	5 years		
Light Technical			
Color Code	740 [CCT of 4000K]		
Beam Angle (Nom)	300 degree(s)		
Luminous Flux	9,000 lm		
Color Designation	Cool White (CW)		
Correlated Color Temperature (Nom)	4000 K		
Luminous Efficacy (rated) (Nom)	210 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		

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Lamp Current (Nom)	183 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
Inrush current at mains	24.4
Max. lamp no. on MCB B type 10A - Mains	8
Max. lamp no. on MCB B type 10A - EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 10A - EM ballast with Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A - Mains	14
Max. lamp no. on MCB B type 16A - EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A - EM ballast with Compensation Capacitor.	-
Wattage Equivalent (LED HID only)	SON-T 100W
Ballast Compatibility	Mains only

Temperature

T-Case Maximum (Nom)	49.79 °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	Tubular
Net Weight (Piece)	0.225 kg

Approval and Application

Energy Efficiency Class	A
Energy Saving Product	Yes
Energy Consumption kWh/1000 h	43 kWh
EPREL Registration Number	2096239
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	1.6
Ambient temperature range	-30 to +45 °C

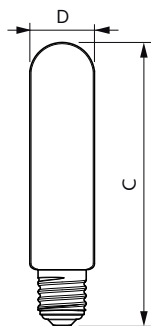
Application Conditions

can it be used in closed luminaires	Yes
Wireless Technology	Not applicable

Product Data

Order product name	MAS LED SON-T UE M 9Klm 42.8W 740 E40
Full product name	MAS LED SON-T UE M 9Klm 42.8W 740 E40
Full product code	872016924039100
Order code	929003677602
Material Nr. (12NC)	929003677602
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169240391
Numerator - Packs per outer box	6
EAN/UPC - Case	8720169240407

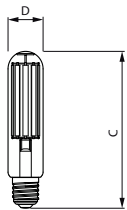
Dimensional drawing



Product	D	C
MAS LED SON-T UE M 9Klm 42.8W 740 E40	53 mm	236 mm

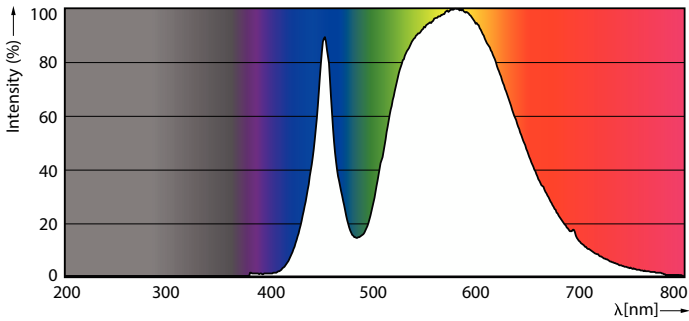
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Dimensional drawing

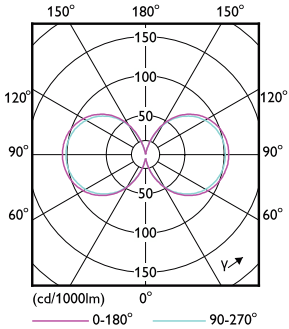


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MAS LED SON-T UE M 9Klm 42.8W 740 E40	53 mm	236 mm

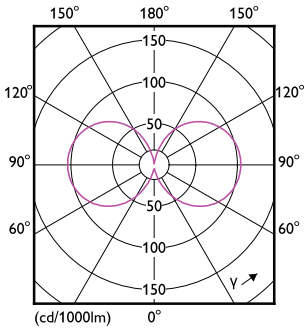
Photometric data



Spectral Power Distribution Colour - MAS LED SON-T UE M 9Klm 42.8W 740 E40



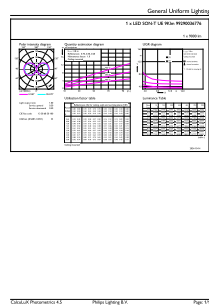
Light Distribution Diagram - MAS LED SON-T UE M 9Klm 42.8W 740 E40



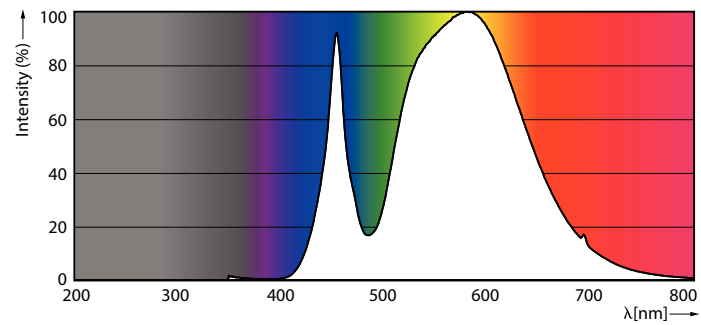
Light Distribution Diagram - MAS LED SON-T UE M 9Klm 42.8W 740 E40

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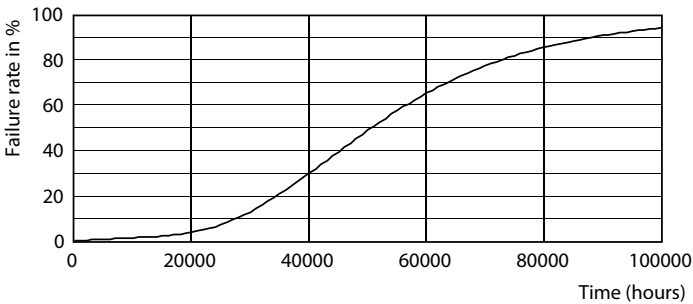


General uniform lighting - MAS LED SON-T UE M 9Klm 42.8W 740 E40

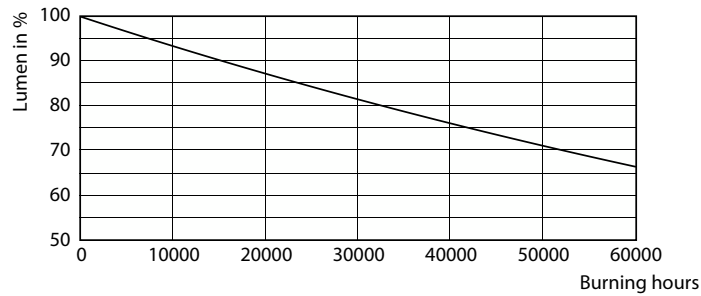


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Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LED SON-T UE M 9Klm 42.8W 740 E40

