

MASTER - LED HID SON-T - Ultra Efficient



MAS LED SON-T UE M 4Klm 19W 740 E27

Philips MASTER - LED HID SON-T Ultra Efficient lamps are an easy LED solution with the highest efficiency to replace High-Intensity Discharge (HID) and High-Pressure Sodium (SON) lamps. MASTER - LED HID SON-T UE solutions bring the energy efficiency and long lifetime benefits of LED to HID replacement, providing instant savings for low energy costs. With the right lamp size and light distribution, you can easily use MASTER - LED HID SON-T UE lamps into existing SON and SON-T systems, enhancing the lighting quality with LED by removing the luminaire's ballast for direct Mains working, gaining additional savings.

Warnings and Safety

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

Product data

General Information			
Cap-Base	E27	Luminous Flux	4,000 lm
Nominal lifetime	50,000 hour(s)	Color Designation	Cool White (CW)
Switching Cycle	50,000	Correlated Color Temperature (Nom)	4000 K
Lighting Technology	LED	Luminous Efficacy (rated) (Nom)	210 lm/W
Flux measurement reference	Sphere	Color Consistency	<6
Value ladder	Performance	Color rendering index (CRI)	70
Light Technical		LLMF At End Of Nominal Lifetime (Nom)	70 %
Color Code	740 [CCT of 4000K]	Photobiological safety according to EN 62471	RG1
Beam Angle (Nom)	300 degree(s)	Operating and Electrical	
		Input Frequency	50 to 60 Hz

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Power Consumption	19 W
Lamp Current (Nom)	90 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
Ballast Compatibility	Mains
Inrush current at mains	24.6
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.	-

Temperature

T-Case Maximum (Nom)	40.46 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Clear
Bulb Shape	T46
Net Weight (Piece)	0.105 kg

Approval and Application

Energy Efficiency Class	A
Energy Consumption kWh/1000 h	19 kWh
EPREL Registration Number	2096243
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

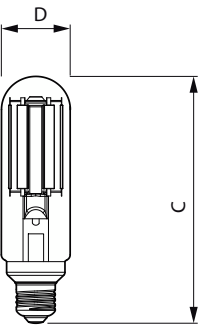
Application Conditions

can it be used in closed luminaires	Yes
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Product Data

Order product name	MAS LED SON-T UE M 4Klm 19W 740 E27
Full product name	MAS LED SON-T UE M 4Klm 19W 740 E27
Full product code	872016937421800
Order code	929003677232
Material Nr. (12NC)	929003677232
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169374218
Numerator - Packs per outer box	6
EAN/UPC - Case	8720169374225

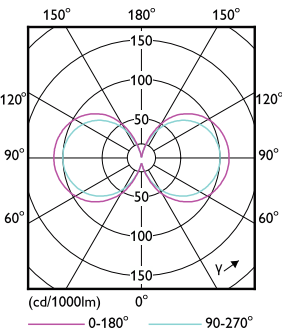
Dimensional drawing



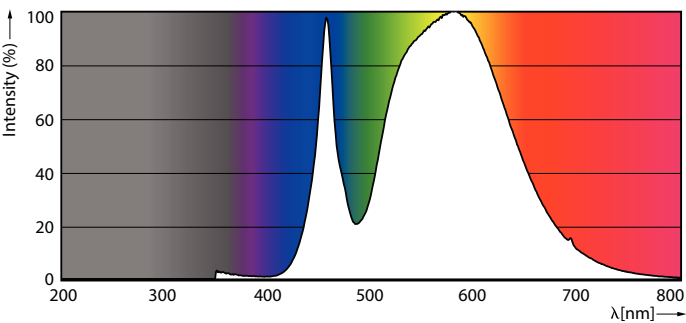
Product	D	C
MAS LED SON-T UE M 4Klm 19W 740 E27	53.5 mm	236 mm

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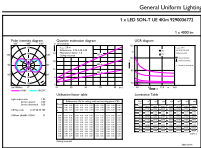
Photometric data



Light Distribution Diagram - MAS LED SON-T UE M 4Klm 19W 740 E27



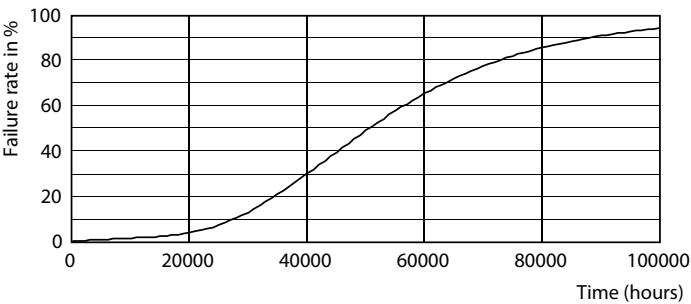
Spectral Power Distribution Colour - MAS LED SON-T UE M 4Klm 19W 740 E27



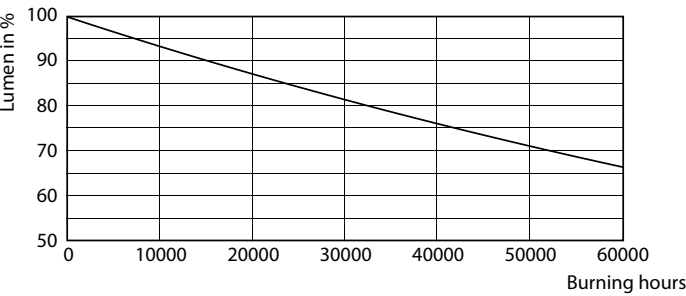
General uniform lighting

General uniform lighting - MAS LED SON-T UE M 4Klm 19W 740 E27

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LED SON-T UE M 4Klm 19W 740 E27

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