



# 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		Light Technical	
Cap-Base	E27 [E27]	Color Code	740 [CCT of 4000K]
Nominal lifetime	50,000 hour(s)	Beam Angle (Nom)	300 degree(s)
Switching Cycle	50,000	Luminous Flux	4,000 lumen
Lighting Technology	LED	Color Designation	Cool White (CW)
Flux measurement reference	Sphere	Correlated Color Temperature (Nom)	4000 K
Value ladder	Performance	Luminous Efficacy (rated) (Nom)	210 lm/W
CE mark	Yes	Color Consistency	<6
EU RoHS compliant	Yes	Color rendering index (CRI)	70
		LLMF At End Of Nominal Lifetime (Nom)	70 %
		Flickering value (PstLM)	1

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Stroboscopic effect value (SVM)	2
Photobiological safety according to EN 62471	RG1

## Operating and Electrical

Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	19 W
Lamp Current (Nom)	89 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
Voltage (Nom)	220 V

## Temperature

Ambient temperature range	-20 to +45 °C
T-Case Maximum (Nom)	39.56 °C

## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Bulb Finish	Clear
Bulb Shape	T46 [T 46mm]

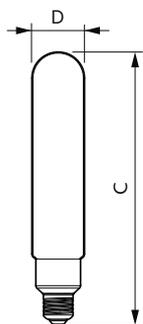
## Approval and Application

Energy Consumption kWh/1000 h	19 kWh
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## Product Data

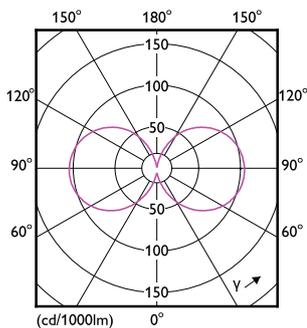
Full product code	872016924031500
Order product name	MAS LED SON-T UE M 4Klm 19W 740 E27
Order code	929003677202
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	929003677202
Full product name	MAS LED SON-T UE M 4Klm 19W 740 E27
EAN/UPC - Case	8720169240322
EAN/UPC - Product/Case	8720169240315

## Dimensional drawing

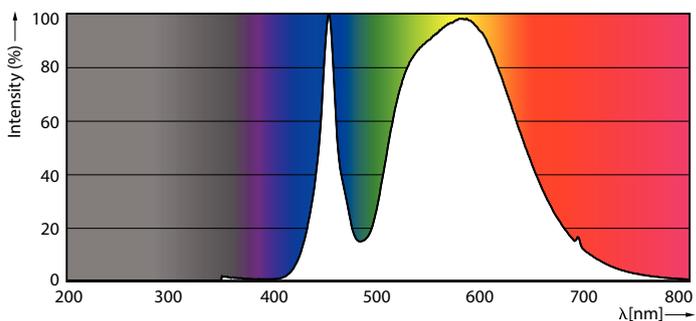


Product	D	C
MAS LED SON-T UE M 4Klm 19W 740 E27	47 mm	237 mm

## Photometric data



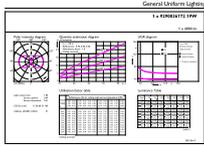
Light Distribution Diagram - MAS LED SON-T UE M 4Klm 19W 740 E27



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

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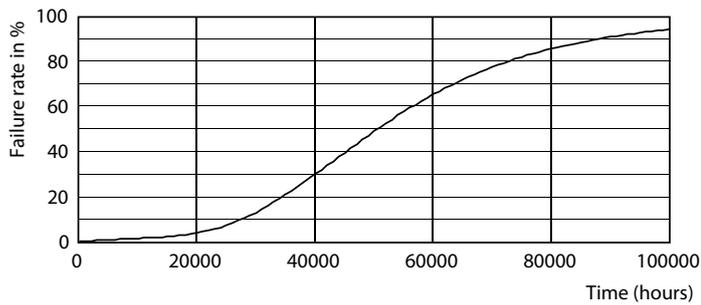
## Photometric data



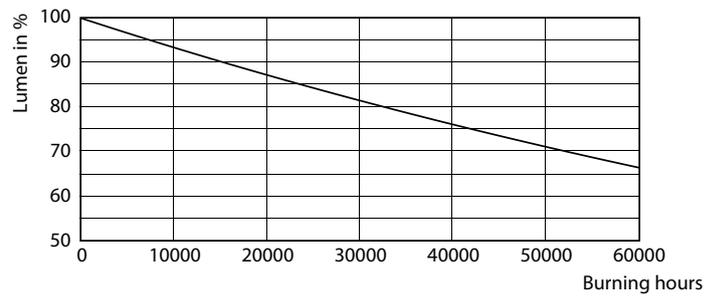
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General uniform lighting - MAS LED SON-T UE M 4Klm 19W 740 E27

## Lifetime



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



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

