# **PHILIPS** Lighting



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# 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**

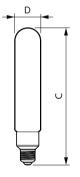
General Information		Light Technical	
Cap-Base	E27	Color Code	740 [CCT of 4000K]
Nominal lifetime	50,000 hour(s)	Beam Angle (Nom)	300 degree(s)
Switching Cycle	50,000	Luminous Flux	4,000 lm
Lighting Technology	LED	Color Designation	Cool White (CW)
Flux measurement reference	Sphere	Correlated Color Temperature (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 %

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Flickering value (PstLM) - Flickering value as per	1	
EN 61000-3-3		
Stroboscopic effect visibility measure (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	
Inrush current at mains	29.7	
Max. lamp no. on MCB B type 10A - Mains	7	
Max. lamp no. on MCB B type 10A - EM ballast	-	
without Comp. Cap.		
Max. lamp no. on MCB B type 10A - EM ballast	-	
with Comp. Cap.		
Max. lamp no. on MCB B type 16A - Mains	12	
Max. lamp no. on MCB B type 16A - EM ballast	-	
without Comp. Cap.	_	
Max. lamp no. on MCB B type 16A - EM ballast	-	
with Comp. Cap.	_	
Ballast Compatibility	Mains	
Temperature		

T-Case Maximum (Nom)	39.56 °C
Controls and Discoving	
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	T46
Approval and Application	
Energy Efficiency Class	A
Energy Consumption kWh/1000 h	19 kWh
EPREL Registration Number	1552687
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	872016924031500
Order code	929003677202
Material Nr. (12NC)	
	929003677202
Numerator - Quantity Per Pack	929003677202
Numerator - Quantity Per Pack EAN/UPC - Product/Case	
	1

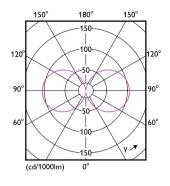
## Dimensional drawing

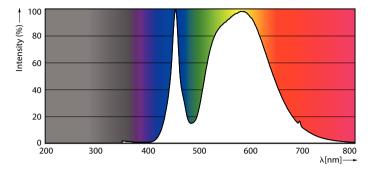


Product	D	с
MAS LED SON-T UE M 4Klm 19W 740 E27	47 mm	237 mm

### MASTER - LED HID SON-T - Ultra Efficient

#### Photometric data





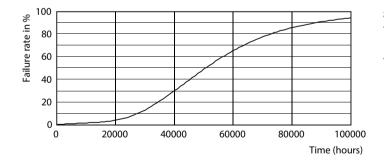
Spectral Power Distribution Colour - MAS LED SON-T UE M 4Klm 19W 740 E27

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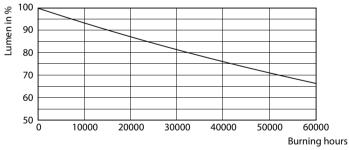
General uniform lighting - MAS LED SON-T UE M 4Klm 19W 740 E27

Light Distribution Diagram - 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

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