



# MASTER - LED HID SON-T - Ultra Efficient

## MAS LED SON-T UE M 5.4Klm 28.5W 727 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

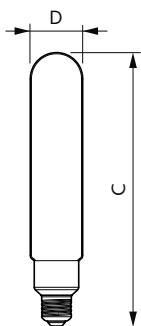
General Information		Light Technical	
Cap-Base	E27 [E27]	Color Code	727 [CCT of 2700K]
Nominal lifetime	50,000 hour(s)	Beam Angle (Nom)	300 degree(s)
Switching Cycle	50,000	Luminous Flux	5,400 lumen
Lighting Technology	LED	Color Designation	Warm White (WW)
Flux measurement reference	Sphere	Correlated Color Temperature (Nom)	2700 K
Value ladder	Performance	Luminous Efficacy (rated) (Nom)	189 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
<b>Operating and Electrical</b>	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	28.5 W
Lamp Current (Nom)	125 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
<b>Temperature</b>	
Ambient temperature range	-20 to +45 °C
T-Case Maximum (Nom)	42.03 °C
<b>Controls and Dimming</b>	
Dimmable	No

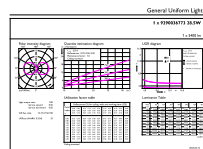
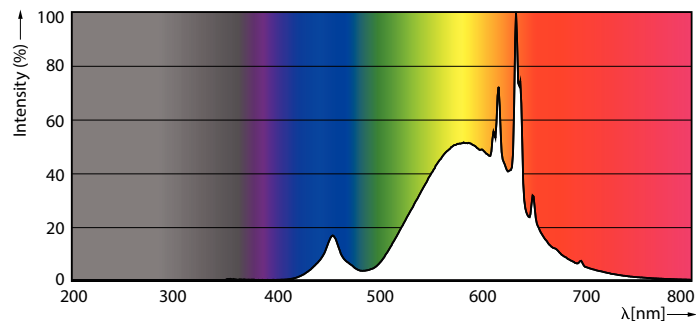
<b>Mechanical and Housing</b>	
Bulb Finish	Clear
Bulb Shape	T46 [T 46mm]
<b>Approval and Application</b>	
Energy Consumption kWh/1000 h	29 kWh
<b>Product Data</b>	
Full product code	872016924033900
Order product name	MAS LED SON-T UE M 5.4Klm 28.5W 727 E27
Order code	929003677302
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	929003677302
Full product name	MAS LED SON-T UE M 5.4Klm 28.5W 727 E27
EAN/UPC - Case	8720169240346
EAN/UPC - Product/Case	8720169240339

## Dimensional drawing



Product	D	C
MAS LED SON-T UE M 5.4Klm 28.5W 727 E27	47 mm	237 mm

## Photometric data

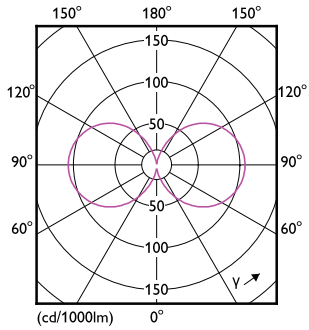


Spectral Power Distribution Colour - MAS LED SON-T UE M 5.4Klm 28.5W 727 E27

General uniform lighting - MAS LED SON-T UE M 5.4Klm 28.5W 727 E27

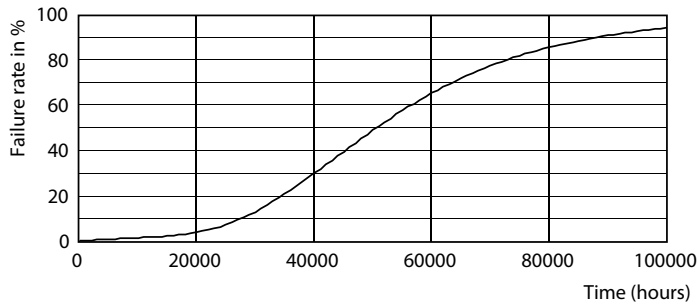
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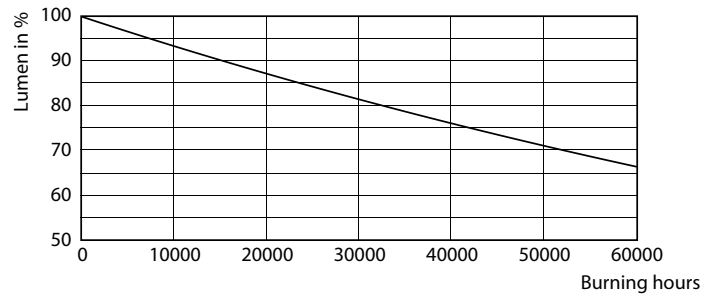


Light Distribution Diagram - MAS LED SON-T UE M 5.4Klm 28.5W 727 E27

## Lifetime



Life Expectancy Diagram - MAS LED SON-T UE M 5.4Klm 28.5W 727 E27



Lumen Maintenance Diagram - MAS LED SON-T UE M 5.4Klm 28.5W 727 E27

