PHILIPS Lighting



B A G

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

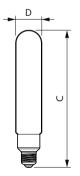
General Information		Luminous Flux	5,400 lm
Cap-Base	E27	Color Designation	Warm White (WW)
Nominal lifetime	50,000 hour(s)	Correlated Color Temperature (Nom)	2700 K
Switching Cycle	50,000	Luminous Efficacy (rated) (Nom)	189 lm/W
Lighting Technology	LED	Color Consistency	<6
Flux measurement reference	Sphere	Color rendering index (CRI)	70
Value ladder	Performance	LLMF At End Of Nominal Lifetime (Nom)	70 %
		Photobiological safety according to EN 62471	RG1
Light Technical			
Color Code	727 [CCT of 2700K]	Operating and Electrical	
Beam Angle (Nom)	300 degree(s)	Line Frequency	50 to 60 Hz

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Input Frequency	50 to 60 Hz	Bulb Shape
Power Consumption	28.5 W	Net Weight (F
Lamp Current (Nom)	125 mA	
Starting Time (Nom)	0.5 s	Approval a
Warm-up time to 60% light	0.5 s	Energy Efficie
Power Factor (Fraction)	0.9	Energy Consu
Voltage (Nom)	220-240 V	EPREL Regist
Ballast Compatibility	Mains	CE mark
Inrush current at mains	29.7	EU RoHS com
Max. lamp no. on MCB B type 10A - Mains	7	Flickering val
Max. lamp no. on MCB B type 10A - EM ballast	_	EN 61000-3-
without Compensation Capacitor.		Stroboscopic
Max. lamp no. on MCB B type 10A - EM ballast	_	Ambient tem
with Compensation Capacitor.		
Max. lamp no. on MCB B type 16A - Mains	12	Product Da
Max. lamp no. on MCB B type 16A - EM ballast	-	Order produc
without Compensation Capacitor.		
Max. lamp no. on MCB B type 16A - EM ballast	-	Full product r
with Compensation Capacitor.		
		Full product of
Temperature		Order code
T-Case Maximum (Nom)	42.03 °C	Material Nr. (
		Numerator -
Controls and Dimming		EAN/UPC - P
Dimmable	No	Numerator - I
		EAN/UPC - C
Mechanical and Housing		
Bulb Finish	Clear	

Bulb Shape	T46
Net Weight (Piece)	0.158 kg
Approval and Application	
Energy Efficiency Class	В
Energy Consumption kWh/1000 h	29 kWh
EPREL Registration Number	2096241
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM) - Flickering value as per	1
EN 61000-3-3	
Stroboscopic effect visibility measure (SVM)	2
Ambient temperature range	-30 to +45 °C
Product Data	
Order product name	MAS LED SON-T UE M 5.4Klm
	28.5W 727 E27
Full product name	MAS LED SON-T UE M 5.4Klm
	28.5W 727 E27
Full product code	872016924033900
Order code	929003677302
Material Nr. (12NC)	929003677302
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169240339
Numerator - Packs per outer box	6
EAN/UPC - Case	8720169240346

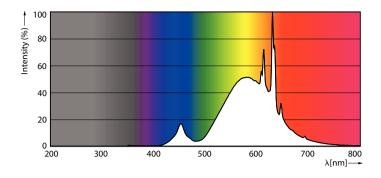
Dimensional drawing



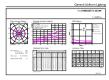
Product	D	с
MAS LED SON-T UE M 5.4Klm 28.5W 727 E27	47 mm	227 mm

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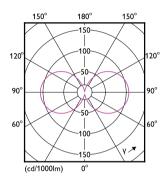
Photometric data



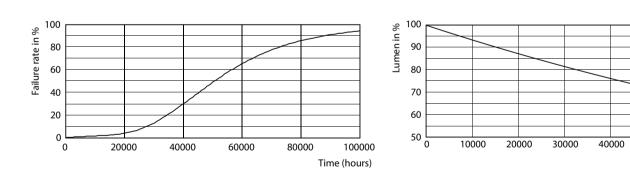
Spectral Power Distribution Colour - MAS LED SON-T UE M 5.4Klm 28.5W



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



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



Lifetime

727 E27

Life Expectancy Diagram

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

50000

60000

Burning hours

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