



MASTER - LED HID SON-T - Ultra Efficient

MAS LED SON-T UE M 8Klm 42.8W 727 E40

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

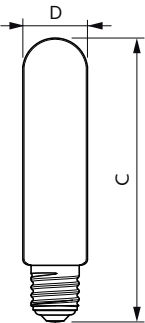
General Information		Light Technical	
Cap-Base	E40 [E40]	Color Code	727 [CCT of 2700K]
Nominal lifetime	50,000 hour(s)	Beam Angle (Nom)	300 degree(s)
Switching Cycle	50,000	Luminous Flux	8,000 lumen
Lighting Technology	LED	Color Designation	Warm White (WW)
Flux measurement reference	Sphere	Correlated Color Temperature (Nom)	2700 K
Value ladder	Performance	Luminous Efficacy (rated) (Nom)	186 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	42.8 W
Lamp Current (Nom)	188 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)	44.02 °C
Controls and Dimming	
Dimmable	No

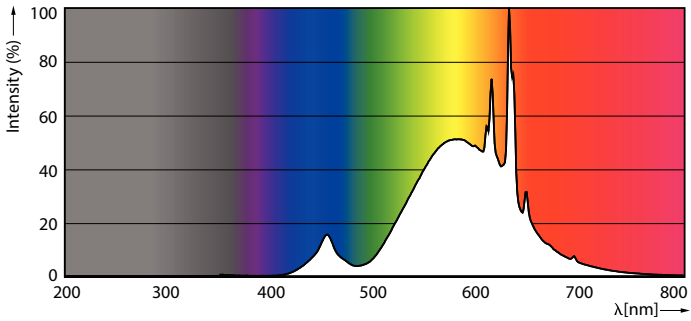
Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	T52 [T 52mm]
Approval and Application	
Energy Consumption kWh/1000 h	43 kWh
Product Data	
Full product code	872016924037700
Order product name	MAS LED SON-T UE M 8Klm 42.8W 727 E40
Order code	929003677502
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	929003677502
Full product name	MAS LED SON-T UE M 8Klm 42.8W 727 E40
EAN/UPC - Case	8720169240384
EAN/UPC - Product/Case	8720169240377

Dimensional drawing

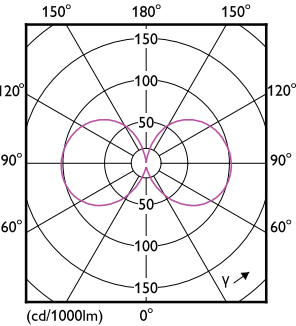


Product	D	C
MAS LED SON-T UE M 8Klm 42.8W 727 E40	53 mm	236 mm

Photometric data



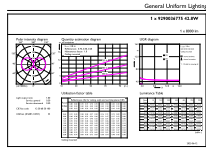
Spectral Power Distribution Colour - MAS LED SON-T UE M 8Klm 42.8W 727 E40



Light Distribution Diagram - MAS LED SON-T UE M 8Klm 42.8W 727 E40

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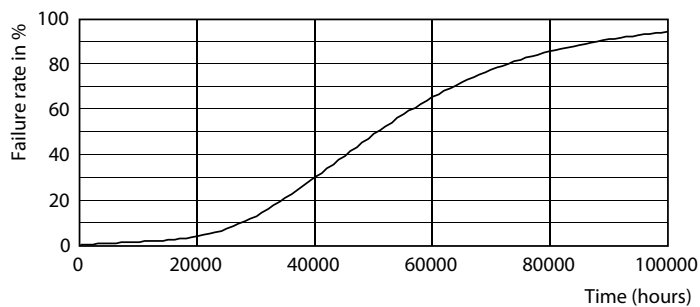
Photometric data



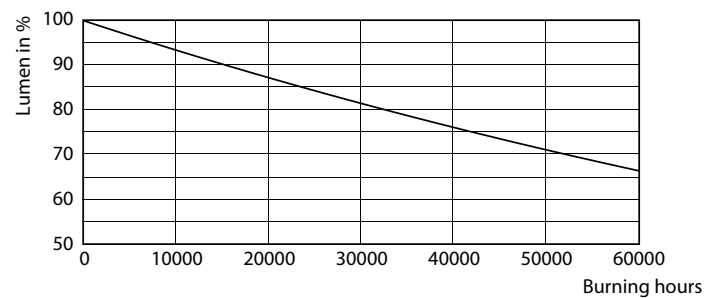
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General uniform lighting - MAS LED SON-T UE M 8Klm 42.8W 727 E40

Lifetime



Life Expectancy Diagram - MAS LED SON-T UE M 8Klm 42.8W 727 E40



Lumen Maintenance Diagram - MAS LED SON-T UE M 8Klm 42.8W 727 E40

