



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	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 lm
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 %

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Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
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Stroboscopic effect visibility measure (SVM)	2
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Photobiological safety according to EN 62471	RG1
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Operating and Electrical

Line Frequency	50 to 60 Hz
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Input Frequency	50 to 60 Hz
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Power Consumption	42.8 W
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Lamp Current (Nom)	188 mA
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Starting Time (Nom)	0.5 s
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Warm-up time to 60% light	0.5 s
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Power Factor (Fraction)	0.9
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Voltage (Nom)	220-240 V
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Voltage (Nom)	220 V
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Inrush current at mains	29
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Max. lamp no. on MCB B type 10A - Mains	6
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Max. lamp no. on MCB B type 10A – EM ballast without Comp. Cap.	-
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Max. lamp no. on MCB B type 10A – EM ballast with Comp. Cap.	-
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Max. lamp no. on MCB B type 16A - Mains	9
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Max. lamp no. on MCB B type 16A – EM ballast without Comp. Cap.	-
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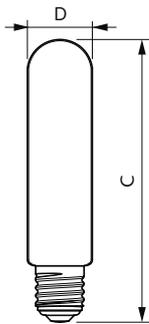
Max. lamp no. on MCB B type 16A – EM ballast with Comp. Cap.	-
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Ballast Compatibility	Mains
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Temperature

Ambient temperature range	-30 to +45 °C
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Dimensional drawing



T-Case Maximum (Nom)	44.02 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Clear
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Bulb Shape	T52
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Approval and Application

Energy Efficiency Class	B
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Energy Consumption kWh/1000 h	43 kWh
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EPREL Registration Number	1593368
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Product Data

Order product name	MAS LED SON-T UE M 8Klm 42.8W 727 E40
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Full product name	MAS LED SON-T UE M 8Klm 42.8W 727 E40
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Full product code	872016924037700
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Order code	929003677502
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Material Nr. (12NC)	929003677502
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Numerator - Quantity Per Pack	1
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EAN/UPC - Product/Case	8720169240377
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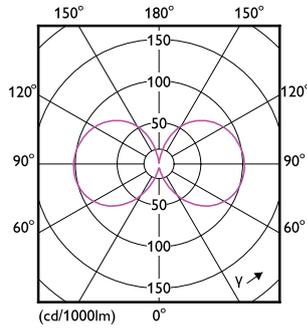
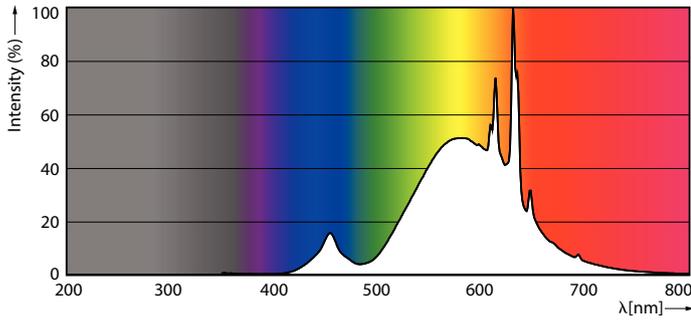
Numerator - Packs per outer box	6
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EAN/UPC - Case	8720169240384
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Product	D	C
MAS LED SON-T UE M 8Klm 42.8W 727 E40	53 mm	236 mm

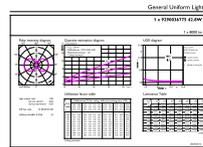
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Photometric data



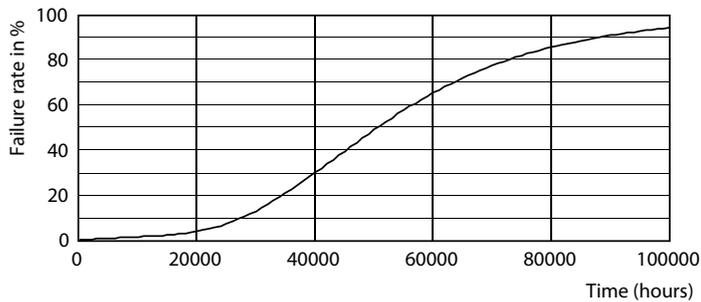
Spectral Power Distribution Colour - MAS LED SON-T UE M 8Klm 42.8W 727 E40

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

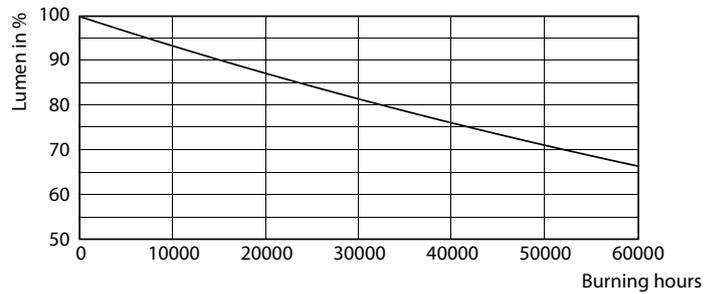


General uniform lighting - MAS LED SON-T UE M 8Klm 42.8W 727 E40

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

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