



MASTER - LED HID SON-T - Ultra Efficient



MAS LED SON-T UE M 6Klm 28.5W 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	
Cap-Base	E27
Nominal lifetime	50,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
Value ladder	Performance
Light Technical	
Color Code	740 [CCT of 4000K]
Beam Angle (Nom)	300 degree(s)

Luminous Flux	6,000 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	210 lm/W
Color Consistency	<6
Color rendering index (CRI)	70
LLMF At End Of Nominal Lifetime (Nom)	70 %
Photobiological safety according to EN 62471	RG1
Operating and Electrical	
Input Frequency	50 to 60 Hz

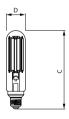
Datasheet, 2025, April 4 data subject to change

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D	20.5.W
Power Consumption	28.5 W
Lamp Current (Nom)	130 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
Inrush current at mains	24.6
Max. lamp no. on MCB B type 10A - Mains	8
Max. lamp no. on MCB B type 10A – EM ballast	-
without Compensation Capacitor.	
Max. lamp no. on MCB B type 10A – EM ballast	-
with Compensation Capacitor.	
Max. lamp no. on MCB B type 16A - Mains	14
Max. lamp no. on MCB B type 16A – EM ballast	-
without Compensation Capacitor.	
Max. lamp no. on MCB B type 16A – EM ballast	-
with Compensation Capacitor.	
Ballast Compatibility	Mains
Temperature	
T-Case Maximum (Nom)	48.21 °C
- In the second	
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Clear
	T46
Bulb Shape	
Net Weight (Piece)	0.122 kg

Approval and Application		
Energy Efficiency Class	A	
Energy Consumption kWh/1000 h	29 kWh	
EPREL Registration Number	2096238	
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	
Application Conditions		
can it be used in closed luminaires	Yes	
Product Data		
Order product name	MAS LED SON-T UE M 6Klm 28.5W	
	740 E27	
Full product name	MAS LED SON-T UE M 6Klm 28.5W	
	740 E27	
Full product code	872016937425600	
Order code	929003677432	
Material Nr. (12NC)	929003677432	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8720169374256	
Numerator - Packs per outer box	6	
EAN/UPC - Case	8720169374263	

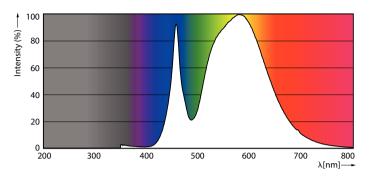
Dimensional drawing

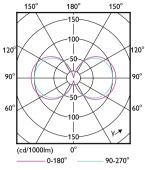


Product	D	С
MAS LED SON-T UE M 6Klm 28.5W 740 E27	47 mm	194 mm

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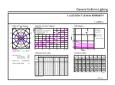
Photometric data





Spectral Power Distribution Colour - MAS LED SON-T UE M 6Klm 28.5W 740 E27

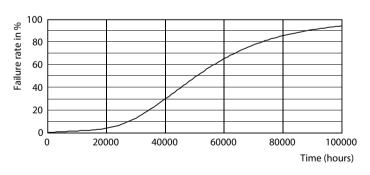
Light Distribution Diagram - MAS LED SON-T UE M 6Klm 28.5W 740 E27

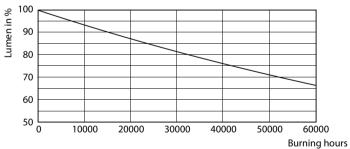


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General uniform lighting - MAS LED SON-T UE M 6Klm 28.5W 740 E27

Lifetime





Life Expectancy Diagram

Lumen Maintenance Diagram - MAS LED SON-T UE M 6Klm 28.5W 740 E27

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