



MASTER - LED HID SON-T - Ultra Efficient



MAS LED SON-T UE M 9Klm 42.8W 740 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		
Cap-Base	E40 [E40]	
Nominal lifetime	50,000 hour(s)	
Switching Cycle	50,000	
Lighting Technology	LED	
Flux measurement reference	Sphere	
Value ladder	Performance	
CE mark	Yes	
EU RoHS compliant	Yes	

Light Technical	
Color Code	740 [CCT of 4000K]
Beam Angle (Nom)	300 degree(s)
Luminous Flux	9,000 lumen
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 %
Flickering value (PstLM)	1

Datasheet, 2023, September 26 data subject to change

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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)	48.3 °C		
Controls and Dimming			
Dimmable	No		
Mechanical and Housing			
Bulb Finish	Clear		

Bulb Shape	T52 [T 52mm]
Approval and Application	
Energy Efficiency Class	А
Energy Consumption kWh/1000 h	43 kWh
EPREL Registration Number	1552689
Product Data	
Full product code	872016924039100
Order product name	MAS LED SON-T UE M 9Klm 42.8W 740
	E40
Order code	929003677602
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	929003677602
Full product name	MAS LED SON-T UE M 9Klm 42.8W 740
	E40
EAN/UPC - Case	8720169240407
EAN/UPC - Product/Case	8720169240391

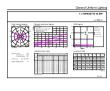
Dimensional drawing



Product	D	С
MAS LED SON-T UE M 9Klm 42.8W 740 E40	53 mm	236 mm

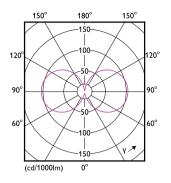
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Photometric data

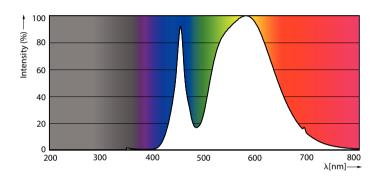


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General uniform lighting - MAS LED SON-T UE M 9Klm 42.8W 740 E40

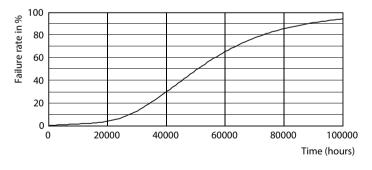


Light Distribution Diagram - MAS LED SON-T UE M 9Klm 42.8W 740 E40



Spectral Power Distribution Colour - MAS LED SON-T UE M 9Klm 42.8W 740 E40

Lifetime



% 100 90 80 70 60 50 0 10000 20000 30000 40000 50000 60000 Burning hours

Life Expectancy Diagram - MAS LED SON-T UE M 9 Klm 42.8 W 740 E40

Lumen Maintenance Diagram - MAS LED SON-T UE M 9Klm 42.8W 740 E40

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