



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
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	9,000 lm
Luminous Efficacy (rated) (Nom)	210 lm/W
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Color Consistency	<6
Color rendering index (CRI)	70
LLMF At End Of Nominal Lifetime (Nom)	70 %
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
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
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
Inrush current at mains	29
Max. lamp no. on MCB B type 10A - Mains	6
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	9
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

Ambient temperature range	-30 to +45 °C
T-Case Maximum (Nom)	48.3 °C

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Clear
Bulb Shape	T52

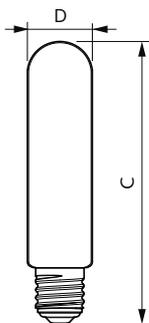
Approval and Application

Energy Efficiency Class	A
Energy Consumption kWh/1000 h	43 kWh
EPREL Registration Number	1552689
CE mark	Yes
EU RoHS compliant	Yes

Product Data

Order product name	MAS LED SON-T UE M 9Klm 42.8W 740 E40
Full product name	MAS LED SON-T UE M 9Klm 42.8W 740 E40
Full product code	872016924039100
Order code	929003677602
Material Nr. (12NC)	929003677602
Numerator - Quantity Per Pack	1
Net Weight (Piece)	0.195 kg
EAN/UPC - Product/Case	8720169240391
Numerator - Packs per outer box	6
EAN/UPC - Case	8720169240407

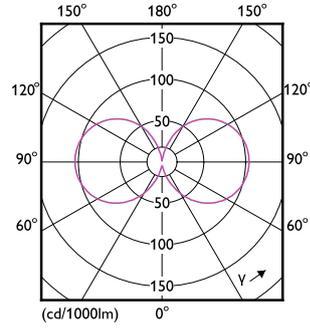
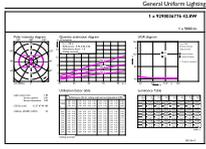
Dimensional drawing



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

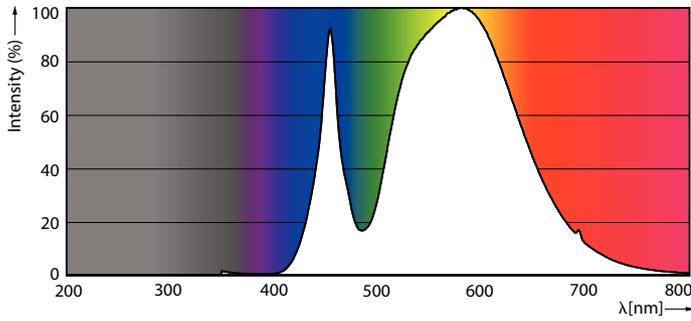
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Photometric data



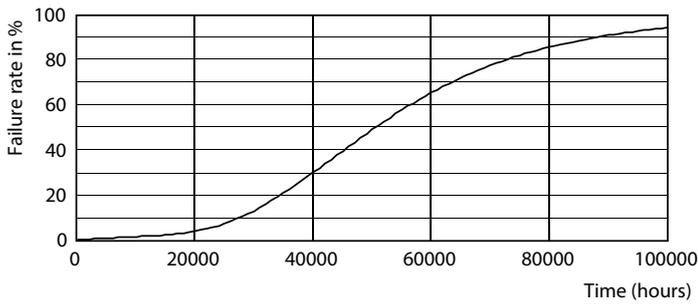
General uniform lighting - MAS LED SON-T UE M 9Klm 42.8W 740 E40

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

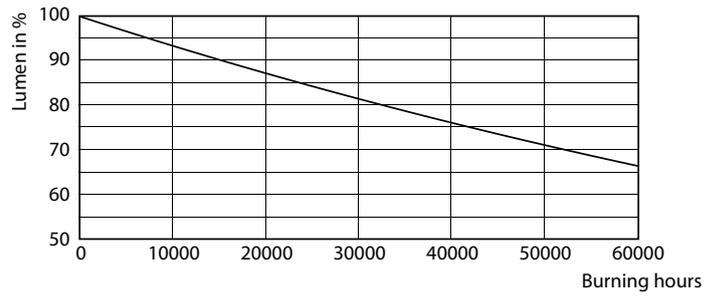


Spectral Power Distribution Colour - MAS LED SON-T UE M 9Klm 42.8W 740 E40

Lifetime



Life Expectancy Diagram



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

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