



MASTER - LED HID SON-T



MAS LED SON-T EM 12Klm 65W 740 E40

Philips MASTER - LED HID SON-T lamps are an easy LED solution with a short payback period to replace High-Intensity Discharge (HID) and High-Pressure Sodium (SON) lamps. MASTER – LED HID SON-T solutions bring the energy efficiency and long lifetime benefits of LED to HID replacement, providing instant savings for a low initial investment. With the right lamp size and light distribution, you can easily retrofit MASTER – LED HID SON-T lamps into existing SON and SON-T systems, enhancing the lighting quality with LED without changing the luminaire's ballast (for IF replacements) or reflector.

Warnings and Safety

- Please refer to the installation guide or consult a Philips Lighting representative for the wiring diagram and instructions.

Product data

General Information		Color Consistency	
Cap-Base	E40 [E40]	Color rendering index (CRI)	<6
Nominal lifetime	70,000 hour(s)	LLMF At End Of Nominal Lifetime (Nom)	70 %
Switching Cycle	50,000	Flickering value (PstLM)	1
Lighting Technology	LED	Stroboscopic effect value (SVM)	2.5
Flux measurement reference	Sphere	Photobiological safety according to EN 62471	RG1
EU RoHS compliant	Yes	Operating and Electrical	
Light Technical		Line Frequency	50 to 60 Hz
Color Code	740 [CCT of 4000K]	Input Frequency	50 to 60 Hz
Luminous Flux	12,000 lumen	Power Consumption	65 W
Color Designation	Cool White (CW)	Wattage Equivalent	150 W
Correlated Color Temperature (Nom)	4000 K	Starting Time (Nom)	0.5 s
Luminous Efficacy (rated) (Nom)	184 lm/W	Warm-up time to 60% light	0.5 s

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Power Factor (Fraction)	0.9
Voltage (Nom)	120-240 V

Temperature

Ambient temperature range	-40 °C to 55 °C
T-Case Maximum (Nom)	55 °C

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Clear
Bulb Material	Glass
Bulb Shape	T70 [T 70mm]

Approval and Application

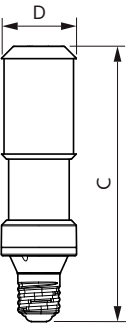
Energy Efficiency Class	C
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Energy Consumption kWh/1000 h	65 kWh
EPREL Registration Number	1077808

Product Data

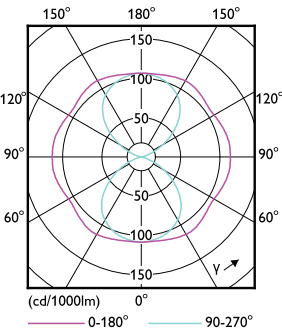
Full product code	871951444923700
Order product name	MAS LED SON-T EM 12Klm 65W 740 E40
Order code	929003468818
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	929003468818
Full product name	MAS LED SON-T EM 12Klm 65W 740 E40
EAN/UPC - Case	8719514449244
EAN/UPC - Product/Case	8719514449237

Dimensional drawing

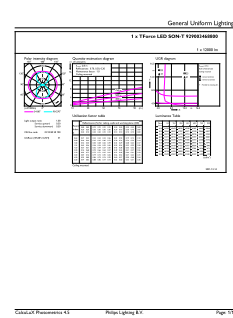


Product	D	C
MAS LED SON-T EM 12Klm 65W 740 E40	71 mm	262 mm

Photometric data



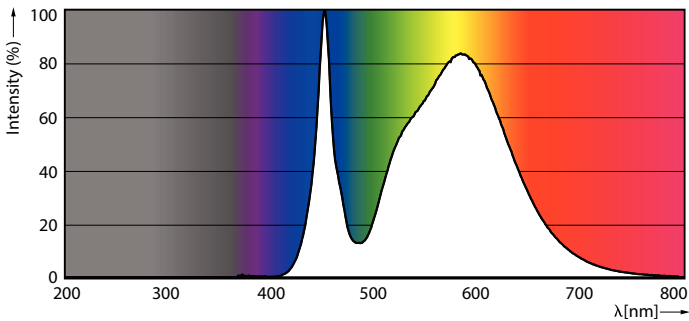
Light Distribution Diagram



General uniform lighting - MAS LED SON-T EM 12Klm 65W 740 E40

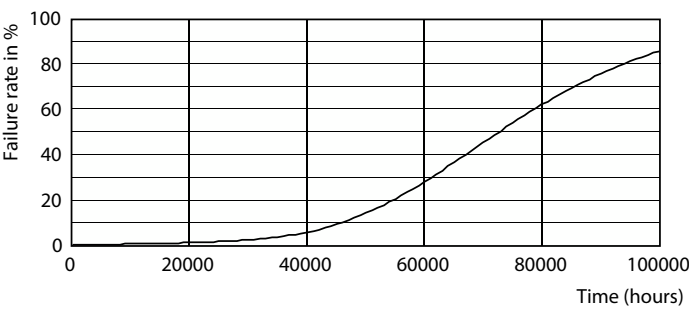
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Photometric data

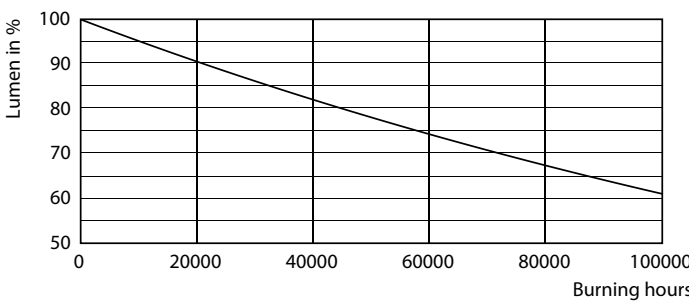


Spectral Power Distribution Colour

Lifetime



Life Expectancy Diagram - MAS LED SON-T EM 12Klm 65W 740 E40



Lumen Maintenance Diagram - MAS LED SON-T EM 12Klm 65W 740 E40

