



# MASTER - LED HID SON-T



## MAS LED SON-T IF 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	Color Consistency	<6
Nominal lifetime	70,000 hour(s)	Color rendering index (CRI)	70
Switching Cycle	50,000	LLMF At End Of Nominal Lifetime (Nom)	70 %
Lighting Technology	LED	Photobiological safety according to EN 62471	RG1
Flux measurement reference	Sphere	Operating and Electrical	
EU RoHS compliant	Yes	Line Frequency	50 Hz
Light Technical		Input Frequency	50 Hz
Color Code	740 [CCT of 4000K]	Power Consumption	65 W
Luminous Flux	12,000 lm	Lamp Current (Nom)	1,760 mA
Color Designation	Cool White (CW)	Starting Time (Nom)	0.5 s
Correlated Color Temperature (Nom)	4000 K	Warm-up time to 60% light	0.5 s
Luminous Efficacy (rated) (Nom)	184 lm/W	Power Factor (Fraction)	-
		Voltage (Nom)	80-90 V

# MASTER - LED HID SON-T

Inrush current at mains	-
Max. lamp no. on MCB B type 10A - Mains	-
Max. lamp no. on MCB B type 10A – EM ballast without Comp. Cap.	4
Max. lamp no. on MCB B type 10A – EM ballast with Comp. Cap.	8
Max. lamp no. on MCB B type 16A - Mains	-
Max. lamp no. on MCB B type 16A – EM ballast without Comp. Cap.	6
Max. lamp no. on MCB B type 16A – EM ballast with Comp. Cap.	12

## Temperature

Ambient temperature range	-30 to +45 °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
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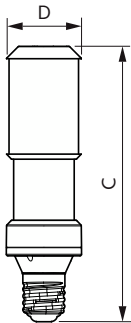
## Approval and Application

Energy Efficiency Class	C
Energy Consumption kWh/1000 h	65 kWh
EPREL Registration Number	1077791

## Product Data

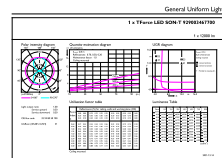
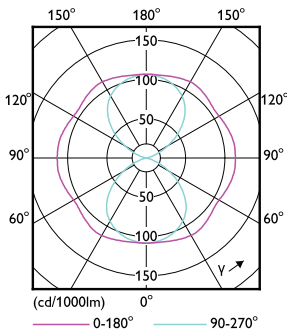
Order product name	MAS LED SON-T IF 12Klm 65W 740 E40
Full product name	MAS LED SON-T IF 12Klm 65W 740 E40
Full product code	871951444901500
Order code	929003467712
Material Nr. (12NC)	929003467712
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514449015
Numerator - Packs per outer box	6
EAN/UPC - Case	8719514449022

## Dimensional drawing



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

## Photometric data

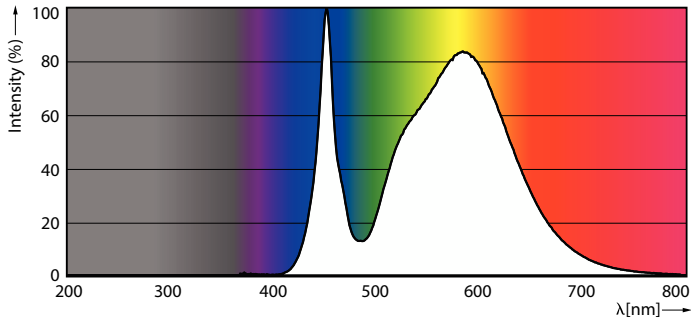


Light Distribution Diagram - MAS LED SON-T IF 12Klm 65W 740 E40

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

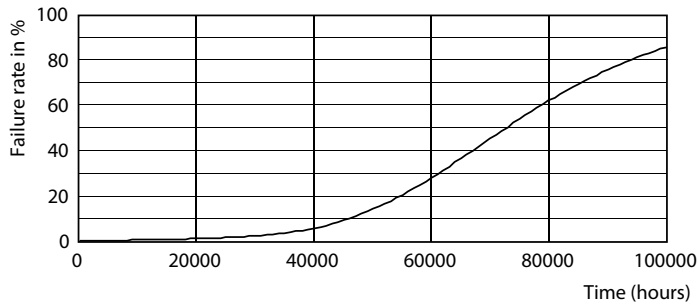
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## Photometric data

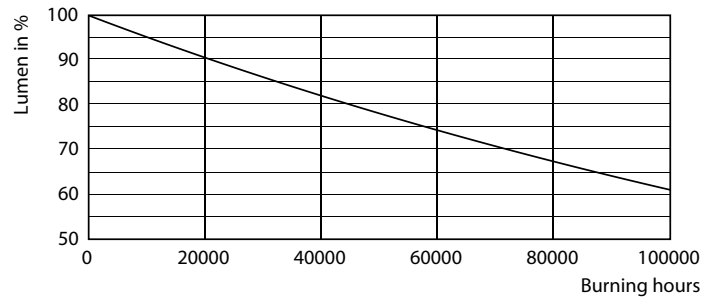


Spectral Power Distribution Colour - MAS LED SON-T IF 12Klm 65W 740 E40

## Lifetime



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



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

