# Lighting

**PHILIPS** 



## MASTER - LED HID SON-T

### MAS LED SON-T IF 9Klm 50W 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	
Cap-Base	E40 [E40]
Nominal lifetime	70,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
EU RoHS compliant	Yes
Light Technical	
Color Code	740 [CCT of 4000K]
Luminous Flux	9,000 lumen
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	180 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	
Line Frequency	50 Hz
Input Frequency	50 Hz
Power Consumption	50 W
Lamp Current (Nom)	1,060 mA
Wattage Equivalent	100 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s

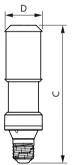
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#### **MASTER - LED HID SON-T**

Voltage (Nom)	85-95 V	
Temperature		
Ambient temperature range	-40 °C to 55 °C	
T-Case Maximum (Nom)	52 °C	
Controls and Dimming		
Dimmable	No	
Mechanical and Housing		
Bulb Finish	Clear	
Bulb Material	Glass	
Bulb Shape	T70 [T 70mm]	
Approval and Application		
Energy Efficiency Class	С	

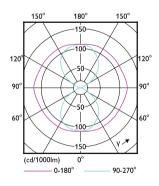
Energy Consumption kWh/1000 h	50 kWh
EPREL Registration Number	1077806
Product Data	
Full product code	871951444897100
Order product name	MAS LED SON-T IF 9Klm 50W 740 E40
Order code	929003467512
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	929003467512
Full product name	MAS LED SON-T IF 9Klm 50W 740 E40
EAN/UPC - Case	8719514448988
EAN/UPC - Product/Case	8719514448971

#### Dimensional drawing



#### Product D с MAS LED SON-T IF 9Klm 50W 740 E40 71 mm 262 mm

#### Photometric data



Light Distribution Diagram

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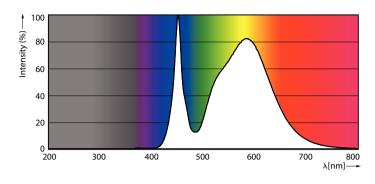
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General uniform lighting - MAS LED SON-T IF 9Klm 50W 740 E40

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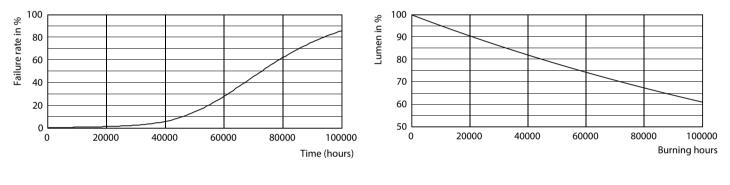
#### **MASTER - LED HID SON-T**

Photometric data



Spectral Power Distribution Colour

#### Lifetime



Life Expectancy Diagram - MAS LED SON-T IF 9Klm 50W 740 E40

Lumen Maintenance Diagram - MAS LED SON-T IF 9Klm 50W 740 E40



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