Lighting

PHILIPS



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		
Cap-Base	E40	
Nominal lifetime	70,000 hour(s)	
Switching Cycle	50,000	
Lighting Technology	LED	
Flux measurement reference	Sphere	
Light Technical		
Color Code	740 [CCT of 4000K]	
Luminous Flux	12,000 lm	
Color Designation	Cool White (CW)	
Correlated Color Temperature (Nom)	4000 K	
Luminous Efficacy (rated) (Nom)	184 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	65 W
Lamp Current (Nom)	1,760 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	-
Voltage (Nom)	80-90 V
Ballast Compatibility	EM

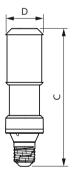


MASTER - LED HID SON-T

Inrush current at mains	-
Max. lamp no. on MCB B type 10A - Mains	-
Max. lamp no. on MCB B type 10A – EM ballast	4
without Compensation Capacitor.	
Max. lamp no. on MCB B type 10A – EM ballast	8
with Compensation Capacitor.	
Max. lamp no. on MCB B type 16A - Mains	-
Max. lamp no. on MCB B type 16A – EM ballast	6
without Compensation Capacitor.	
Max. lamp no. on MCB B type 16A – EM ballast	12
with Compensation Capacitor.	
Temperature	
T-Case Maximum (Nom)	55 ℃
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Clear
Bulb Material	Glass
Bulb Shape	T70
Net Weight (Piece)	0.490 kg

Approval and Application	
Energy Efficiency Class	C
Energy Consumption kWh/1000 h	65 kWh
EPREL Registration Number	1077791
CE mark	Yes
EU RoHS compliant	Yes
Ambient temperature range	-30 to +45 °C
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

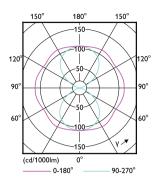
Dimensional drawing



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

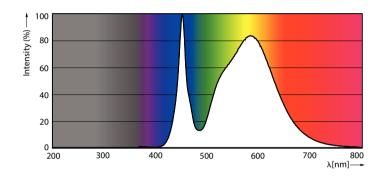
MASTER - LED HID SON-T

Photometric data



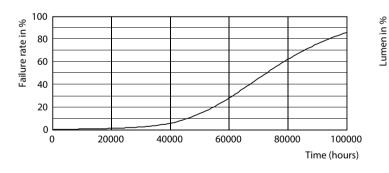
	1×16	arce LED SON-T \$21083457780
		1 x 12000 km
	An office of the second	US Agen
United and the second s		

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



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

Lifetime



Life Expectancy Diagram

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

40000

60000

80000

100000

Burning hours

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

100

90

80 70

60 50

0

20000

MASTER - LED HID SON-T



© 2025 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2025, March 18 - data subject to change