



The best LED replacement for HID and SON road lamps with MASTER - LED HID SON-T

MASTER - LED HID SON-T

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.

Benefits

- Cost-saving lamps with short payback time
- Low initial investment
- Easy way to enhance lighting quality

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Features

- High Energy efficient lamps
- Long lifetime - 70,000 hrs
- Surge protection 6KV
- Pleasant white light with CRI 70
- Direct lamp replacement solution without changing the fixture or gear for IF solution
- Right size and light distribution for retrofit
- IP40 product (IP rated sockets required for outdoor application)

Application

- Road and Street
- Tunnel
- Parking Garages

Warnings and Safety

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

Versions

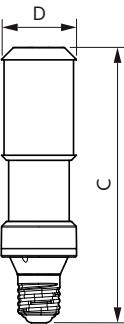


LEDTrueForce E40 55W



LED Trueforce LED Road 58-35W
E27 others Clear 730 ND

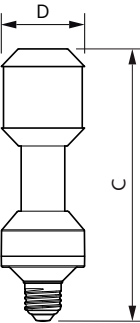
Dimensional drawing



Product	D	C
MAS LED SON-T EM 10.8Klm 65W 727 E40	71 mm	262 mm
MAS LED SON-T EM 12Klm 65W 740 E40	71 mm	262 mm
MAS LED SON-T EM 8.1Klm 50W 727 E40	71 mm	262 mm
MAS LED SON-T EM 9Klm 50W 740 E40	71 mm	262 mm
MAS LED SON-T IF 10.8Klm 65W 727 E40	71 mm	262 mm
MAS LED SON-T IF 12Klm 65W 740 E40	71 mm	262 mm
MAS LED SON-T IF 8.1Klm 50W 727 E40	71 mm	262 mm
MAS LED SON-T IF 9Klm 50W 740 E40	71 mm	262 mm

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Dimensional drawing



Product	D	C
MAS LED SON-T EM 3.6Klm 23W 727 E27	61 mm	200 mm
MAS LED SON-T EM 4Klm 23W 740 E27	61 mm	200 mm
MAS LED SON-T EM 5.4Klm 34W 727 E27	61 mm	200 mm
MAS LED SON-T EM 6Klm 34W 740 E27	61 mm	200 mm
MAS LED SON-T IF 3.6Klm 23W 727 E27	61 mm	200 mm
MAS LED SON-T IF 4Klm 23W 740 E27	61 mm	200 mm
MAS LED SON-T IF 5.4Klm 34W 727 E27	61 mm	200 mm
MAS LED SON-T IF 6Klm 34W 740 E27	61 mm	200 mm

General Information	
Switching Cycle	50,000
Nominal lifetime	70,000 hour(s)
Light Technical	
Color rendering index (CRI)	70
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Starting Time (Nom)	0.5 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Clear
Approval and Application	
Ambient temperature range	-30 to +45 °C

Order Code	Full Product Name	Cap-Base
929003467012	MAS LED SON-T IF 3.6Klm 23W 727 E27	E27
929003467112	MAS LED SON-T IF 4Klm 23W 740 E27	E27
929003467412	MAS LED SON-T IF 8.1Klm 50W 727 E40	E40
929003467512	MAS LED SON-T IF 9Klm 50W 740 E40	E40
929003468418	MAS LED SON-T EM 8.1Klm 50W 727 E40	E40
929003468518	MAS LED SON-T EM 9Klm 50W 740 E40	E40
929003467212	MAS LED SON-T IF 5.4Klm 34W 727 E27	E27
929003467312	MAS LED SON-T IF 6Klm 34W 740 E27	E27
929003467818	MAS LED SON-T EM 3.6Klm 23W 727 E27	E27
929003467918	MAS LED SON-T EM 4Klm 23W 740 E27	E27
929003468118	MAS LED SON-T EM 5.4Klm 34W 727 E27	E27
929003468218	MAS LED SON-T EM 6Klm 34W 740 E27	E27
929003467612	MAS LED SON-T IF 10.8Klm 65W 727 E40	E40
929003467712	MAS LED SON-T IF 12Klm 65W 740 E40	E40
929003468718	MAS LED SON-T EM 10.8Klm 65W 727 E40	E40
929003468818	MAS LED SON-T EM 12Klm 65W 740 E40	E40

Light Technical

Order Code	Full Product Name	Correlated Color		
		Temperature (Nom)	Color Code	Luminous Flux
929003467012	MAS LED SON-T IF 3.6Klm 23W 727 E27	2700 K	727	3,600 lm
929003467112	MAS LED SON-T IF 4Klm 23W 740 E27	4000 K	740	4,000 lm
929003467412	MAS LED SON-T IF 8.1Klm 50W 727 E40	2700 K	727	8,100 lm
929003467512	MAS LED SON-T IF 9Klm 50W 740 E40	4000 K	740	9,000 lm
929003468418	MAS LED SON-T EM 8.1Klm 50W 727 E40	2700 K	727	8,100 lm
929003468518	MAS LED SON-T EM 9Klm 50W 740 E40	4000 K	740	9,000 lm

Order Code	Full Product Name	Correlated Color		
		Temperature (Nom)	Color Code	Luminous Flux
929003467212	MAS LED SON-T IF 5.4Klm 34W 727 E27	2700 K	727	5,400 lm
929003467312	MAS LED SON-T IF 6Klm 34W 740 E27	4000 K	740	6,000 lm
929003467818	MAS LED SON-T EM 3.6Klm 23W 727 E27	2700 K	727	3,600 lm
929003467918	MAS LED SON-T EM 4Klm 23W 740 E27	4000 K	740	4,000 lm
929003468118	MAS LED SON-T EM 5.4Klm 34W 727 E27	2700 K	727	5,400 lm
929003468218	MAS LED SON-T EM 6Klm 34W 740 E27	4000 K	740	6,000 lm

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Order Code	Full Product Name	Correlated Color		
		Temperature (Nom)	Color Code	Luminous Flux
929003467612	MAS LED SON-T IF 10.8Klm 65W 727 E40	2700 K	727	10,800 lm
929003467712	MAS LED SON-T IF 12Klm 65W 740 E40	4000 K	740	12,000 lm

Operating and Electrical

Order Code	Full Product Name	Input	Line	Power
		Frequency	Frequency	Consumption
929003467012	MAS LED SON-T IF 3.6Klm 23W 727 E27	50 Hz	50 Hz	23 W
929003467112	MAS LED SON-T IF 4Klm 23W 740 E27	50 Hz	50 Hz	23 W
929003467412	MAS LED SON-T IF 8.1Klm 50W 727 E40	50 Hz	50 Hz	50 W
929003467512	MAS LED SON-T IF 9Klm 50W 740 E40	50 Hz	50 Hz	50 W
929003468418	MAS LED SON-T EM 8.1Klm 50W 727 E40	50 to 60 Hz	50 to 60 Hz	50 W
929003468518	MAS LED SON-T EM 9Klm 50W 740 E40	50 to 60 Hz	50 to 60 Hz	50 W
929003467212	MAS LED SON-T IF 5.4Klm 34W 727 E27	50 Hz	50 Hz	34 W
929003467312	MAS LED SON-T IF 6Klm 34W 740 E27	50 Hz	50 Hz	34 W
929003467818	MAS LED SON-T EM 3.6Klm 23W 727 E27	50 to 60 Hz	50 to 60 Hz	23 W

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929003467012	MAS LED SON-T IF 3.6Klm 23W 727 E27	46 °C
929003467112	MAS LED SON-T IF 4Klm 23W 740 E27	46 °C
929003467412	MAS LED SON-T IF 8.1Klm 50W 727 E40	52 °C
929003467512	MAS LED SON-T IF 9Klm 50W 740 E40	52 °C
929003468418	MAS LED SON-T EM 8.1Klm 50W 727 E40	52 °C
929003468518	MAS LED SON-T EM 9Klm 50W 740 E40	52 °C
929003467212	MAS LED SON-T IF 5.4Klm 34W 727 E27	59 °C
929003467312	MAS LED SON-T IF 6Klm 34W 740 E27	59 °C

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
929003467012	MAS LED SON-T IF 3.6Klm 23W 727 E27	T60
929003467112	MAS LED SON-T IF 4Klm 23W 740 E27	T60
929003467412	MAS LED SON-T IF 8.1Klm 50W 727 E40	T70
929003467512	MAS LED SON-T IF 9Klm 50W 740 E40	T70
929003468418	MAS LED SON-T EM 8.1Klm 50W 727 E40	T70
929003468518	MAS LED SON-T EM 9Klm 50W 740 E40	T70

Order Code	Full Product Name	Correlated Color		
		Temperature (Nom)	Color Code	Luminous Flux
929003468718	MAS LED SON-T EM 10.8Klm 65W 727 E40	2700 K	727	10,800 lm
929003468818	MAS LED SON-T EM 12Klm 65W 740 E40	4000 K	740	12,000 lm

Order Code	Full Product Name	Input	Line	Power
		Frequency	Frequency	Consumption
929003467918	MAS LED SON-T EM 4Klm 23W 740 E27	50 to 60 Hz	50 to 60 Hz	23 W
929003468118	MAS LED SON-T EM 5.4Klm 34W 727 E27	50 to 60 Hz	50 to 60 Hz	34 W
929003468218	MAS LED SON-T EM 6Klm 34W 740 E27	50 to 60 Hz	50 to 60 Hz	34 W
929003467612	MAS LED SON-T IF 10.8Klm 65W 727 E40	50 Hz	50 Hz	65 W
929003467712	MAS LED SON-T IF 12Klm 65W 740 E40	50 Hz	50 Hz	65 W
929003468718	MAS LED SON-T EM 10.8Klm 65W 727 E40	50 to 60 Hz	50 to 60 Hz	65 W
929003468818	MAS LED SON-T EM 12Klm 65W 740 E40	50 to 60 Hz	50 to 60 Hz	65 W

Order Code	Full Product Name	T-Case Maximum (Nom)
929003467818	MAS LED SON-T EM 3.6Klm 23W 727 E27	46 °C
929003467918	MAS LED SON-T EM 4Klm 23W 740 E27	46 °C
929003468118	MAS LED SON-T EM 5.4Klm 34W 727 E27	59 °C
929003468218	MAS LED SON-T EM 6Klm 34W 740 E27	59 °C
929003467612	MAS LED SON-T IF 10.8Klm 65W 727 E40	55 °C
929003467712	MAS LED SON-T IF 12Klm 65W 740 E40	55 °C
929003468718	MAS LED SON-T EM 10.8Klm 65W 727 E40	55 °C
929003468818	MAS LED SON-T EM 12Klm 65W 740 E40	55 °C

Order Code	Full Product Name	Bulb Shape
929003467212	MAS LED SON-T IF 5.4Klm 34W 727 E27	T60
929003467312	MAS LED SON-T IF 6Klm 34W 740 E27	T60
929003467818	MAS LED SON-T EM 3.6Klm 23W 727 E27	T60
929003467918	MAS LED SON-T EM 4Klm 23W 740 E27	T60
929003468118	MAS LED SON-T EM 5.4Klm 34W 727 E27	T60
929003468218	MAS LED SON-T EM 6Klm 34W 740 E27	T60

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Order Code	Full Product Name	Bulb Shape
929003467612	MAS LED SON-T IF 10.8Klm 65W 727 E40	T70
929003467712	MAS LED SON-T IF 12Klm 65W 740 E40	T70

Order Code	Full Product Name	Bulb Shape
929003468718	MAS LED SON-T EM 10.8Klm 65W 727 E40	T70
929003468818	MAS LED SON-T EM 12Klm 65W 740 E40	T70

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/ 1000 h
929003467012	MAS LED SON-T IF 3.6Klm 23W 727 E27	23 kWh
929003467112	MAS LED SON-T IF 4Klm 23W 740 E27	23 kWh
929003467412	MAS LED SON-T IF 8.1Klm 50W 727 E40	50 kWh
929003467512	MAS LED SON-T IF 9Klm 50W 740 E40	50 kWh
929003468418	MAS LED SON-T EM 8.1Klm 50W 727 E40	50 kWh
929003468518	MAS LED SON-T EM 9Klm 50W 740 E40	50 kWh
929003467212	MAS LED SON-T IF 5.4Klm 34W 727 E27	34 kWh
929003467312	MAS LED SON-T IF 6Klm 34W 740 E27	34 kWh
929003467818	MAS LED SON-T EM 3.6Klm 23W 727 E27	23 kWh
929003467918	MAS LED SON-T EM 4Klm 23W 740 E27	23 kWh
929003468118	MAS LED SON-T EM 5.4Klm 34W 727 E27	34 kWh
929003468218	MAS LED SON-T EM 6Klm 34W 740 E27	34 kWh
929003467612	MAS LED SON-T IF 10.8Klm 65W 727 E40	65 kWh
929003467712	MAS LED SON-T IF 12Klm 65W 740 E40	65 kWh
929003468718	MAS LED SON-T EM 10.8Klm 65W 727 E40	65 kWh
929003468818	MAS LED SON-T EM 12Klm 65W 740 E40	65 kWh

