



The Highest Energy efficient LED replacement for HID HPL/SON road lamps with MASTER - LED HID SON-T - UE

MASTER - LED HID SON-T - Ultra Efficient

Philips MASTER - LED HID SON-T Ultra Efficient lamps are an easy LED solution with the highest efficiency to replace High-Intensity Discharge (HID) and High-Pressure Sodium (SON) lamps. MASTER - LED HID SON-T UE solutions bring the energy efficiency and long lifetime benefits of LED to HID replacement, providing instant savings for low energy costs. With the right lamp size and light distribution, you can easily use MASTER - LED HID SON-T UE lamps into existing SON and SON-T systems, enhancing the lighting quality with LED by removing the luminaire's ballast for direct Mains working, gaining additional savings.

Benefits

- Additional costs savings by Mains wiring
- >60% cost savings
- 50K hrs lifetime

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Features

- Highest Energy efficient lamps >210lm/W
- Long lifetime – 50,000 hrs
- Surge protection 4KV
- Pleasant white light with CRI 70
- Omnidirectional light around lamp
- Right lamp size and lighting distribution for direct retrofit
- Additional Energy saving by Direct Mains connection
- IP65 product (IP rated sockets required for outdoor application)

Application

- Road & streets
- Parks
- Urban

Warnings and Safety

- Installation should always be performed by a qualified electrician or installer. Use the installation guide for instructions.

Versions



Product standard image



Product standard image



Product standard image



LEDTForce MAS SONT EU1



Product standard image



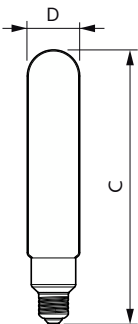
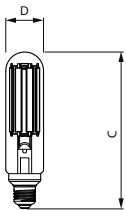
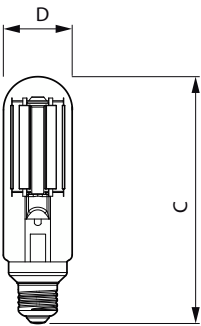
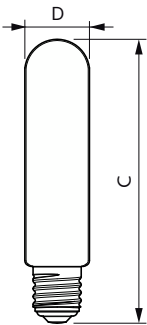
Product standard image



LEDTForce MAS SONT EU1

MASTER - LED HID SON-T - Ultra Efficient

Dimensional drawing



Product	D	C
MAS LED SON-T UE M 8Klm 42.8W 727 E40	53 mm	236 mm
MAS LED SON-T UE M 9Klm 42.8W 740 E40	53 mm	236 mm

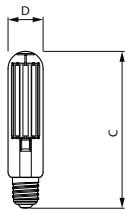
Product	D	C
MAS LED SON-T UE M 3.6Klm 19W 727 E27	47 mm	174 mm
MAS LED SON-T UE M 4Klm 19W 740 E27	47 mm	174 mm

Product	D	C
MAS LED SON-T UE M 5.4Klm 28.5W 727 E27	47 mm	194 mm
MAS LED SON-T UE M 6Klm 28.5W 740 E27	47 mm	194 mm

Product	D	C
MAS LED SON-T UE M 3.6Klm 19W 727 E27	47 mm	227 mm
MAS LED SON-T UE M 4Klm 19W 740 E27	47 mm	227 mm
MAS LED SON-T UE M 5.4Klm 28.5W 727 E27	47 mm	227 mm
MAS LED SON-T UE M 6Klm 28.5W 740 E27	47 mm	227 mm

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Dimensional drawing



Product	D	C
MAS LED SON-T UE M 8Klm 42.8W 727 E40	53 mm	236 mm
MAS LED SON-T UE M 9Klm 42.8W 740 E40	53 mm	236 mm

General Information	
Switching Cycle	50,000
Nominal lifetime	50,000 hour(s)
Light Technical	
Beam Angle (Nom)	300 degree(s)
Color rendering index (CRI)	70
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz
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

General Information

Order Code	Full Product Name	Cap-Base
37425600	MAS LED SON-T UE M 6Klm 28.5W 740 E27	E27
24039100	MAS LED SON-T UE M 9Klm 42.8W 740 E40	E40
37423200	MAS LED SON-T UE M 5.4Klm 28.5W 727 E27	E27
24033900	MAS LED SON-T UE M 5.4Klm 28.5W 727 E27	E27
24035300	MAS LED SON-T UE M 6Klm 28.5W 740 E27	E27
24029200	MAS LED SON-T UE M 3.6Klm 19W 727 E27	E27
24031500	MAS LED SON-T UE M 4Klm 19W 740 E27	E27
37419500	MAS LED SON-T UE M 3.6Klm 19W 727 E27	E27
37421800	MAS LED SON-T UE M 4Klm 19W 740 E27	E27
24037700	MAS LED SON-T UE M 8Klm 42.8W 727 E40	E40

Light Technical

Order Code	Full Product Name	Correlated Color		
		Temperature (Nom)	Color Code	Luminous Flux
37425600	MAS LED SON-T UE M 6Klm 28.5W 740 E27	4000 K	740	6,000 lm
24039100	MAS LED SON-T UE M 9Klm 42.8W 740 E40	4000 K	740	9,000 lm
37423200	MAS LED SON-T UE M 5.4Klm 28.5W 727 E27	2700 K	727	5,400 lm
24033900	MAS LED SON-T UE M 5.4Klm 28.5W 727 E27	2700 K	727	5,400 lm
24035300	MAS LED SON-T UE M 6Klm 28.5W 740 E27	4000 K	740	6,000 lm

Order Code	Full Product Name	Correlated Color		
		Temperature (Nom)	Color Code	Luminous Flux
24029200	MAS LED SON-T UE M 3.6Klm 19W 727 E27	2700 K	727	3,600 lm
24031500	MAS LED SON-T UE M 4Klm 19W 740 E27	4000 K	740	4,000 lm
37419500	MAS LED SON-T UE M 3.6Klm 19W 727 E27	2700 K	727	3,600 lm
37421800	MAS LED SON-T UE M 4Klm 19W 740 E27	4000 K	740	4,000 lm
24037700	MAS LED SON-T UE M 8Klm 42.8W 727 E40	2700 K	727	8,000 lm

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Operating and Electrical

Order Code	Full Product Name	Line Frequency	Power
			Consumption
37425600	MAS LED SON-T UE M 6Klm 28.5W 740 E27	-	28.5 W
24039100	MAS LED SON-T UE M 9Klm 42.8W 740 E40	50 to 60 Hz	42.8 W
37423200	MAS LED SON-T UE M 5.4Klm 28.5W 727 E27	-	28.5 W
24033900	MAS LED SON-T UE M 5.4Klm 28.5W 727 E27	50 to 60 Hz	28.5 W
24035300	MAS LED SON-T UE M 6Klm 28.5W 740 E27	50 to 60 Hz	28.5 W

Order Code	Full Product Name	Line Frequency	Power
			Consumption
24029200	MAS LED SON-T UE M 3.6Klm 19W 727 E27	50 to 60 Hz	19 W
24031500	MAS LED SON-T UE M 4Klm 19W 740 E27	50 to 60 Hz	19 W
37419500	MAS LED SON-T UE M 3.6Klm 19W 727 E27	-	19 W
37421800	MAS LED SON-T UE M 4Klm 19W 740 E27	-	19 W
24037700	MAS LED SON-T UE M 8Klm 42.8W 727 E40	50 to 60 Hz	42.8 W

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
37425600	MAS LED SON-T UE M 6Klm 28.5W 740 E27	48.21 °C
24039100	MAS LED SON-T UE M 9Klm 42.8W 740 E40	49.79 °C
37423200	MAS LED SON-T UE M 5.4Klm 28.5W 727 E27	48.21 °C
24033900	MAS LED SON-T UE M 5.4Klm 28.5W 727 E27	42.03 °C
24035300	MAS LED SON-T UE M 6Klm 28.5W 740 E27	41.51 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
24029200	MAS LED SON-T UE M 3.6Klm 19W 727 E27	39.56 °C
24031500	MAS LED SON-T UE M 4Klm 19W 740 E27	39.56 °C
37419500	MAS LED SON-T UE M 3.6Klm 19W 727 E27	40.46 °C
37421800	MAS LED SON-T UE M 4Klm 19W 740 E27	40.46 °C
24037700	MAS LED SON-T UE M 8Klm 42.8W 727 E40	49.79 °C

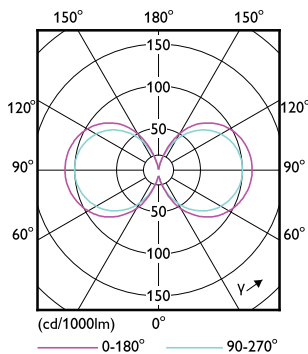
Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
37425600	MAS LED SON-T UE M 6Klm 28.5W 740 E27	T46
24039100	MAS LED SON-T UE M 9Klm 42.8W 740 E40	T52
37423200	MAS LED SON-T UE M 5.4Klm 28.5W 727 E27	T46
24033900	MAS LED SON-T UE M 5.4Klm 28.5W 727 E27	T46
24035300	MAS LED SON-T UE M 6Klm 28.5W 740 E27	T46

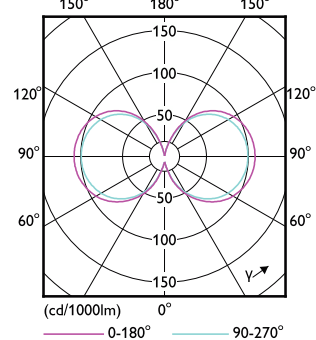
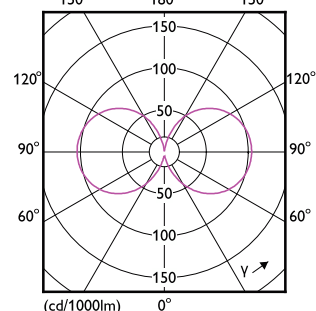
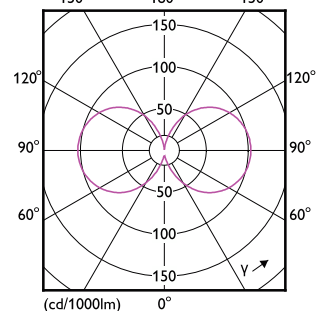
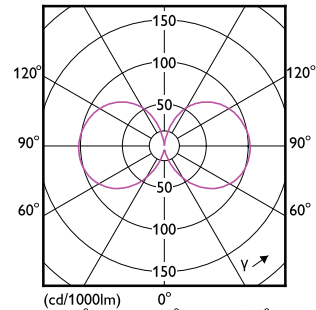
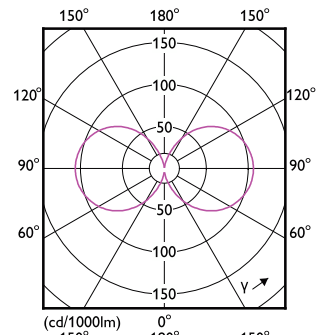
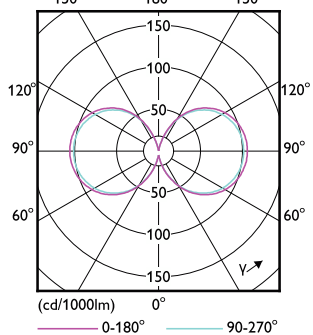
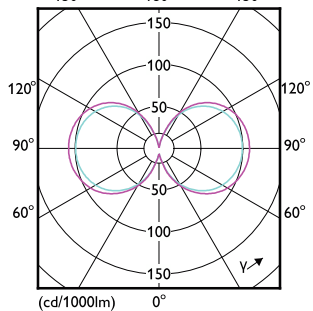
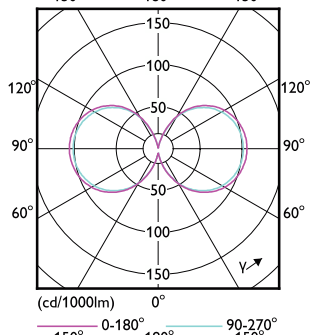
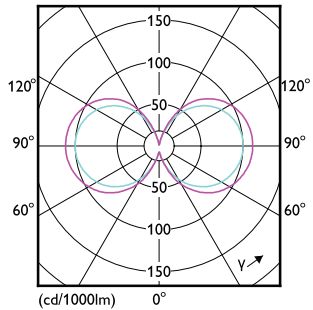
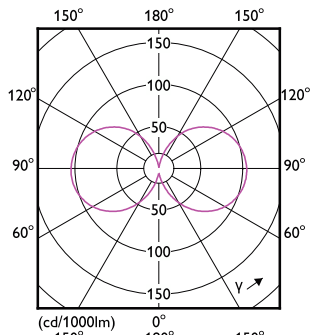
Order Code	Full Product Name	Bulb Shape
24029200	MAS LED SON-T UE M 3.6Klm 19W 727 E27	T46
24031500	MAS LED SON-T UE M 4Klm 19W 740 E27	T46
37419500	MAS LED SON-T UE M 3.6Klm 19W 727 E27	T46
37421800	MAS LED SON-T UE M 4Klm 19W 740 E27	T46
24037700	MAS LED SON-T UE M 8Klm 42.8W 727 E40	T52

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/
		1000 h
37425600	MAS LED SON-T UE M 6Klm 28.5W 740 E27	29 kWh
24039100	MAS LED SON-T UE M 9Klm 42.8W 740 E40	43 kWh
37423200	MAS LED SON-T UE M 5.4Klm 28.5W 727 E27	29 kWh
24033900	MAS LED SON-T UE M 5.4Klm 28.5W 727 E27	29 kWh
24035300	MAS LED SON-T UE M 6Klm 28.5W 740 E27	29 kWh
24029200	MAS LED SON-T UE M 3.6Klm 19W 727 E27	19 kWh
24031500	MAS LED SON-T UE M 4Klm 19W 740 E27	19 kWh
37419500	MAS LED SON-T UE M 3.6Klm 19W 727 E27	19 kWh
37421800	MAS LED SON-T UE M 4Klm 19W 740 E27	19 kWh
24037700	MAS LED SON-T UE M 8Klm 42.8W 727 E40	43 kWh



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