



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

Features

- High energy efficiency
- Long lifetime of 50,000 hours
- Right size and light distribution for retrofits
- Direct LED replacement, no need to change the luminaire
- Pleasant white light with CRI70
- Surge protection 6KV

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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

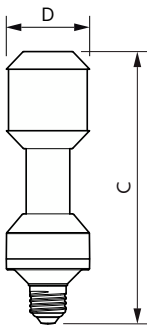
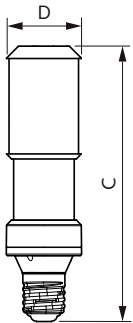


Trueforce LED E27



LEDTrueForce E40 68W

Dimensional drawing



Product	D	C
TForce LED Road 112-68W E40 730	71 mm	262 mm
TForce LED Road 120-68W E40 740	71 mm	262 mm
TForce LED Road 55W E40 740 MV	71 mm	262 mm
TForce LED Road 84-55W E40 730	71 mm	262 mm
TForce LED Road 90-55W E40 740	71 mm	262 mm

Product	D	C
TForce LED Road 35W E27 730 MV	61 mm	200 mm
TForce LED Road 40-25W E27 730	61 mm	200 mm
TForce LED Road 42-25W E27 740	61 mm	200 mm
TForce LED Road 60-35W E27 740	61 mm	200 mm

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General Information	
Switching Cycle	50,000
Nominal lifetime	50,000 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
Bulb Shape	Others

General Information

Order Code	Full Product Name	Cap-Base
929001999402	TForce LED Road 40-25W E27 730	E27
929001999502	TForce LED Road 42-25W E27 740	E27
929002007402	TForce LED Road 84-55W E40 730	E40
929002007502	TForce LED Road 90-55W E40 740	E40
929002068708	TForce LED Road 55W E40 740 MV	E40
929001898502	TForce LED Road 60-35W E27 740	E27
929002221708	TForce LED Road 35W E27 730 MV	E27
929002007602	TForce LED Road 112-68W E40 730	E40
929002007702	TForce LED Road 120-68W E40 740	E40

Light Technical

Order Code	Full Product Name	Correlated Color		Luminous Flux
		Temperature (Nom)	Color Code	
929001999402	TForce LED Road 40-25W E27 730	3000 K	730	4,000 lumen
929001999502	TForce LED Road 42-25W E27 740	4000 K	740	4,200 lumen
929002007402	TForce LED Road 84-55W E40 730	3000 K	730	8,400 lumen
929002007502	TForce LED Road 90-55W E40 740	4000 K	740	9,000 lumen
929002068708	TForce LED Road 55W E40 740 MV	4000 K	740	9,000 lumen

Order Code	Full Product Name	Correlated Color		Luminous Flux
		Temperature (Nom)	Color Code	
929001898502	TForce LED Road 60-35W E27 740	4000 K	740	6,000 lumen
929002221708	TForce LED Road 35W E27 730 MV	3000 K	730	5,500 lumen
929002007602	TForce LED Road 112-68W E40 730	3000 K	730	11,200 lumen
929002007702	TForce LED Road 120-68W E40 740	4000 K	740	12,000 lumen

Operating and Electrical

Order Code	Full Product Name	Input Frequency	Line Frequency	Power Consumption	Wattage Equivalent
929001999402	TForce LED Road 40-25W E27 730	50 Hz	50 Hz	25 W	50 W
929001999502	TForce LED Road 42-25W E27 740	50 Hz	50 Hz	25 W	50 W
929002007402	TForce LED Road 84-55W E40 730	50 Hz	50 Hz	55 W	100 W

Order Code	Full Product Name	Input Frequency	Line Frequency	Power Consumption	Wattage Equivalent
929002007502	TForce LED Road 90-55W E40 740	50 Hz	50 Hz	55 W	100 W
929002068708	TForce LED Road 55W E40 740 MV	50 to 60 Hz	50 to 60 Hz	55 W	100 W
929001898502	TForce LED Road 60-35W E27 740	50 Hz	50 Hz	35 W	70 W

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Order Code	Full Product Name	Input Frequency	Line Frequency	Power Consumption	Wattage Equivalent
929002221708	TForce LED Road 35W E27 730 MV	50 to 60 Hz	50 to 60 Hz	35 W	70 W
929002007602	TForce LED Road	50 Hz	50 Hz	68 W	100 W

Order Code	Full Product Name	Input Frequency	Line Frequency	Power Consumption	Wattage Equivalent
	112-68W E40 730				
929002007702	TForce LED Road 120-68W E40 740	50 Hz	50 Hz	68 W	100 W

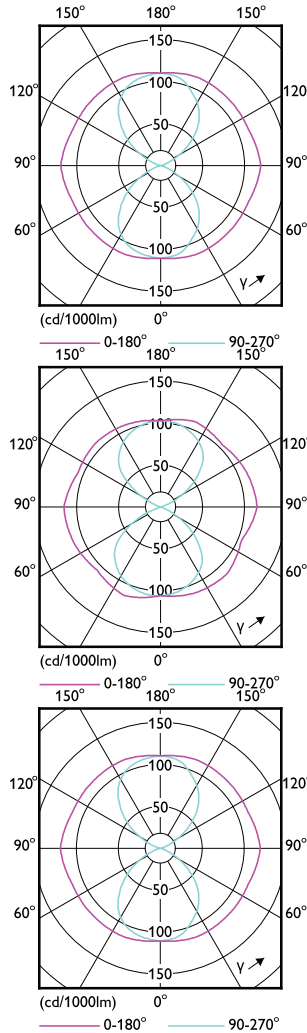
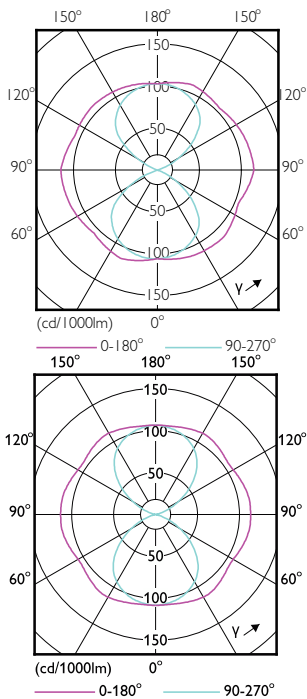
Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929001999402	TForce LED Road 40-25W E27 730	95 °C
929001999502	TForce LED Road 42-25W E27 740	95 °C
929002007402	TForce LED Road 84-55W E40 730	97 °C
929002007502	TForce LED Road 90-55W E40 740	97 °C
929002068708	TForce LED Road 55W E40 740 MV	97 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929001898502	TForce LED Road 60-35W E27 740	95 °C
929002221708	TForce LED Road 35W E27 730 MV	95 °C
929002007602	TForce LED Road 112-68W E40 730	103 °C
929002007702	TForce LED Road 120-68W E40 740	103 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929001999402	TForce LED Road 40-25W E27 730	25 kWh
929001999502	TForce LED Road 42-25W E27 740	25 kWh
929002007402	TForce LED Road 84-55W E40 730	55 kWh
929002007502	TForce LED Road 90-55W E40 740	55 kWh
929002068708	TForce LED Road 55W E40 740 MV	55 kWh
929001898502	TForce LED Road 60-35W E27 740	35 kWh
929002221708	TForce LED Road 35W E27 730 MV	35 kWh
929002007602	TForce LED Road 112-68W E40 730	68 kWh
929002007702	TForce LED Road 120-68W E40 740	68 kWh



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