



The best LED replacement for HID and SON road lamps with TrueForce LED

TrueForce LED Public (Road – SON)

Philips LED Road lamps are an easy LED solution with a short payback period to replace High-Intensity Discharge (HID) and High-Pressure Sodium (SON) lamps. TrueForce LED 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 TrueForce LED road lamps into existing SON and SON-T systems, enhancing the lighting quality with LED without changing the luminaire's ballast 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

Application

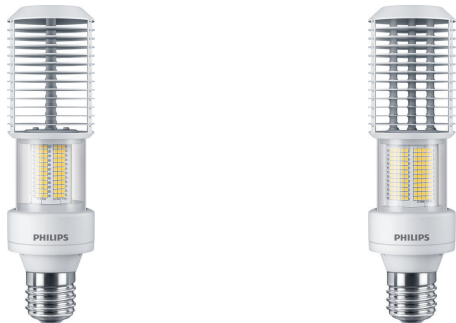
- Road and Street
- Parks

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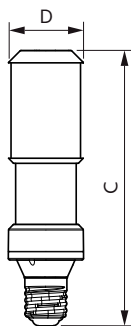
Warnings and Safety

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

Versions



Dimensional drawing



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

Controls and Dimming

Dimmable	No
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Operating and Electrical

Input Frequency	50 Hz
Wattage Equivalent	100 W
Starting Time (Nom)	0.5 s

General Information

Cap-Base	E40
Nominal Lifetime (Nom)	50000 h
Switching Cycle	50,000X

Light Technical

Colour Rendering Index (Nom)	70
LLmf At End Of Nominal Lifetime (Nom)	70 %

Mechanical and Housing

Bulb Finish	Clear
Bulb Shape	Others

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
63906800	TrueForce LED Road 90-55W E40 740	55 kWh
63908200	TrueForce LED Road 112-68W E40 730	68 kWh
63910500	TrueForce LED Road 120-68W E40 740	68 kWh

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Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Power (Nom)
63906800	TrueForce LED Road 90-55W E40 740	88-98 V	55 W
63908200	TrueForce LED Road 112-68W E40 730	80-90 V	68 W

Order Code	Full Product Name	Voltage (Nom)	Power (Nom)
63910500	TrueForce LED Road 120-68W E40 740	80-90 V	68 W

Light Technical

Order Code	Full Product Name	Colour Code	Correlated Colour Temperature (Nom)	Luminous Flux (Nom)
63906800	TrueForce LED Road 90-55W E40 740	740	4000 K	9000 lm
63908200	TrueForce LED Road 112-68W E40 730	730	3000 K	11200 lm

Order Code	Full Product Name	Colour Code	Correlated Colour Temperature (Nom)	Luminous Flux (Nom)
63910500	TrueForce LED Road 120-68W E40 740	740	4000 K	12000 lm

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
63906800	TrueForce LED Road 90-55W E40 740	97 °C
63908200	TrueForce LED Road 112-68W E40 730	103 °C
63910500	TrueForce LED Road 120-68W E40 740	103 °C

