



The best LED solution for High-Intensity Discharge (HID) lamp replacement

TrueForce LED Public (Road – SON)

Philips TrueForce LED road lamps offer an easy and short payback LED solution to replace High Intensity Discharge (HID) lamps. The products bring the energy-efficiency and long lifetime benefits of LED to HID replacement and provide instant saving and low initial investment. With the right lamp size and light distribution, you can easily retrofit TrueForce LED road lamps into the existing systems without changing the luminaire's ballast or reflector while enhancing the lighting quality.

Benefits

- Cost saving with short payback time
- Low initial investment
- Enhance lighting quality with easy adoption

Features

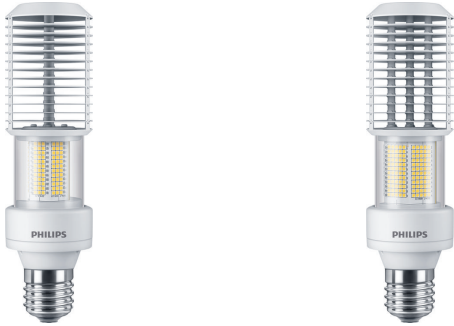
- High energy-efficiency
- Lifetime 50,000 hrs
- The right lamp size and lighting distribution for direct retrofitting
- Direct LED replacement solution without changing the luminaire
- Pleasant white light with CRI 70

Application

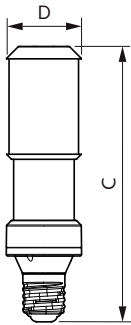
- Public urban – streets, parks, squares
- Public road/area – streets, area

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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

Approval and Application

Energy Efficiency Label (EEL) A++

Controls and Dimming

Dimmable No

Operating and Electrical

Input Frequency 50 Hz

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	61 kWh
63908200	TrueForce LED Road 112-68W E40 730	75 kWh
63910500	TrueForce LED Road 120-68W E40 740	75 kWh

Operating and Electrical

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Order Code	Full Product Name	Voltage (Nom)	Wattage Equivalent	Power (Rated) (Nom)
63906800	TrueForce LED Road 90-55W E40 740	88-98 V	100 W	55 W
63908200	TrueForce LED Road 112-68W E40 730	80-90 V	-	68 W

Order Code	Full Product Name	Voltage (Nom)	Wattage Equivalent	Power (Rated) (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

