



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

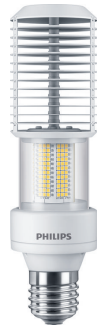
- High energy-efficiency
- Lifetime 50,000 hrs
- The right lamp size and lighting distribution for direct retrofitting
- Direct LED replacement solution without changing the luminaire
- Pleasant white light with CRI 70

Application

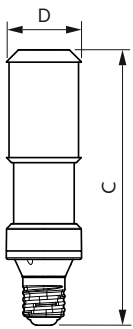
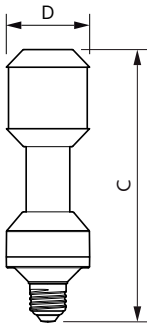
- Public urban – streets, parks, squares
- Public road/area – streets, area

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Versions



Dimensional drawing



Product	D	C
TrueForce LED Road 60-35W E27 740	61 mm	200 mm
TrueForce LED Road 40-25W E27 730	61 mm	200 mm
TrueForce LED Road 42-25W E27 740	61 mm	200 mm
TrueForce LED Road 35W E27 740 MV	61 mm	200 mm
TrueForce LED Road 35W E27 765 MV	61 mm	200 mm
TrueForce LED Road 35W E27 730 MV	61 mm	200 mm

Product	D	C
TrueForce LED Road 84-55W E40 730	71 mm	262 mm
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
TrueForce LED Road 55W E40 740 MV	71 mm	262 mm
TrueForce LED Road 55W E40 765 MV	71 mm	262 mm
TrueForce LED Road 55W E40 730 MV	71 mm	262 mm

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Approval and Application	
Energy Efficiency Label (EEL)	A++
Controls and Dimming	
Dimmable	No
Operating and Electrical	
Starting Time (Nom)	0.5 s
General Information	
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
929001898502	TrueForce LED Road 60-35W E27 740	39 kWh
929002068508	TrueForce LED Road 35W E27 740 MV	35 kWh
929002068608	TrueForce LED Road 35W E27 765 MV	35 kWh
929002221708	TrueForce LED Road 35W E27 730 MV	35 kWh
929001999402	TrueForce LED Road 40-25W E27 730	28 kWh
929001999502	TrueForce LED Road 42-25W E27 740	28 kWh
929002007402	TrueForce LED Road 84-55W E40 730	61 kWh
929002007502	TrueForce LED Road 90-55W E40 740	61 kWh
929002068708	TrueForce LED Road 55W E40 740 MV	55 kWh
929002068808	TrueForce LED Road 55W E40 765 MV	55 kWh
929002221608	TrueForce LED Road 55W E40 730 MV	55 kWh
929002007602	TrueForce LED Road 112-68W E40 730	75 kWh
929002007702	TrueForce LED Road 120-68W E40 740	75 kWh

Operating and Electrical

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Wattage Equivalent	Power (Rated) (Nom)
929001898502	TrueForce LED Road 60-35W E27 740	50 Hz	70-80 V	70 W	35 W
929002068508	TrueForce LED Road 35W E27 740 MV	50 to 60 Hz	100-277 V	70 W	35 W
929002068608	TrueForce LED Road 35W E27 765 MV	50 to 60 Hz	100-277 V	70 W	35 W
929002221708	TrueForce LED Road 35W E27 730 MV	50 to 60 Hz	100-277 V	70 W	35 W
929001999402	TrueForce LED Road 40-25W E27 730	50 Hz	50-60 V	50 W	25 W
929001999502	TrueForce LED Road 42-25W E27 740	50 Hz	50-60 V	50 W	25 W
929002007402	TrueForce LED Road 84-55W E40 730	50 Hz	88-98 V	100 W	55 W

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Wattage Equivalent	Power (Rated) (Nom)
929002007502	TrueForce LED Road 90-55W E40 740	50 Hz	88-98 V	100 W	55 W
929002068708	TrueForce LED Road 55W E40 740 MV	50 to 60 Hz	100-277 V	100 W	55 W
929002068808	TrueForce LED Road 55W E40 765 MV	50 to 60 Hz	100-277 V	100 W	55 W
929002221608	TrueForce LED Road 55W E40 730 MV	50 to 60 Hz	100-277 V	100 W	55 W
929002007602	TrueForce LED Road 112-68W E40 730	50 Hz	80-90 V	-	68 W
929002007702	TrueForce LED Road 120-68W E40 740	50 Hz	80-90 V	-	68 W

General Information

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Order Code	Full Product Name	Cap-Base
929001898502	TrueForce LED Road 60-35W E27 740	E27
929002068508	TrueForce LED Road 35W E27 740 MV	E27
929002068608	TrueForce LED Road 35W E27 765 MV	E27
929002221708	TrueForce LED Road 35W E27 730 MV	E27
929001999402	TrueForce LED Road 40-25W E27 730	E27
929001999502	TrueForce LED Road 42-25W E27 740	E27
929002007402	TrueForce LED Road 84-55W E40 730	E40

Order Code	Full Product Name	Cap-Base
929002007502	TrueForce LED Road 90-55W E40 740	E40
929002068708	TrueForce LED Road 55W E40 740 MV	E40
929002068808	TrueForce LED Road 55W E40 765 MV	E40
929002221608	TrueForce LED Road 55W E40 730 MV	E40
929002007602	TrueForce LED Road 112-68W E40 730	E40
929002007702	TrueForce LED Road 120-68W E40 740	E40

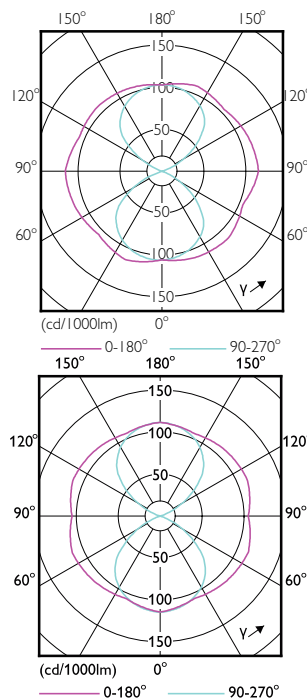
Light Technical

Order Code	Full Product Name	Correlated Colour		
		Colour Code	Temperature (Nom)	Luminous Flux (Nom)
929001898502	TrueForce LED Road 60-35W E27 740	740	4000 K	6000 lm
929002068508	TrueForce LED Road 35W E27 740 MV	740	4000 K	6000 lm
929002068608	TrueForce LED Road 35W E27 765 MV	765	6500 K	6000 lm
929002221708	TrueForce LED Road 35W E27 730 MV	730	3000 K	5500 lm
929001999402	TrueForce LED Road 40-25W E27 730	730	3000 K	4000 lm
929001999502	TrueForce LED Road 42-25W E27 740	740	4000 K	4200 lm
929002007402	TrueForce LED Road 84-55W E40 730	730	3000 K	8400 lm

Order Code	Full Product Name	Correlated Colour		
		Colour Code	Temperature (Nom)	Luminous Flux (Nom)
929002007502	TrueForce LED Road 90-55W E40 740	740	4000 K	9000 lm
929002068708	TrueForce LED Road 55W E40 740 MV	740	4000 K	9000 lm
929002068808	TrueForce LED Road 55W E40 765 MV	765	6500 K	9000 lm
929002221608	TrueForce LED Road 55W E40 730 MV	730	3000 K	8400 lm
929002007602	TrueForce LED Road 112-68W E40 730	730	3000 K	11200 lm
929002007702	TrueForce LED Road 120-68W E40 740	740	4000 K	12000 lm

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929001898502	TrueForce LED Road 60-35W E27 740	95 °C
929002068508	TrueForce LED Road 35W E27 740 MV	95 °C
929002068608	TrueForce LED Road 35W E27 765 MV	95 °C
929002221708	TrueForce LED Road 35W E27 730 MV	95 °C
929001999402	TrueForce LED Road 40-25W E27 730	95 °C
929001999502	TrueForce LED Road 42-25W E27 740	95 °C
929002007402	TrueForce LED Road 84-55W E40 730	97 °C
929002007502	TrueForce LED Road 90-55W E40 740	97 °C
929002068708	TrueForce LED Road 55W E40 740 MV	97 °C
929002068808	TrueForce LED Road 55W E40 765 MV	97 °C
929002221608	TrueForce LED Road 55W E40 730 MV	97 °C
929002007602	TrueForce LED Road 112-68W E40 730	103 °C
929002007702	TrueForce LED Road 120-68W E40 740	103 °C



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