



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 50,000hrs
- Right lamp size and lighting distribution for direct retrofit
- 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

TrueForce LED Public (Road – SON)

Versions



Trueforce E27 Others Clear



E27 Others Clear

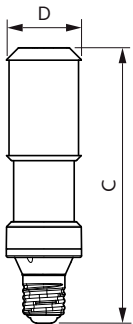
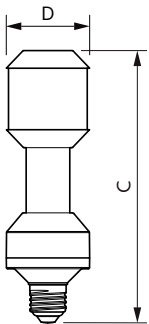


E40 Others Clear



E40 Others Clear

Dimensional drawing



Product	D	C
TForce LED Road 55-35W E27 730	61 mm	200 mm
TForce LED Road 60-35W E27 740	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

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

TrueForce LED Public (Road – SON)

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

Nominal Lifetime (Nom) 50000 h

Rated Lifetime (Hours) 50000 h

Switching Cycle 50000X

Light Technical

Color 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
929001898402	TForce LED Road 55-35W E27 730	39 kWh
929001898502	TForce LED Road 60-35W E27 740	39 kWh
929001999402	TForce LED Road 40-25W E27 730	28 kWh
929001999502	TForce LED Road 42-25W E27 740	28 kWh
929002007402	TForce LED Road 84-55W E40 730	61 kWh
929002007502	TForce LED Road 90-55W E40 740	61 kWh
929002007602	TForce LED Road 112-68W E40 730	75 kWh
929002007702	TForce LED Road 120-68W E40 740	75 kWh

Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Wattage Equivalent	Power (Rated) (Nom)
929001898402	TForce LED Road 55-35W E27 730	70-80 V	70 W	35 W
929001898502	TForce LED Road 60-35W E27 740	70-80 V	70 W	35 W
929001999402	TForce LED Road 40-25W E27 730	50-60 V	50 W	25 W
929001999502	TForce LED Road 42-25W E27 740	50-60 V	50 W	25 W

Order Code	Full Product Name	Voltage (Nom)	Wattage Equivalent	Power (Rated) (Nom)
929002007402	TForce LED Road 84-55W E40 730	88-98 V	100 W	55 W
929002007502	TForce LED Road 90-55W E40 740	88-98 V	100 W	55 W
929002007602	TForce LED Road 112-68W E40 730	80-90 V	-	68 W
929002007702	TForce LED Road 120-68W E40 740	80-90 V	-	68 W

General Information

Order Code	Full Product Name	Cap-Base
929001898402	TForce LED Road 55-35W E27 730	E27
929001898502	TForce LED Road 60-35W E27 740	E27
929001999402	TForce LED Road 40-25W E27 730	E27
929001999502	TForce LED Road 42-25W E27 740	E27

Order Code	Full Product Name	Cap-Base
929002007402	TForce LED Road 84-55W E40 730	E40
929002007502	TForce LED Road 90-55W E40 740	E40
929002007602	TForce LED Road 112-68W E40 730	E40
929002007702	TForce LED Road 120-68W E40 740	E40

Light Technical

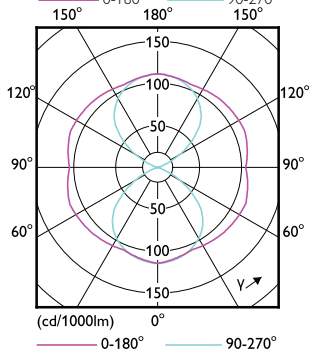
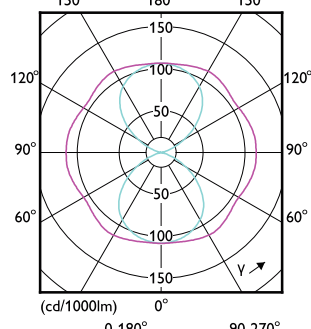
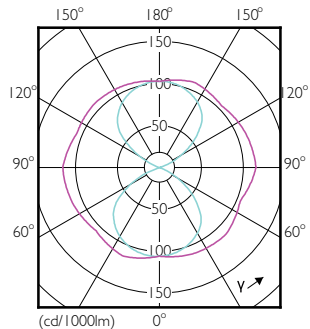
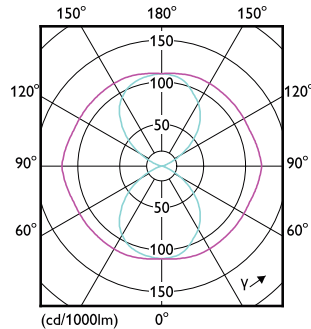
TrueForce LED Public (Road – SON)

Order Code	Full Product Name	Correlated Color		Luminous Flux (Nom)	Luminous Flux (Rated)
		Color Code	Temperature (Nom)		
929001898402	TForce LED Road 55-35W E27 730	730	3000 K	5500 lm	5500 lm
929001898502	TForce LED Road 60-35W E27 740	740	4000 K	6000 lm	6000 lm
929001999402	TForce LED Road 40-25W E27 730	730	3000 K	4000 lm	4000 lm
929001999502	TForce LED Road 42-25W E27 740	740	4000 K	4200 lm	4200 lm

Order Code	Full Product Name	Correlated Color		Luminous Flux (Nom)	Luminous Flux (Rated)
		Color Code	Temperature (Nom)		
929002007402	TForce LED Road 84-55W E40 730	730	3000 K	8400 lm	8400 lm
929002007502	TForce LED Road 90-55W E40 740	740	4000 K	9000 lm	9000 lm
929002007602	TForce LED Road 112-68W E40 730	730	3000 K	11200 lm	11200 lm
929002007702	TForce LED Road 120-68W E40 740	740	4000 K	12000 lm	12000 lm

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929001898402	TForce LED Road 55-35W E27 730	95 °C
929001898502	TForce LED Road 60-35W E27 740	95 °C
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
929002007602	TForce LED Road 112-68W E40 730	103 °C
929002007702	TForce LED Road 120-68W E40 740	103 °C



TrueForce LED Public (Road – SON)

