



# 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

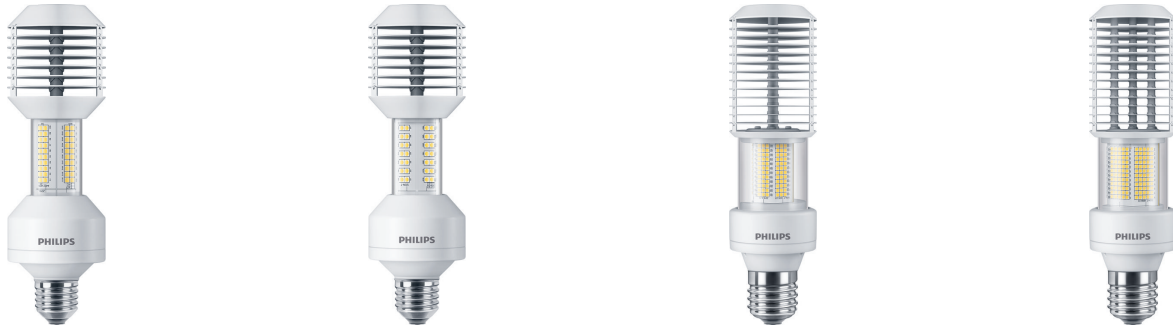
- High energy-efficiency
- Lifetime 50,000 hrs
- The right lamp size and lighting distribution for direct retrofitting
- Direct LED replacement solution without changing the luminaire
- Pleasant white light with CRI 70

### Application

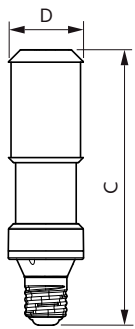
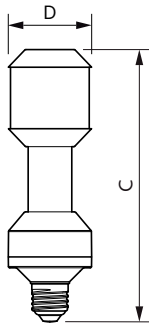
- Public urban – streets, parks, squares
- Public road/area – streets, area

# TrueForce LED Public (Road – SON)

## Versions



## Dimensional drawing



Product	D	C
TrueForce LED Road 60-35W E27 740	61 mm	200 mm
TrueForce LED Road 55-35W E27 730	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 730 MV	61 mm	200 mm
TrueForce LED Road 25W E27 740 MV	61 mm	200 mm
TrueForce LED Road 25W 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 730 MV	71 mm	262 mm
TrueForce LED Road 68W E40 765 MV	71 mm	262 mm
TrueForce LED Road 68W E40 730 MV	71 mm	262 mm
TrueForce LED Road 68W E40 740 MV	71 mm	262 mm

# TrueForce LED Public (Road – SON)

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

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
81115300	TrueForce LED Road 55-35W E27 730	35 kWh
81117700	TrueForce LED Road 60-35W E27 740	35 kWh
67485400	TrueForce LED Road 35W E27 740 MV	35 kWh
67483000	TrueForce LED Road 35W E27 730 MV	35 kWh
33157000	TrueForce LED Road 25W E27 730 MV	25 kWh
33159400	TrueForce LED Road 25W E27 740 MV	25 kWh
63251900	TrueForce LED Road 40-25W E27 730	25 kWh
63253300	TrueForce LED Road 42-25W E27 740	25 kWh
63904400	TrueForce LED Road 84-55W E40 730	55 kWh

Order Code	Full Product Name	Energy Consumption kWh/1000 h
63906800	TrueForce LED Road 90-55W E40 740	55 kWh
67479300	TrueForce LED Road 55W E40 740 MV	55 kWh
67477900	TrueForce LED Road 55W E40 730 MV	55 kWh
63908200	TrueForce LED Road 112-68W E40 730	68 kWh
63910500	TrueForce LED Road 120-68W E40 740	68 kWh
70583100	TrueForce LED Road 68W E40 730 MV	68 kWh
70585500	TrueForce LED Road 68W E40 740 MV	68 kWh
70587900	TrueForce LED Road 68W E40 765 MV	68 kWh

## Operating and Electrical

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Wattage Equivalent	Power (Rated) (Nom)
81115300	TrueForce LED Road 55-35W E27 730	50 Hz	70-80 V	70 W	35 W
81117700	TrueForce LED Road 60-35W E27 740	50 Hz	70-80 V	70 W	35 W
67485400	TrueForce LED Road 35W E27 740 MV	50 to 60 Hz	100-277 V	70 W	35 W
67483000	TrueForce LED Road 35W E27 730 MV	50 to 60 Hz	100-277 V	70 W	35 W
33157000	TrueForce LED Road 25W E27 730 MV	50 to 60 Hz	100-277 V	50 W	25 W

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Wattage Equivalent	Power (Rated) (Nom)
33159400	TrueForce LED Road 25W E27 740 MV	50 to 60 Hz	100-277 V	50 W	25 W
63251900	TrueForce LED Road 40-25W E27 730	50 Hz	50-60 V	50 W	25 W
63253300	TrueForce LED Road 42-25W E27 740	50 Hz	50-60 V	50 W	25 W
63904400	TrueForce LED Road 84-55W E40 730	50 Hz	88-98 V	100 W	55 W
63906800	TrueForce LED Road 90-55W E40 740	50 Hz	88-98 V	100 W	55 W

## TrueForce LED Public (Road – SON)

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Wattage Equivalent	Power (Rated) (Nom)
67479300	TrueForce LED Road 55W E40 740 MV	50 to 60 Hz	100-277 V	100 W	55 W
67477900	TrueForce LED Road 55W E40 730 MV	50 to 60 Hz	100-277 V	100 W	55 W
63908200	TrueForce LED Road 112-68W E40 730	50 Hz	80-90 V	-	68 W
63910500	TrueForce LED Road 120-68W E40 740	50 Hz	80-90 V	-	68 W

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Wattage Equivalent	Power (Rated) (Nom)
70583100	TrueForce LED Road 68W E40 730 MV	50 to 60 Hz	120-277 V	150 W	68 W
70585500	TrueForce LED Road 68W E40 740 MV	50 to 60 Hz	120-277 V	150 W	68 W
70587900	TrueForce LED Road 68W E40 765 MV	50 to 60 Hz	120-277 V	150 W	68 W

### General Information

Order Code	Full Product Name	Cap-Base
81115300	TrueForce LED Road 55-35W E27 730	E27
81117700	TrueForce LED Road 60-35W E27 740	E27
67485400	TrueForce LED Road 35W E27 740 MV	E27
67483000	TrueForce LED Road 35W E27 730 MV	E27
33157000	TrueForce LED Road 25W E27 730 MV	E27
33159400	TrueForce LED Road 25W E27 740 MV	E27
63251900	TrueForce LED Road 40-25W E27 730	E27
63253300	TrueForce LED Road 42-25W E27 740	E27
63904400	TrueForce LED Road 84-55W E40 730	E40

Order Code	Full Product Name	Cap-Base
63906800	TrueForce LED Road 90-55W E40 740	E40
67479300	TrueForce LED Road 55W E40 740 MV	E40
67477900	TrueForce LED Road 55W E40 730 MV	E40
63908200	TrueForce LED Road 112-68W E40 730	E40
63910500	TrueForce LED Road 120-68W E40 740	E40
70583100	TrueForce LED Road 68W E40 730 MV	E40
70585500	TrueForce LED Road 68W E40 740 MV	E40
70587900	TrueForce LED Road 68W E40 765 MV	E40

### Light Technical

Order Code	Full Product Name	Correlated Colour		
		Colour Code	Temperature (Nom)	Luminous Flux (Nom)
81115300	TrueForce LED Road 55-35W E27 730	730	3000 K	5500 lm
81117700	TrueForce LED Road 60-35W E27 740	740	4000 K	6000 lm
67485400	TrueForce LED Road 35W E27 740 MV	740	4000 K	6000 lm
67483000	TrueForce LED Road 35W E27 730 MV	730	3000 K	5500 lm
33157000	TrueForce LED Road 25W E27 730 MV	730	3000 K	4000 lm
33159400	TrueForce LED Road 25W E27 740 MV	740	4000 K	4200 lm
63251900	TrueForce LED Road 40-25W E27 730	730	3000 K	4000 lm
63253300	TrueForce LED Road 42-25W E27 740	740	4000 K	4200 lm
63904400	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)
63906800	TrueForce LED Road 90-55W E40 740	740	4000 K	9000 lm
67479300	TrueForce LED Road 55W E40 740 MV	740	4000 K	9000 lm
67477900	TrueForce LED Road 55W E40 730 MV	730	3000 K	8400 lm
63908200	TrueForce LED Road 112-68W E40 730	730	3000 K	11200 lm
63910500	TrueForce LED Road 120-68W E40 740	740	4000 K	12000 lm
70583100	TrueForce LED Road 68W E40 730 MV	730	3000 K	11200 lm
70585500	TrueForce LED Road 68W E40 740 MV	740	4000 K	12000 lm
70587900	TrueForce LED Road 68W E40 765 MV	765	6500 K	12000 lm

# TrueForce LED Public (Road – SON)

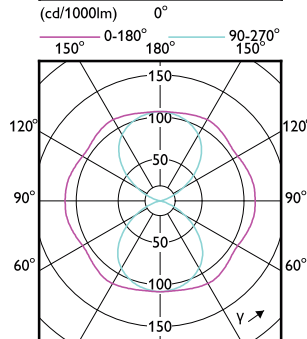
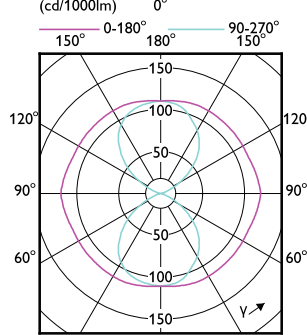
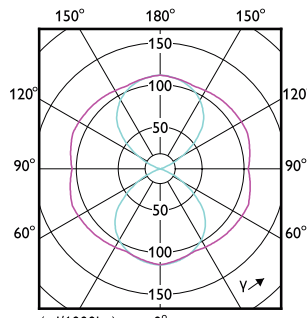
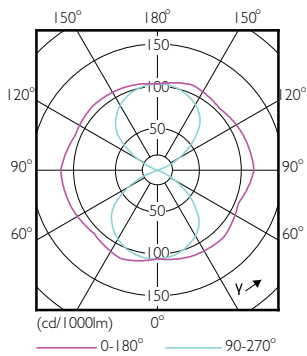
## Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
81115300	TrueForce LED Road 55-35W E27 730	Others
81117700	TrueForce LED Road 60-35W E27 740	Others
67485400	TrueForce LED Road 35W E27 740 MV	Others
67483000	TrueForce LED Road 35W E27 730 MV	Others
33157000	TrueForce LED Road 25W E27 730 MV	T-shape
33159400	TrueForce LED Road 25W E27 740 MV	T-shape
63251900	TrueForce LED Road 40-25W E27 730	Others
63253300	TrueForce LED Road 42-25W E27 740	Others
63904400	TrueForce LED Road 84-55W E40 730	Others

Order Code	Full Product Name	Bulb Shape
63906800	TrueForce LED Road 90-55W E40 740	Others
67479300	TrueForce LED Road 55W E40 740 MV	Others
67477900	TrueForce LED Road 55W E40 730 MV	Others
63908200	TrueForce LED Road 112-68W E40 730	Others
63910500	TrueForce LED Road 120-68W E40 740	Others
70583100	TrueForce LED Road 68W E40 730 MV	T-shape
70585500	TrueForce LED Road 68W E40 740 MV	T-shape
70587900	TrueForce LED Road 68W E40 765 MV	T-shape

## Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
81115300	TrueForce LED Road 55-35W E27 730	95 °C
81117700	TrueForce LED Road 60-35W E27 740	95 °C
67485400	TrueForce LED Road 35W E27 740 MV	95 °C
67483000	TrueForce LED Road 35W E27 730 MV	95 °C
33157000	TrueForce LED Road 25W E27 730 MV	45 °C
33159400	TrueForce LED Road 25W E27 740 MV	45 °C
63251900	TrueForce LED Road 40-25W E27 730	95 °C
63253300	TrueForce LED Road 42-25W E27 740	95 °C
63904400	TrueForce LED Road 84-55W E40 730	97 °C
63906800	TrueForce LED Road 90-55W E40 740	97 °C
67479300	TrueForce LED Road 55W E40 740 MV	97 °C
67477900	TrueForce LED Road 55W E40 730 MV	97 °C
63908200	TrueForce LED Road 112-68W E40 730	103 °C
63910500	TrueForce LED Road 120-68W E40 740	103 °C
70583100	TrueForce LED Road 68W E40 730 MV	60 °C
70585500	TrueForce LED Road 68W E40 740 MV	60 °C
70587900	TrueForce LED Road 68W E40 765 MV	60 °C



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