



# The cost-effective LED replacement for HID and SON Road lamps with MASTER – LED HID SON-T

## Trueforce Core LED SON-T

The new Philips Trueforce Core LED SON-T lamps offer you an easy, short-payback LED solution to replace High Intensity Discharge (HID) lamps. This new generation of products brings all the energy-efficiency and long-lifetime benefits of LED to HID replacement, while providing instant saving with a low initial investment.

Furthermore, they're designed to have the same lamp size and light distribution as other HID lamps, so you will never know the difference. All thanks to our High-Power LED filament technology. Plus, its unique IP65 design means it can be used for outdoor applications.

### Benefits

- Cost-saving lamps with short payback time
- Low initial investment
- Easy way to enhance lighting quality

# Trueforce Core LED SON-T

## Features

- High Energy efficient lamps
- Long lifetime – 25,000 hrs
- Surge protection 2KV
- Pleasant white light with CRI 70
- Omnidirectional light around lamp
- Additional energy saving by direct mains connection
- IP65 product (IP rated sockets required for outdoor application)

## Application

- Road and Street
- Tunnel
- Car parks

## Warnings and Safety

- Please refer to the installation guide or consult a Philips Lighting representative for the wiring diagram and instructions.

## Versions



LEDTForce Core road Tshape E27

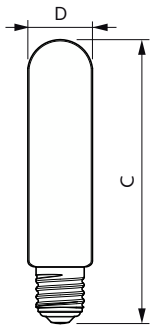


LEDTForce Core road Tshape E27 1



LEDTForce Core road Tshape E40

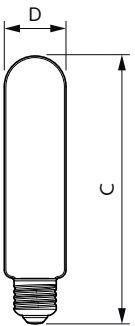
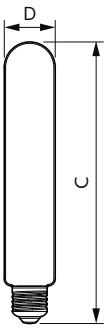
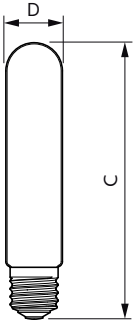
## Dimensional drawing



Product	D	C
TForce Core LED road 45W 727 E40 MV	53.5 mm	232 mm
TForce Core LED road 45W 730 E40 MV	53.5 mm	232 mm
TForce Core LED road 49W 740 E40 MV	53.5 mm	232 mm

# Trueforce Core LED SON-T

## Dimensional drawing



Product	D	C
TForce Core LED road 40W 730 E40 MV	46 mm	225 mm
TForce Core LED road 40W 740 E40 MV	46 mm	225 mm

Product	D	C
TForce Core LED road 26W 730 E27 MV	38.5 mm	213 mm
TForce Core LED road 26W 740 E27 MV	38.5 mm	213 mm

Product	D	C
TForce Core LED road 17W 730 E27 MV	38.5 mm	168 mm
TForce Core LED road 17W 740 E27 MV	38.5 mm	168 mm

# Trueforce Core LED SON-T

## General Information

Nominal lifetime 25,000 h

## Light Technical

Colour rendering index (CRI) 70

LLMF at end of nominal lifetime (nom.) 70 %

## Operating and Electrical

Input frequency 50 to 60 Hz

Starting time (nom.) 0.5 s

## Controls and Dimming

Dimmable No

## Mechanical and Housing

Lamp Finish Clear

## Approval and Application

Ambient temperature range -30 to +45 °C

## General Information

Order Code	Full Product Name	Cap base	Switching Cycle
31625600	TForce Core LED road 17W 730 E27 MV	E27	15,000
31627000	TForce Core LED road 17W 740 E27 MV	E27	15,000
31629400	TForce Core LED road 26W 730 E27 MV	E27	15,000
31631700	TForce Core LED road 26W 740 E27 MV	E27	15,000
31633100	TForce Core LED road 40W 730 E40 MV	E40	50,000
31635500	TForce Core LED road 40W 740 E40 MV	E40	50,000
29743200	TForce Core LED road 45W 727 E40 MV	E40	50,000
29745600	TForce Core LED road 49W 740 E40 MV	E40	50,000
29747000	TForce Core LED road 45W 730 E40 MV	E40	50,000

## Light Technical

Order Code	Full Product Name	Beam angle (nom.)	Correlated		
			Colour Temperature (Nom)	Colour Code	Luminous Flux
31625600	TForce Core LED road 17W 730 E27 MV	-	3000 K	730	2,800 lm
31627000	TForce Core LED road 17W 740 E27 MV	-	4000 K	740	3,000 lm
31629400	TForce Core LED road 26W 730 E27 MV	-	3000 K	730	4,200 lm
31631700	TForce Core LED road 26W 740 E27 MV	-	4000 K	740	4,500 lm
31633100	TForce Core LED road 40W 730 E40 MV	330 degree(s)	3000 K	730	7,200 lm

Order Code	Full Product Name	Beam angle (nom.)	Correlated		
			Colour Temperature (Nom)	Colour Code	Luminous Flux
31635500	TForce Core LED road 40W 740 E40 MV	330 degree(s)	4000 K	740	7,500 lm
29743200	TForce Core LED road 45W 727 E40 MV	300 degree(s)	2700 K	727	8,800 lm
29745600	TForce Core LED road 49W 740 E40 MV	300 degree(s)	4000 K	740	10,000 lm
29747000	TForce Core LED road 45W 730 E40 MV	300 degree(s)	3000 K	730	8,800 lm

## Operating and Electrical

Order Code	Full Product Name	Line Frequency	Power Consumption
31625600	TForce Core LED road 17W 730 E27 MV	50 to 60 Hz	17 W
31627000	TForce Core LED road 17W 740 E27 MV	50 to 60 Hz	17 W
31629400	TForce Core LED road 26W 730 E27 MV	50 to 60 Hz	26 W

Order Code	Full Product Name	Line Frequency	Power Consumption
31631700	TForce Core LED road 26W 740 E27 MV	50 to 60 Hz	26 W
31633100	TForce Core LED road 40W 730 E40 MV	50 to 60 Hz	40 W
31635500	TForce Core LED road 40W 740 E40 MV	50 to 60 Hz	40 W

# Trueforce Core LED SON-T

Order Code	Full Product Name	Line Frequency	Power Consumption
29743200	TForce Core LED road 45W 727 E40 MV	-	45 W
	MV		
29745600	TForce Core LED road 49W 740 E40 MV	-	49 W
	E40 MV		

Order Code	Full Product Name	Line Frequency	Power Consumption
29747000	TForce Core LED road 45W 730 E40 MV	-	45 W
	MV		

## Temperature

Order Code	Full Product Name	T-Case maximum (nom.)
31625600	TForce Core LED road 17W 730 E27 MV	39.8 °C
31627000	TForce Core LED road 17W 740 E27 MV	39.8 °C
31629400	TForce Core LED road 26W 730 E27 MV	44.55 °C
31631700	TForce Core LED road 26W 740 E27 MV	44.55 °C
31633100	TForce Core LED road 40W 730 E40 MV	49 °C

Order Code	Full Product Name	T-Case maximum (nom.)
31635500	TForce Core LED road 40W 740 E40 MV	49 °C
29743200	TForce Core LED road 45W 727 E40 MV	41 °C
29745600	TForce Core LED road 49W 740 E40 MV	45 °C
29747000	TForce Core LED road 45W 730 E40 MV	41 °C

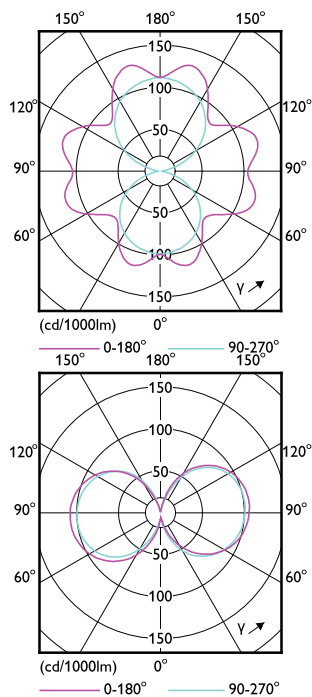
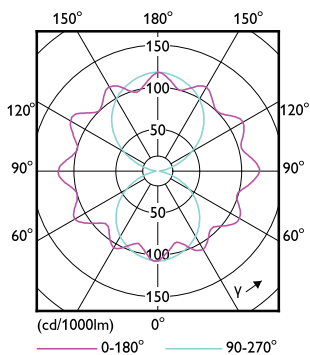
## Mechanical and Housing

Order Code	Full Product Name	Bulb shape
31625600	TForce Core LED road 17W 730 E27 MV	T-shape
31627000	TForce Core LED road 17W 740 E27 MV	T-shape
31629400	TForce Core LED road 26W 730 E27 MV	T-shape
31631700	TForce Core LED road 26W 740 E27 MV	T-shape
31633100	TForce Core LED road 40W 730 E40 MV	T-shape

Order Code	Full Product Name	Bulb shape
31635500	TForce Core LED road 40W 740 E40 MV	T-shape
29743200	TForce Core LED road 45W 727 E40 MV	T52
29745600	TForce Core LED road 49W 740 E40 MV	T52
29747000	TForce Core LED road 45W 730 E40 MV	T52

## Approval and Application

Order Code	Full Product Name	Energy consumption kWh/1,000 hours
31625600	TForce Core LED road 17W 730 E27 MV	17 kWh
31627000	TForce Core LED road 17W 740 E27 MV	17 kWh
31629400	TForce Core LED road 26W 730 E27 MV	26 kWh
31631700	TForce Core LED road 26W 740 E27 MV	26 kWh
31633100	TForce Core LED road 40W 730 E40 MV	40 kWh
31635500	TForce Core LED road 40W 740 E40 MV	40 kWh
29743200	TForce Core LED road 45W 727 E40 MV	45 kWh
29745600	TForce Core LED road 49W 740 E40 MV	49 kWh
29747000	TForce Core LED road 45W 730 E40 MV	45 kWh



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