



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

CorePro - LED HID 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

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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
- Parking Garages

Warnings and Safety

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

Versions



LED TForce Core road Tshape E27 1



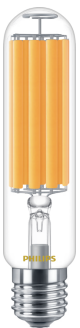
LED TForce Core LED road 17W E27 MV



LED TForce Core road 26W E27 MV



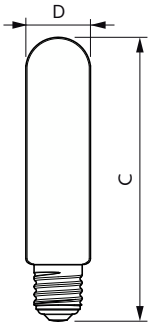
LED TForce Core road 26W 740 E27 MV



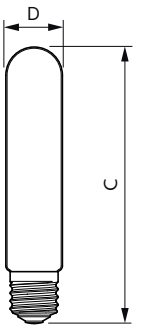
LED TForce MAS SONT EU1

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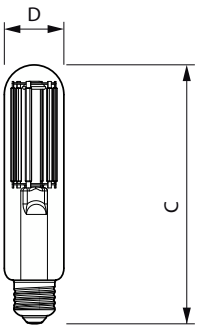
Dimensional drawing



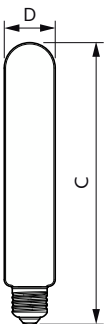
Product	D	C
TForce Core LED road 45W 727 E40 MV	53.5 mm	232 mm
TForce Core LED road 45W 730 E40 MV	53.5 mm	232 mm
TForce Core LED road 49W 740 E40 MV	53.5 mm	232 mm



Product	D	C
TForce Core LED road 40W 727 E40 MV	47 mm	229 mm
TForce Core LED road 40W 730 E40 MV	46 mm	225 mm
TForce Core LED road 40W 740 E40 MV	46 mm	225 mm



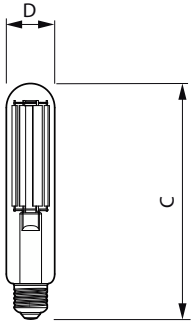
Product	D	C
TForce Core LED road 17W 727 E27 MV	38.5 mm	168 mm
TForce Core LED road 17W 730 E27 MV	38.5 mm	168 mm
TForce Core LED road 17W 740 E27 MV	38.5 mm	168 mm



Product	D	C
TForce Core LED road 26W 727 E27 MV	38.5 mm	214 mm
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

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Dimensional drawing



Product	D	C
TForce Core LED road 26W 727 E27 MV	38.5 mm	188 mm
TForce Core LED road 26W 730 E27 MV	38.5 mm	188 mm
TForce Core LED road 26W 740 E27 MV	38.5 mm	188 mm

General Information

Nominal lifetime	25,000 hour(s)
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Light Technical

Color 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
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Mechanical and Housing

Bulb Finish	Clear
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Approval and Application

Ambient temperature range	-30 to +45 °C
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General Information

Order Code	Full Product Name	Cap-Base	Switching Cycle
31629400	TForce Core LED road 26W 730 E27 MV	E27	15,000
31631700	TForce Core LED road 26W 740 E27 MV	E27	15,000
26773200	TForce Core LED road 26W 727 E27 MV	E27	50,000
31625600	TForce Core LED road 17W 730 E27 MV	E27	50,000
31627000	TForce Core LED road 17W 740 E27 MV	E27	50,000
26771800	TForce Core LED road 17W 727 E27 MV	E27	50,000
12934500	TForce Core LED road 26W 727 E27 MV	E27	50,000
12936900	TForce Core LED road 26W 730 E27 MV	E27	50,000
12938300	TForce Core LED road 26W 740 E27 MV	E27	50,000
31633100	TForce Core LED road 40W 730 E40 MV	E40	50,000
31635500	TForce Core LED road 40W 740 E40 MV	E40	50,000
26775600	TForce Core LED road 40W 727 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 Color		
			Temperature (Nom)	Color Code	Luminous Flux
31629400	TForce Core LED road 26W 730 E27 MV	330 degree(s)	3000 K	730	4,200 lm
31631700	TForce Core LED road 26W 740 E27 MV	330 degree(s)	4000 K	740	4,500 lm
26773200	TForce Core LED road 26W 727 E27 MV	330 degree(s)	2700 K	727	4,000 lm

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color		
			Temperature (Nom)	Color Code	Luminous Flux
31625600	TForce Core LED road 17W 730 E27 MV	330 degree(s)	3000 K	730	2,800 lm
31627000	TForce Core LED road 17W 740 E27 MV	330 degree(s)	4000 K	740	3,000 lm
26771800	TForce Core LED road 17W 727 E27 MV	330 degree(s)	2700 K	727	2,700 lm

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Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color		
			Temperature (Nom)	Color Code	Luminous Flux
12934500	TForce Core LED road 26W 727 E27 MV	300 degree(s)	2700 K	727	4,000 lm
12936900	TForce Core LED road 26W 730 E27 MV	300 degree(s)	3000 K	730	4,200 lm
12938300	TForce Core LED road 26W 740 E27 MV	300 degree(s)	4000 K	740	4,500 lm
31633100	TForce Core LED road 40W 730 E40 MV	330 degree(s)	3000 K	730	7,200 lm
31635500	TForce Core LED road 40W 740 E40 MV	330 degree(s)	4000 K	740	7,500 lm

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color		
			Temperature (Nom)	Color Code	Luminous Flux
26775600	TForce Core LED road 40W 727 E40 MV	330 degree(s)	2700 K	727	6,500 lm
29743200	TForce Core LED road 45W 727 E40 MV	330 degree(s)	2700 K	727	8,800 lm
29745600	TForce Core LED road 49W 740 E40 MV	330 degree(s)	4000 K	740	10,000 lm
29747000	TForce Core LED road 45W 730 E40 MV	330 degree(s)	3000 K	730	8,800 lm

Operating and Electrical

Order Code	Full Product Name	Line Frequency	Power Consumption
31629400	TForce Core LED road 26W 730 E27 MV	50 to 60 Hz	26 W
31631700	TForce Core LED road 26W 740 E27 MV	50 to 60 Hz	26 W
26773200	TForce Core LED road 26W 727 E27 MV	-	26 W
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
26771800	TForce Core LED road 17W 727 E27 MV	-	17 W
12934500	TForce Core LED road 26W 727 E27 MV	-	26 W
12936900	TForce Core LED road 26W 730 E27 MV	-	26 W

Order Code	Full Product Name	Line Frequency	Power Consumption
12938300	TForce Core LED road 26W 740 E27 MV	-	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
26775600	TForce Core LED road 40W 727 E40 MV	-	40 W
29743200	TForce Core LED road 45W 727 E40 MV	-	45 W
29745600	TForce Core LED road 49W 740 E40 MV	-	49 W
29747000	TForce Core LED road 45W 730 E40 MV	-	45 W

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
31629400	TForce Core LED road 26W 730 E27 MV	44.55 °C
31631700	TForce Core LED road 26W 740 E27 MV	44.55 °C
26773200	TForce Core LED road 26W 727 E27 MV	44.55 °C
31625600	TForce Core LED road 17W 730 E27 MV	36.8 °C
31627000	TForce Core LED road 17W 740 E27 MV	36.8 °C
26771800	TForce Core LED road 17W 727 E27 MV	36.8 °C
12934500	TForce Core LED road 26W 727 E27 MV	36.6 °C
12936900	TForce Core LED road 26W 730 E27 MV	36.6 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
12938300	TForce Core LED road 26W 740 E27 MV	36.6 °C
31633100	TForce Core LED road 40W 730 E40 MV	49 °C
31635500	TForce Core LED road 40W 740 E40 MV	49 °C
26775600	TForce Core LED road 40W 727 E40 MV	48.7 °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

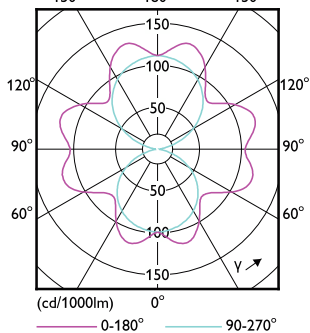
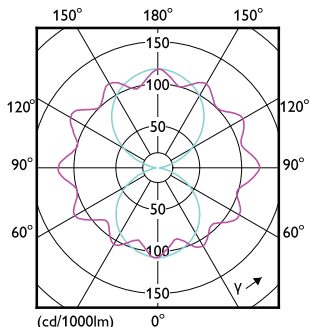
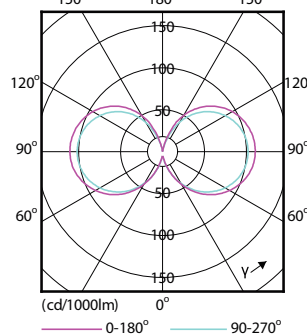
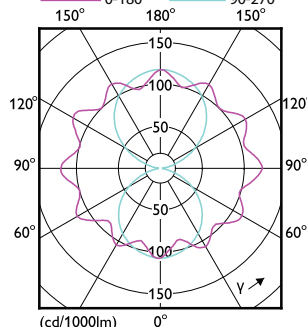
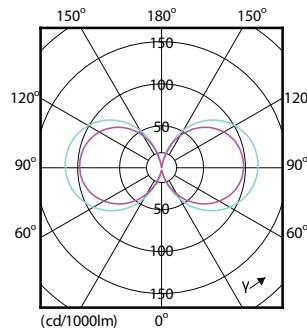
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Order Code	Full Product Name	Bulb Shape
31629400	TForce Core LED road 26W 730 E27 MV	T-shape
31631700	TForce Core LED road 26W 740 E27 MV	T-shape
26773200	TForce Core LED road 26W 727 E27 MV	T38
31625600	TForce Core LED road 17W 730 E27 MV	Tubular
31627000	TForce Core LED road 17W 740 E27 MV	Tubular
26771800	TForce Core LED road 17W 727 E27 MV	Tubular
12934500	TForce Core LED road 26W 727 E27 MV	Tubular
12936900	TForce Core LED road 26W 730 E27 MV	Tubular

Order Code	Full Product Name	Bulb Shape
12938300	TForce Core LED road 26W 740 E27 MV	Tubular
31633100	TForce Core LED road 40W 730 E40 MV	Tubular
31635500	TForce Core LED road 40W 740 E40 MV	Tubular
26775600	TForce Core LED road 40W 727 E40 MV	Tubular
29743200	TForce Core LED road 45W 727 E40 MV	Tubular
29745600	TForce Core LED road 49W 740 E40 MV	Tubular
29747000	TForce Core LED road 45W 730 E40 MV	Tubular

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
31629400	TForce Core LED road 26W 730 E27 MV	26 kWh
31631700	TForce Core LED road 26W 740 E27 MV	26 kWh
26773200	TForce Core LED road 26W 727 E27 MV	26 kWh
31625600	TForce Core LED road 17W 730 E27 MV	17 kWh
31627000	TForce Core LED road 17W 740 E27 MV	17 kWh
26771800	TForce Core LED road 17W 727 E27 MV	17 kWh
12934500	TForce Core LED road 26W 727 E27 MV	26 kWh
12936900	TForce Core LED road 26W 730 E27 MV	26 kWh
12938300	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
26775600	TForce Core LED road 40W 727 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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