



Trueforce Core LED SON-T

TForce Core LED road 49W 740 E40 MV

LED SON-T, Tubular, Mains only, 49 W, SON-T 150/100W, E40, 4000 K, 10000 lm, CRI 70, 25000 h

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.

Warnings and Safety

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

Product data

General Information			
Cap base	E40	Beam angle (nom.)	330 degree(s)
Nominal lifetime	25,000 h	Luminous Flux	10,000 lm
Switching Cycle	50,000	Colour designation	Cool White (CW)
Lighting Technology	LED SON-T	Correlated Colour Temperature (Nom)	4000 K
Flux measurement reference	Sphere	Luminous efficacy (rated) (nom.)	204 lm/W
Warranty period	3 years	Colour consistency	<6
		Colour rendering index (CRI)	70
		LLMF at end of nominal lifetime (nom.)	70 %
		Photobiological safety according to EN 62471	RG1
Light Technical			
Colour Code	740 [CCT of 4000K]		

Trueforce Core LED SON-T

Operating and Electrical

Input frequency	50 to 60 Hz
Power Consumption	49 W
Lamp current (nom.)	215 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (nom.)	220-240 V
Inrush current at mains	24.4
Max. lamp no. on MCB B type 10A — Mains	10
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	NA
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	NA
Max. lamp no. on MCB B type 16A — Mains	17
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	NA
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	NA
Wattage Equivalent (LED HID only)	SON-T 150/100W
Ballast Compatibility	Mains only

Temperature

T-Case maximum (nom.)	45 °C
-----------------------	-------

Controls and Dimming

Dimmable	No
----------	----

Mechanical and Housing

Lamp Finish	Clear
-------------	-------

Bulb material	Glass
Bulb shape	Tubular
Net Weight (Piece)	0.175 kg

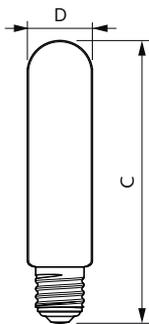
Approval and Application

Energy Efficiency Class	B
Energy-saving product	Yes
Energy consumption kWh/1,000 hours	49 kWh
EPREL Registration Number	2329501
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM)	1
Stroboscopic effect	2.5
Ambient temperature range	-30 to +45 °C

Product Data

Order product name	TForce Core LED road 49W 740 E40 MV
Full product name	TForce Core LED road 49W 740 E40 MV
Full EOC	872016929745600
Order code	929003775702
Material no. (12 NC)	929003775702
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8720169297456
Numerator – packs per outer box	6
EAN/UPC – Case	8720169297463

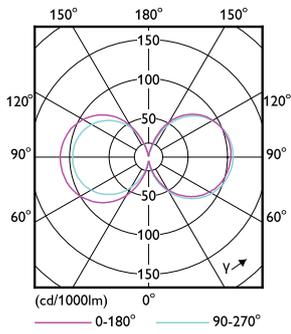
Dimensional drawing



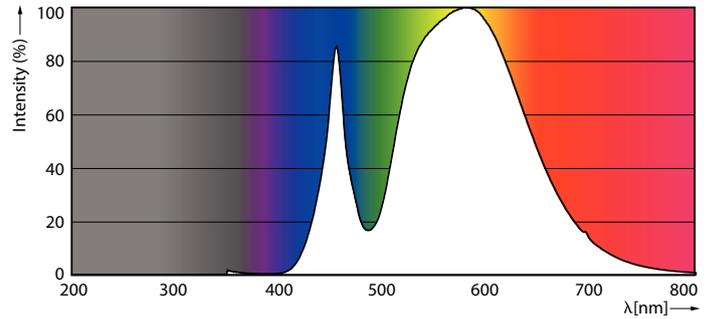
Product	D	C
TForce Core LED road 49W 740 E40 MV	53.5 mm	232 mm

Trueforce Core LED SON-T

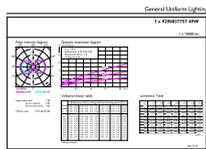
Photometric data



Light Distribution Diagram - TForce Core LED road 49W 740 E40 MV

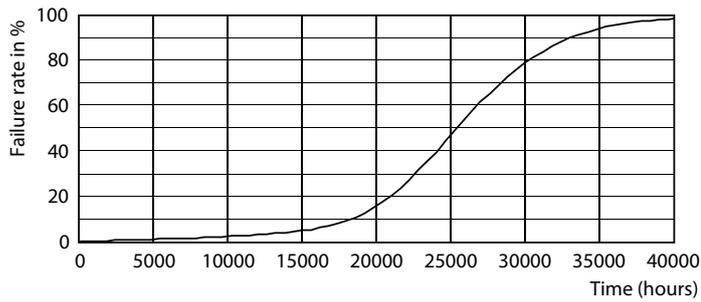


Spectral Power Distribution Colour - TForce Core LED road 49W 740 E40 MV

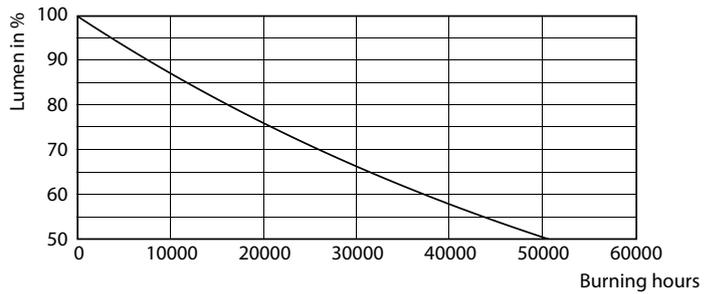


General uniform lighting - TForce Core LED road 49W 740 E40 MV

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - TForce Core LED road 49W 740 E40 MV

Trueforce Core LED SON-T

