



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

LED SON-T, Tubular, Mains only, 49 W, LED alternative to SON-T 150/100W, E40, 4000 K, 10000 lm, CRI 70, 25000 h, 204 lm/W, EEL B, PF 0.9, Glass, RG1, IP65, SVM 2.5, PstLM 1

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
Nominal lifetime	25,000 h
Switching Cycle	50,000
Lighting Technology	LED SON-T
Flux measurement reference	Sphere
Warranty period	3 years
Light Technical	
Colour Code	740 [CCT of 4000K]
Beam angle (nom.)	330 degree(s)
Luminous Flux	10,000 lm
Colour designation	Cool White (CW)
Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	204 lm/W

Colour consistency	<6
Colour rendering index (CRI)	70
LLMF at end of nominal lifetime (nom.)	70 %
Photobiological safety according to EN 62471	RG1
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

Trueforce Core LED SON-T

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
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Controls and Dimming

Dimmable	No
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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
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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

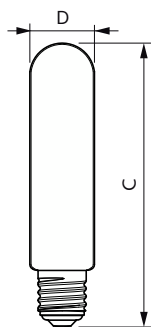
Application Conditions

Wireless Technology	Not applicable
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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

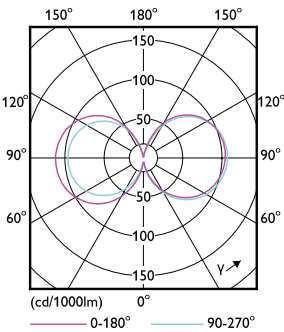
Dimensional drawing



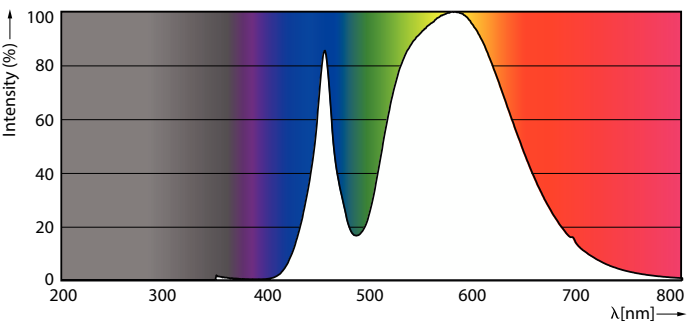
Product	D	C
TForce Core LED road 49W 740 E40 MV	53.5 mm	232 mm

Trueforce Core LED SON-T

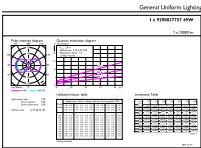
Photometric data



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



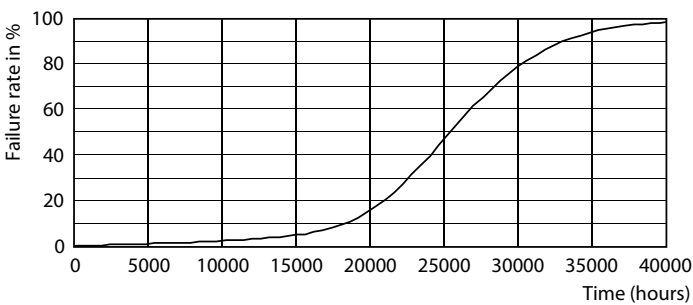
Spectral Power Distribution Colour - TForce Core LED road 49W 740 E40 MV



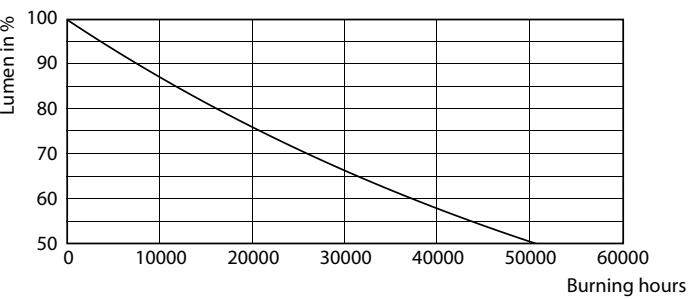
General uniform lighting - TForce Core LED road 49W 740 E40 MV

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Lifetime



Life Expectancy Diagram



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

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