



Trueforce Core LED SON-T

TForce Core LED road 40W 740 E40 MV

CorePro, LED SON-T, Tubular, Mains only, 40 W, SON-T 100W, E40, 4000 K, 7500 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	7,500 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.)	187 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]		

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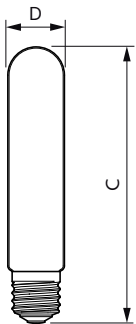
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input frequency	50 to 60 Hz
Power Consumption	40 W
Lamp current (nom.)	178 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (nom.)	220-240 V
Inrush current at mains	24.5
Max. lamp no. on MCB B type 10A — Mains	11
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A — Mains	18
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	-
Wattage Equivalent (LED HID only)	SON-T 100W
Ballast Compatibility	Mains only

Temperature	
T-Case maximum (nom.)	49 °C

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Lamp Finish	Clear
Bulb material	Glass

Dimensional drawing



Bulb shape	Tubular
Net Weight (Piece)	0.157 kg

Approval and Application	
Energy Efficiency Class	B
Energy-saving product	Yes
Energy consumption kWh/1,000 hours	40 kWh
EPREL Registration Number	574360
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM)	1
Stroboscopic effect	2
Ambient temperature range	-30 to +45 °C

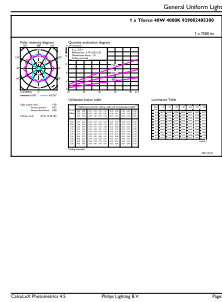
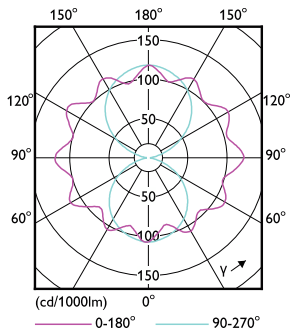
Application Conditions	
Can it be used in closed luminaires	Yes

Product Data	
Order product name	TForce Core LED road 40W 740 E40 MV
Full product name	TForce Core LED road 40W 740 E40 MV
Full EOC	871951431635500
Order code	929002485302
Material no. (12 NC)	929002485302
Numerator – quantity per pack	1
EAN/UPC — Product/Case	8719514316355
Numerator – packs per outer box	6
EAN/UPC - Case	8719514316362

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

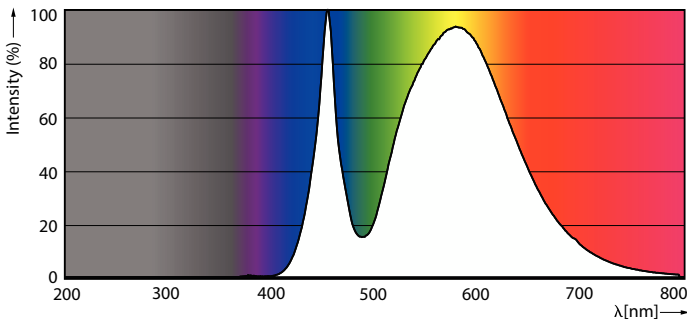
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Photometric data



Light Distribution Diagram - TForce Core LED road 40W 740 E40 MV

General uniform lighting - TForce Core LED road 40W 740 E40 MV



Spectral Power Distribution Colour - TForce Core LED road 40W 740 E40 MV

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - TForce Core LED road 40W 740 E40 MV

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