



Trueforce Core LED SON-T



TForce Core LED road 40W 740 E40 MV

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		Luminous efficacy (rated) (nom.)	
Cap base	E40	Colour consistency	<6
Nominal lifetime	25,000 h	Colour rendering index (CRI)	70
Switching Cycle	15,000	LLMF at end of nominal lifetime (nom.)	70 %
Lighting Technology	LED	Flickering value (PstLM)	1
Flux measurement reference	Sphere	Stroboscopic effect	2
CE mark	Yes	Photobiological safety according to EN 62471	RG1
EU RoHS compliant	Yes	Operating and Electrical	
Light Technical		Line Frequency	50 to 60 Hz
Colour Code	740 [CCT of 4000K]	Input frequency	50 to 60 Hz
Luminous Flux	7,500 lm	Power Consumption	40 W
Colour designation	Cool White (CW)	Lamp current (nom.)	178 mA
Correlated Colour Temperature	4000 K	Starting time (nom.)	0.5 s

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Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (nom.)	220–240 V
Ballast Compatibility	Mains

Temperature

Ambient temperature range	–30 to +45 °C
T-Case maximum (nom.)	26 °C

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Lamp Finish	Clear
Bulb shape	T-shape

Approval and Application

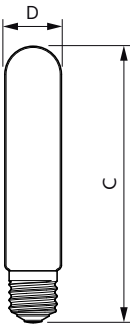
Energy Efficiency Class	B
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Energy consumption kWh/1,000 hours	40 kWh
EPREL registration number	574360

Product Data

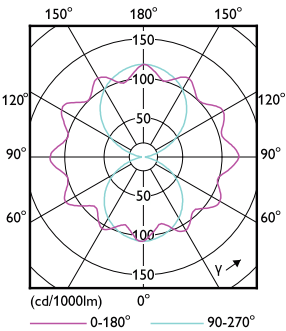
Order product name	TForce Core LED road 40W 740 E40 MV
Full product name	TForce Core LED road 40W 740 E40 MV
Full EOC	871951431635500
Order code	31635500
Material no. (12 NC)	929002485302
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514316355
Numerator – packs per outer box	6
EAN/UPC – Case	8719514316362

Dimensional drawing

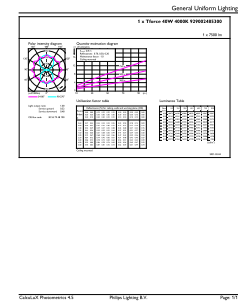


Product	D	C
TForce Core LED road 40W 740 E40 MV	46 mm	225 mm

Photometric data



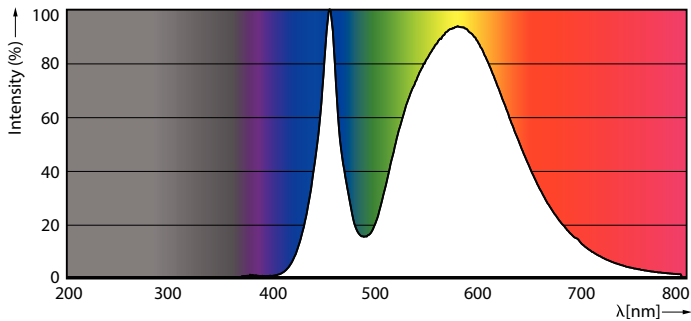
Light Distribution Diagram - TForce Core LED road 40W 740 E40 MV



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

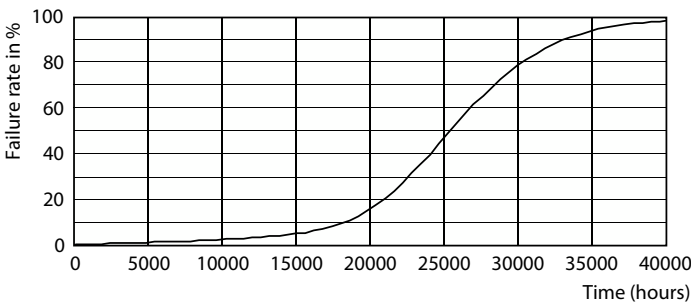
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Photometric data

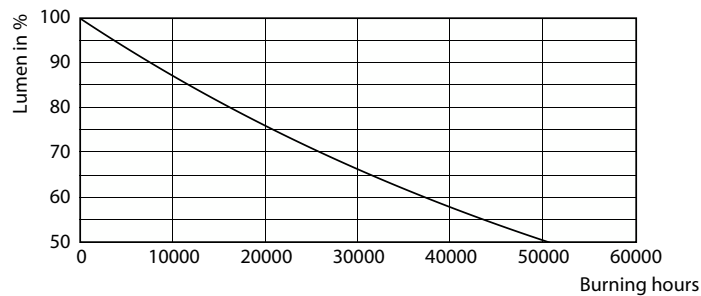


Spectral Power Distribution Colour - TForce Core LED road 40W 740 E40 MV

Lifetime



Life Expectancy Diagram - TForce Core LED road 40W 740 E40 MV



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

