

CorePro - LED HID SON-T

TForce Core LED road 45W 727 E40 MV

LED SON-T, Tubular, Mains only, 45 W, SON-T 150/100W, E40, 2700 K, 8800 lm, CRI 70, 25000 hour(s)

The Philips CorePro LED HID 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 HighPower 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		Beam Angle (Nom)	
Cap-Base	E40		330 degree(s)
Nominal lifetime	25,000 hour(s)	Luminous Flux	8,800 lm
Switching Cycle	50,000	Color Designation	Warm White (WW)
Lighting Technology	LED SON-T	Correlated Color Temperature (Nom)	2700 K
Flux measurement reference	Sphere	Luminous Efficacy (rated) (Nom)	195 lm/W
Warranty period	3 years	Color Consistency	<6
		Color rendering index (CRI)	70
		LLMF At End Of Nominal Lifetime (Nom)	70 %
		Photobiological safety according to EN 62471	RG1
Light Technical			
Color Code	727 [CCT of 2700K]		

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Operating and Electrical

Input Frequency	50 to 60 Hz
Power Consumption	45 W
Lamp Current (Nom)	198 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	24.53
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)	41 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Clear
Bulb Material	Glass
Bulb Shape	Tubular

Net Weight (Piece)	0.175 kg
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Approval and Application

Energy Efficiency Class	B
Energy Saving Product	Yes
Energy Consumption kWh/1000 h	45 kWh
EPREL Registration Number	2329500
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	2.5
Ambient temperature range	-30 to +45 °C

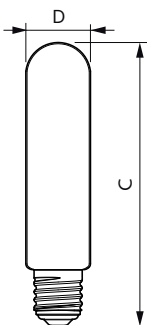
Application Conditions

Wireless Technology	Not applicable
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Product Data

Order product name	TForce Core LED road 45W 727 E40 MV
Full product name	TForce Core LED road 45W 727 E40 MV
Full product code	872016929743200
Order code	929003775602
Material Nr. (12NC)	929003775602
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169297432
Numerator - Packs per outer box	6
EAN/UPC - Case	8720169297449

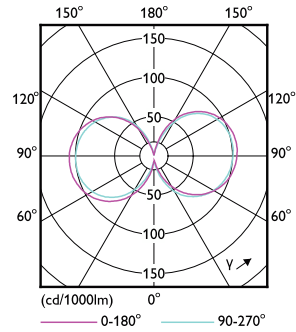
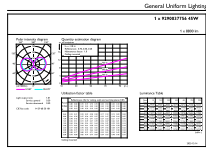
Dimensional drawing



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

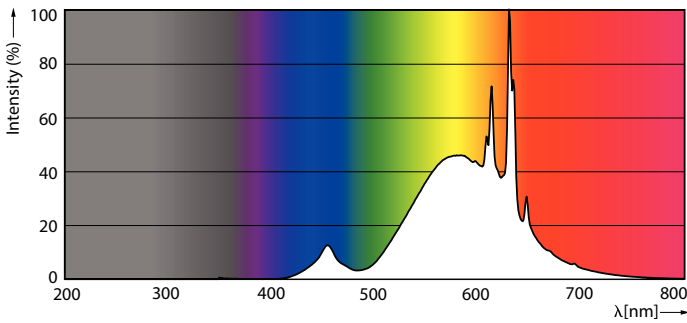
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Photometric data



General uniform lighting - TForce Core LED road 45W 727 E40 MV

Light Distribution Diagram - TForce Core LED road 45W 727 E40 MV



Spectral Power Distribution Colour - TForce Core LED road 45W 727 E40 MV

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - TForce Core LED road 45W 727 E40 MV

