



# CorePro - LED HID SON-T

## TForce Core LED road 45W 727 E40 MV

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	
Cap-Base	E40
Nominal lifetime	25,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
Light Technical	
Color Code	727 [CCT of 2700K]
Beam Angle (Nom)	300 degree(s)
Luminous Flux	8,800 lm
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	195 lm/W

Color Consistency	<6
Color 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	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
Ballast Compatibility	Mains

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Inrush current at mains	52.5
Max. lamp no. on MCB B type 10A - Mains	7
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	11
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

### 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 Shape	T52
Net Weight (Piece)	0.175 kg

### Approval and Application

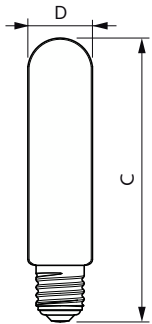
Energy Efficiency Class	B
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Energy Consumption kWh/1000 h	45 kWh
EPREL Registration Number	1825282
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	2
Ambient temperature range	-30 to +45 °C

### 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

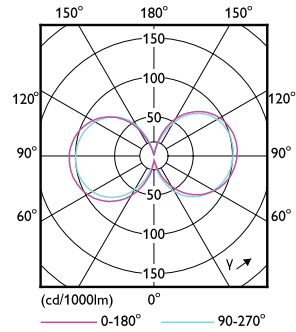
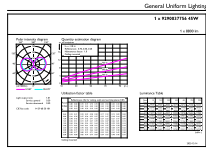
## Dimensional drawing



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

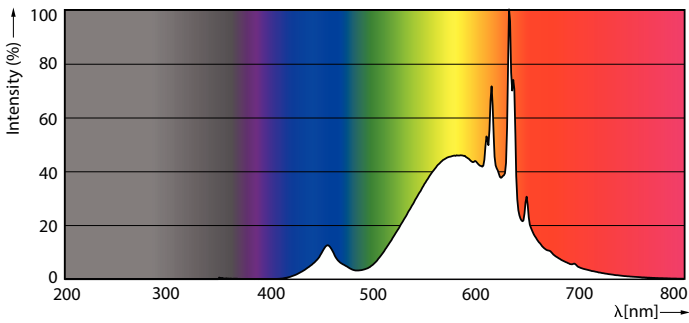
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## Photometric data



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

