



# MASTER - LED HID SON-T

## TForce LED Road 68W E40 765 MV

Philips MASTER - LED HID SON-T lamps are an easy LED solution with a short payback period to replace High-Intensity Discharge (HID) and High-Pressure Sodium (SON) lamps. MASTER – LED HID SON-T solutions bring the energy efficiency and long lifetime benefits of LED to HID replacement, providing instant savings for a low initial investment. With the right lamp size and light distribution, you can easily retrofit MASTER – LED HID SON-T lamps into existing SON and SON-T systems, enhancing the lighting quality with LED without changing the luminaire’s ballast (for IF replacements) or reflector.

### 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 [E40]		176.00 lm/W
Nominal lifetime	50,000 hour(s)	Color Consistency	<6
Switching Cycle	50,000	Color rendering index (CRI)	70
Lighting Technology	LED	LLMF At End Of Nominal Lifetime (Nom)	70 %
Flux measurement reference	Sphere	Flickering value (PstLM)	1
CE mark	Yes	Stroboscopic effect value (SVM)	2.5
EU RoHS compliant	Yes	Photobiological safety according to EN 62471	RG1
Light Technical		Operating and Electrical	
Color Code	765 [CCT of 6500K]	Line Frequency	50 to 60 Hz
Luminous Flux	12,000 lumen	Input Frequency	50 to 60 Hz
Color Designation	Cool Daylight	Power Consumption	68 W
Correlated Color Temperature (Nom)	6500 K	Wattage Equivalent	150 W
		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)	120-277 V

## Temperature

T-Case Maximum (Nom)	60 °C
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## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Bulb Finish	Clear
Bulb Shape	T-shape

## Approval and Application

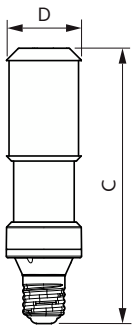
Energy Efficiency Class	C
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Energy Consumption kWh/1000 h	68 kWh
EPREL Registration Number	421455

## Product Data

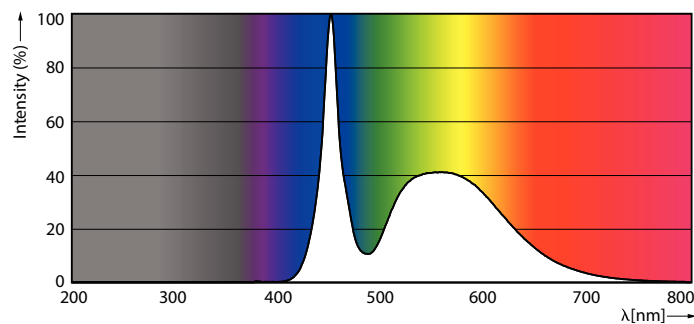
Full product code	871869970587900
Order product name	TForce LED Road 68W E40 765 MV
Order code	929002277808
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	929002277808
Full product name	TForce LED Road 68W E40 765 MV
EAN/UPC - Case	8718699705886
EAN/UPC - Product/Case	8718699705879

## Dimensional drawing

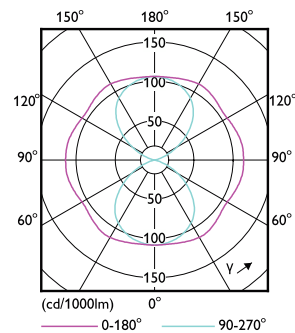


Product	D	C
TForce LED Road 68W E40 765 MV	71 mm	262 mm

## Photometric data



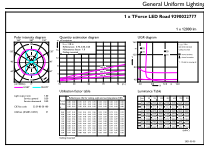
Spectral Power Distribution Colour - TForce LED Road 68W E40 765 MV



Light Distribution Diagram - TForce LED Road 68W E40 765 MV

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## Photometric data



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### General uniform lighting - TForce LED Road 68W E40 765 MV

## Lifetime



### Life Expectancy Diagram - TForce LED Road 68W E40 765 MV



### Lumen Maintenance Diagram - TForce LED Road 68W E40 765 MV

