



# The best LED replacement for HID and SON road lamps with MASTER - LED HID SON-T

## MASTER - LED HID SON-T

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.

### Benefits

- Cost-saving lamps with short payback time
- Low initial investment
- Easy way to enhance lighting quality

# MASTER - LED HID SON-T

## Features

- High Energy efficient lamps
- Long lifetime - 70,000 hrs
- Surge protection 6KV
- Pleasant white light with CRI 70
- Direct lamp replacement solution without changing the fixture or gear for IF solution
- Right size and light distribution for retrofit
- IP40 product (IP rated sockets required for outdoor application)

## Application

- Road and Street
- Tunnel
- Parking Garages

## Warnings and Safety

- Please refer to the installation guide or consult a Philips Lighting representative for the wiring diagram and instructions.

## Versions

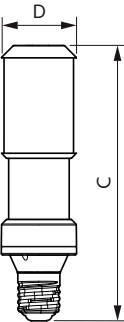


LED Trueforce LED Road 58-35W  
E27 others Clear 730 ND



LEDTrueForce E40 68W

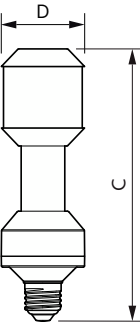
## Dimensional drawing



Product	D	C
MAS LED SON-T EM 12Klm 65W 740 E40	71 mm	262 mm

# MASTER - LED HID SON-T

## Dimensional drawing



Product	D	C
MAS LED SON-T EM 6Klm 34W 740 E27	61 mm	200 mm

General Information	
Switching Cycle	50,000
Nominal lifetime	70,000 h
Light Technical	
Correlated Color Temperature (Nom)	4000 K
Color rendering index (CRI)	70
Color Code	740
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Clear
Approval and Application	
Ambient temperature range	-30 to +45 °C

## General Information

Order Code	Full Product Name	Cap-Base
929003468218	MAS LED SON-T EM 6Klm 34W 740 E27	E27
929003468818	MAS LED SON-T EM 12Klm 65W 740 E40	E40

## Light Technical

Order Code	Full Product Name	Luminous Flux
929003468218	MAS LED SON-T EM 6Klm 34W 740 E27	6,000 lm

Order Code	Full Product Name	Luminous Flux
929003468818	MAS LED SON-T EM 12Klm 65W 740 E40	12,000 lm

## Operating and Electrical

Order Code	Full Product Name	Power Consumption
929003468218	MAS LED SON-T EM 6Klm 34W 740 E27	34 W

Order Code	Full Product Name	Power Consumption
929003468818	MAS LED SON-T EM 12Klm 65W 740 E40	65 W

## Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929003468218	MAS LED SON-T EM 6Klm 34W 740 E27	59 °C

MASTER - LED HID SON-T

Order Code	Full Product Name	T-Case Maximum (Nom)
929003468818	MAS LED SON-T EM 12Klm 65W 740 E40	55 °C

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
929003468218	MAS LED SON-T EM 6Klm 34W 740 E27	T60

Order Code	Full Product Name	Bulb Shape
929003468818	MAS LED SON-T EM 12Klm 65W 740 E40	T70

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/ 1000 h
929003468218	MAS LED SON-T EM 6Klm 34W 740 E27	34 kWh
929003468818	MAS LED SON-T EM 12Klm 65W 740 E40	65 kWh

