PHILIPS

Lighting

# Trueforce Core LED SON-T

## TForce Core LED road 26W 740 E27 MV

CorePro, LED SON-T, T-shape, Mains only, 26 W, 70, E27, 4000 K, 4500 lm, CRI 70, 25000 h

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 | |
|---|---|
| **Cap base** | E27 |
| **Nominal lifetime** | 25,000 h |
| **Switching Cycle** | 15,000 |
| **Lighting Technology** | LED SON-T |
| **Flux measurement reference** | Sphere |
| **Warranty period** | 3 years |

| Light Technical | |
|---|---|
| **Colour Code** | 740 [CCT of 4000K] |
| **Beam angle (nom.)** | 330 degree(s) |
| **Luminous Flux** | 4,500 lm |
| **Colour designation** | Cool White (CW) |
| **Correlated Colour Temperature (Nom)** | 4000 K |
| **Luminous efficacy (rated) (nom.)** | 173.00 lm/W |
| **Colour consistency** | <6 |
| **Colour rendering index (CRI)** | 70 |
| **LLMF at end of nominal lifetime (nom.)** | 70 % |
| **Photobiological safety according to EN 62471** | RG1 |

# Trueforce Core LED SON-T

| Operating and Electrical | |
|---|---|
| **Line Frequency** | 50 to 60 Hz |
| **Input frequency** | 50 to 60 Hz |
| **Power Consumption** | 26 W |
| **Lamp current (nom.)** | 120 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** | 8.4 |
| **Max. lamp no. on MCB B type 10A — Mains** | 66 |
| **Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.** | - |
| **Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.** | - |
| **Max. lamp no. on MCB B type 16A — Mains** | 106 |
| **Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.** | - |
| **Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.** | - |
| **Wattage Equivalent (LED HID only)** | 70 |
| **Ballast Compatibility** | Mains only |

| Temperature | |
|---|---|
| **T-Case maximum (nom.)** | 44.55 °C |

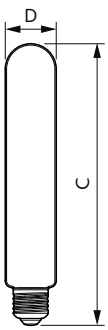
| Controls and Dimming | |
|---|---|
| **Dimmable** | No |

| Mechanical and Housing | |
|---|---|
| **Lamp Finish** | Clear |
| **Bulb material** | Glass |
| **Bulb shape** | T-shape |
| **Net Weight (Piece)** | 0.100 kg |

| Approval and Application | |
|---|---|
| **Energy Efficiency Class** | C |
| **Energy-saving product** | Yes |
| **Energy consumption kWh/1,000 hours** | 26 kWh |
| **EPREL Registration Number** | 1641607 |
| **CE mark** | Yes |
| **EU RoHS compliant** | Yes |
| **Flickering value (PstLM)** | 1 |
| **Stroboscopic effect** | 4 |
| **Ambient temperature range** | -30 to +45 °C |

| Product Data | |
|---|---|
| **Order product name** | TForce Core LED road 26W 740 E27 MV |
| **Full product name** | TForce Core LED road 26W 740 E27 MV |
| **Full EOC** | 871951431631700 |
| **Order code** | 929002485102 |
| **Material no. (12 NC)** | 929002485102 |
| **Numerator – quantity per pack** | 1 |
| **EAN/UPC — Product/Case** | 8719514316317 |
| **Numerator – packs per outer box** | 6 |
| **EAN/UPC - Case** | 8719514316324 |

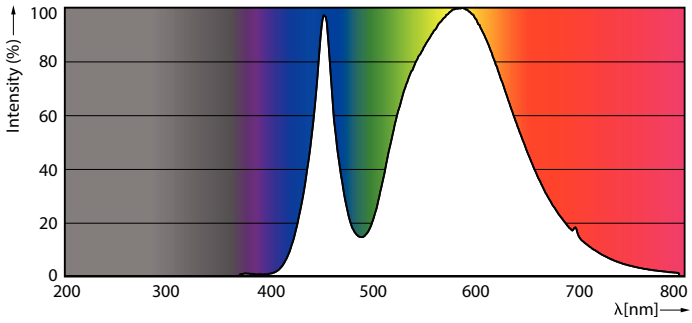
## Dimensional drawing



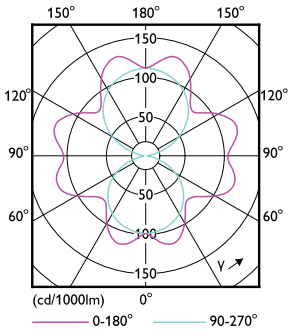

| Product | D | C |
|---|---|---|
| TForce Core LED road 26W 740 E27 MV | 38.5 mm | 213 mm |

# Trueforce Core LED SON-T

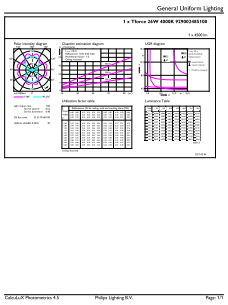
## Photometric data




Spectral Power Distribution Colour - TForce Core LED road 26W 740 E27 MV

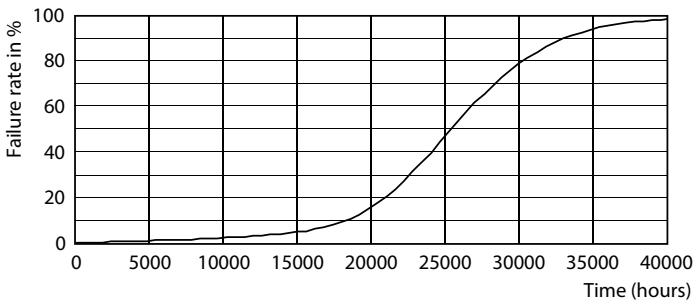



Light Distribution Diagram - TForce Core LED road 26W 740 E27 MV

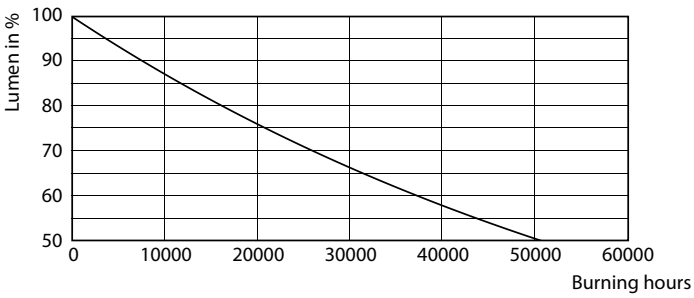


General uniform lighting - TForce Core LED road 26W 740 E27 MV

## Lifetime




Life Expectancy Diagram




Lumen Maintenance Diagram - TForce Core LED road 26W 740 E27 MV

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