



CorePro - LED HID SON-T



TForce Core LED road 49W 740 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 | 740 [CCT of 4000K] |
| Beam Angle (Nom) | 300 degree(s) |
| Luminous Flux | 10,000 lm |
| Color Designation | Cool White (CW) |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 204 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 | 49 W |
| Lamp Current (Nom) | 215 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) | 45 °C |
|----------------------|-------|

Controls and Dimming

| | |
|----------|----|
| Dimmable | No |
|----------|----|

Mechanical and Housing

| | |
|--------------------|----------|
| Bulb Finish | Clear |
| Bulb Shape | T52 |
| Net Weight (Piece) | 0.175 kg |

Approval and Application

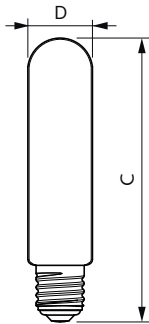
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|-------------------------|---|
| Energy Efficiency Class | B |
|-------------------------|---|

| | |
|---|---------------|
| Energy Consumption kWh/1000 h | 49 kWh |
| EPREL Registration Number | 1825283 |
| 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 49W 740 E40 MV | |
| Full product name | TForce Core LED road 49W 740 E40 MV | |
| Full product code | 872016929745600 | |
| Order code | 929003775702 | |
| Material Nr. (12NC) | 929003775702 | |
| Numerator - Quantity Per Pack | 1 | |
| EAN/UPC - Product/Case | 8720169297456 | |
| Numerator - Packs per outer box | 6 | |
| EAN/UPC - Case | 8720169297463 | |

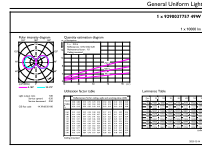
Dimensional drawing



| Product | D | C |
|-------------------------------------|---------|--------|
| TForce Core LED road 49W 740 E40 MV | 53.5 mm | 232 mm |

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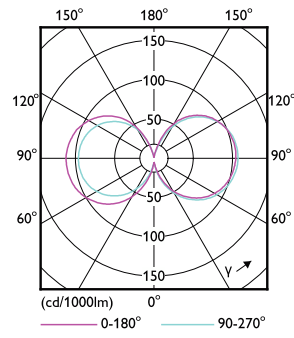
Photometric data



General Uniform Lighting - TForce Core LED road 49W 740 E40 MV

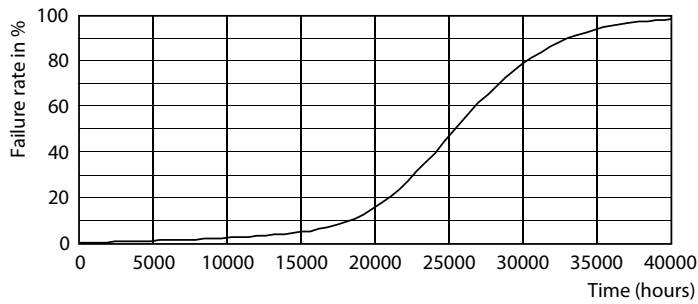
Spectral Power Distribution Colour - TForce Core LED road 49W 740 E40 MV

General uniform lighting - TForce Core LED road 49W 740 E40 MV

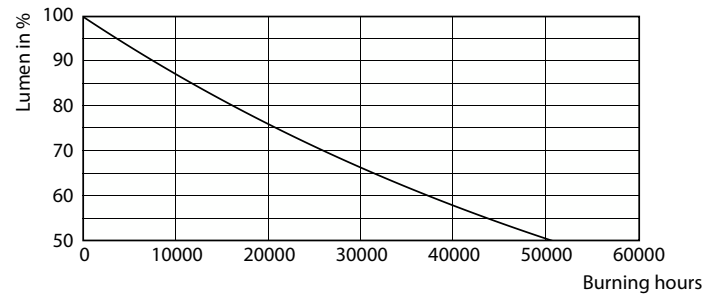


Light Distribution Diagram - TForce Core LED road 49W 740 E40 MV

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - TForce Core LED road 49W 740 E40 MV

