



The Highest Energy efficient LED replacement for HID HPL/SON road lamps with MASTER - LED HID SON-T - UE

MASTER - LED HID SON-T - Ultra Efficient

Philips MASTER - LED HID SON-T Ultra Efficient lamps are an easy LED solution with the highest efficiency to replace High-Intensity Discharge (HID) and High-Pressure Sodium (SON) lamps. MASTER - LED HID SON-T UE solutions bring the energy efficiency and long lifetime benefits of LED to HID replacement, providing instant savings for low energy costs. With the right lamp size and light distribution, you can easily use MASTER - LED HID SON-T UE lamps into existing SON and SON-T systems, enhancing the lighting quality with LED by removing the luminaire's ballast for direct Mains working, gaining additional savings.

Benefits

- Additional costs savings by Mains wiring
- >60% cost savings
- 50K hrs lifetime

MASTER - LED HID SON-T - Ultra Efficient

Features

- Highest Energy efficient lamps >210lm/W
- Long lifetime – 50,000 hrs
- Surge protection 4KV
- Pleasant white light with CRI 70
- Omnidirectional light around lamp
- Right lamp size and lighting distribution for direct retrofit
- Additional Energy saving by Direct Mains connection
- IP65 product (IP rated sockets required for outdoor application)

Application

- Road & streets
- Parks
- Urban

Warnings and Safety

- Installation should always be performed by a qualified electrician or installer. Use the installation guide for instructions.

Versions



Product standard image



Product standard image



Product standard image



Product standard image



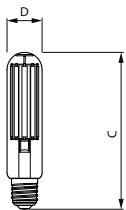
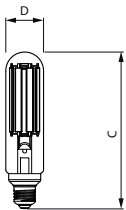
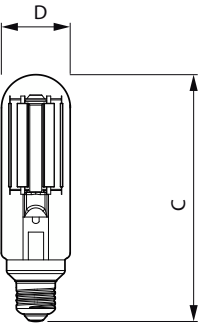
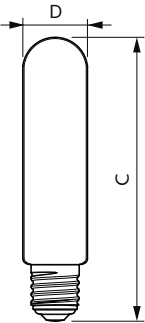
Product standard image



LEDTForce MAS SONT EU1

MASTER - LED HID SON-T - Ultra Efficient

Dimensional drawing



| Product | D | C |
|---------------------------------------|-------|--------|
| MAS LED SON-T UE M 8Klm 42.8W 727 E40 | 53 mm | 236 mm |
| MAS LED SON-T UE M 9Klm 42.8W 740 E40 | 53 mm | 236 mm |

| Product | D | C |
|---------------------------------------|-------|--------|
| MAS LED SON-T UE M 3.6Klm 19W 727 E27 | 47 mm | 174 mm |
| MAS LED SON-T UE M 4Klm 19W 740 E27 | 47 mm | 174 mm |

| Product | D | C |
|---|-------|--------|
| MAS LED SON-T UE M 5.4Klm 28.5W 727 E27 | 47 mm | 194 mm |
| MAS LED SON-T UE M 6Klm 28.5W 740 E27 | 47 mm | 194 mm |

| Product | D | C |
|---------------------------------------|-------|--------|
| MAS LED SON-T UE M 8Klm 42.8W 727 E40 | 53 mm | 236 mm |
| MAS LED SON-T UE M 9Klm 42.8W 740 E40 | 53 mm | 236 mm |

MASTER - LED HID SON-T - Ultra Efficient

| General Information | |
|---------------------------------------|----------------|
| Switching Cycle | 50,000 |
| Nominal lifetime | 50,000 hour(s) |
| Light Technical | |
| Beam Angle (Nom) | 300 degree(s) |
| Color rendering index (CRI) | 70 |
| LLMF At End Of Nominal Lifetime (Nom) | 70 % |
| Operating and Electrical | |
| Input 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 |
|--------------|---|----------|
| 929003677432 | MAS LED SON-T UE M 6Klm 28.5W 740 E27 | E27 |
| 929003677602 | MAS LED SON-T UE M 9Klm 42.8W 740 E40 | E40 |
| 929003677332 | MAS LED SON-T UE M 5.4Klm 28.5W 727 E27 | E27 |
| 929003677132 | MAS LED SON-T UE M 3.6Klm 19W 727 E27 | E27 |
| 929003677232 | MAS LED SON-T UE M 4Klm 19W 740 E27 | E27 |
| 929003677502 | MAS LED SON-T UE M 8Klm 42.8W 727 E40 | E40 |

Light Technical

| Order Code | Full Product Name | Correlated Color | | |
|--------------|---|-------------------|------------|---------------|
| | | Temperature (Nom) | Color Code | Luminous Flux |
| 929003677432 | MAS LED SON-T UE M 6Klm 28.5W 740 E27 | 4000 K | 740 | 6,000 lm |
| 929003677602 | MAS LED SON-T UE M 9Klm 42.8W 740 E40 | 4000 K | 740 | 9,000 lm |
| 929003677332 | MAS LED SON-T UE M 5.4Klm 28.5W 727 E27 | 2700 K | 727 | 5,400 lm |

| Order Code | Full Product Name | Correlated Color | | |
|--------------|---------------------------------------|-------------------|------------|---------------|
| | | Temperature (Nom) | Color Code | Luminous Flux |
| 929003677132 | MAS LED SON-T UE M 3.6Klm 19W 727 E27 | 2700 K | 727 | 3,600 lm |
| 929003677232 | MAS LED SON-T UE M 4Klm 19W 740 E27 | 4000 K | 740 | 4,000 lm |
| 929003677502 | MAS LED SON-T UE M 8Klm 42.8W 727 E40 | 2700 K | 727 | 8,000 lm |

Operating and Electrical

| Order Code | Full Product Name | Line Frequency | Power |
|--------------|---|----------------|-------------|
| | | | Consumption |
| 929003677432 | MAS LED SON-T UE M 6Klm 28.5W 740 E27 | - | 28.5 W |
| 929003677602 | MAS LED SON-T UE M 9Klm 42.8W 740 E40 | 50 to 60 Hz | 42.8 W |
| 929003677332 | MAS LED SON-T UE M 5.4Klm 28.5W 727 E27 | - | 28.5 W |

| Order Code | Full Product Name | Line Frequency | Power |
|--------------|---------------------------------------|----------------|-------------|
| | | | Consumption |
| 929003677132 | MAS LED SON-T UE M 3.6Klm 19W 727 E27 | - | 19 W |
| 929003677232 | MAS LED SON-T UE M 4Klm 19W 740 E27 | - | 19 W |
| 929003677502 | MAS LED SON-T UE M 8Klm 42.8W 727 E40 | 50 to 60 Hz | 42.8 W |

Temperature

| Order Code | Full Product Name | T-Case Maximum (Nom) |
|--------------|---|----------------------|
| 929003677432 | MAS LED SON-T UE M 6Klm 28.5W 740 E27 | 48.21 °C |
| 929003677602 | MAS LED SON-T UE M 9Klm 42.8W 740 E40 | 49.79 °C |
| 929003677332 | MAS LED SON-T UE M 5.4Klm 28.5W 727 E27 | 48.21 °C |

| Order Code | Full Product Name | T-Case Maximum (Nom) |
|--------------|---------------------------------------|----------------------|
| 929003677132 | MAS LED SON-T UE M 3.6Klm 19W 727 E27 | 40.46 °C |
| 929003677232 | MAS LED SON-T UE M 4Klm 19W 740 E27 | 40.46 °C |
| 929003677502 | MAS LED SON-T UE M 8Klm 42.8W 727 E40 | 49.79 °C |

MASTER - LED HID SON-T - Ultra Efficient

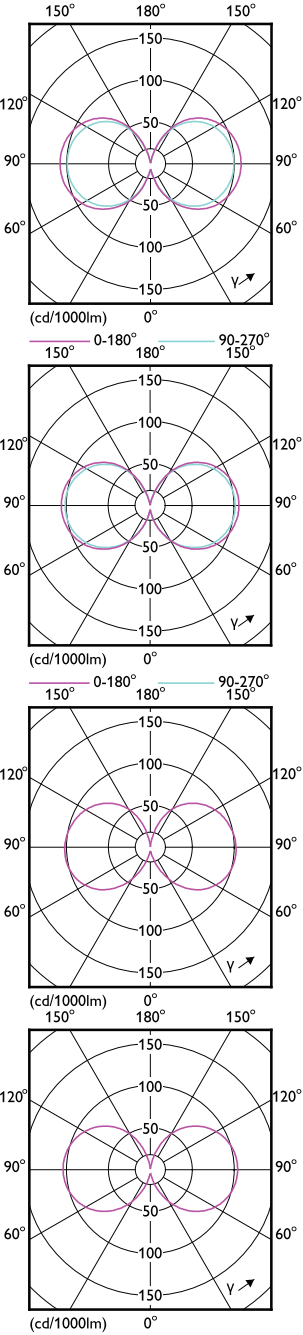
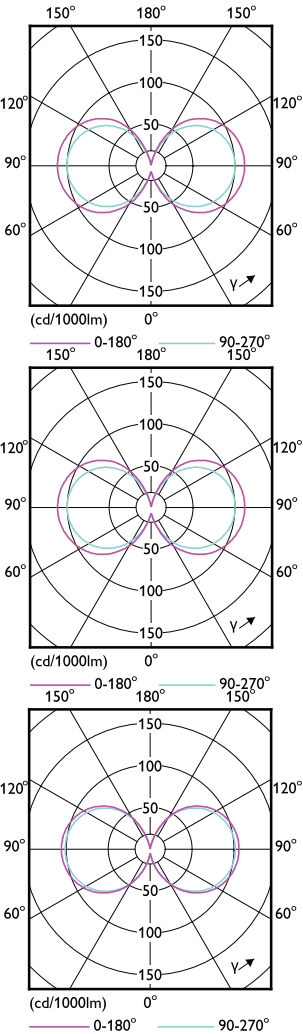
Mechanical and Housing

| Order Code | Full Product Name | Bulb Shape |
|--------------|---|------------|
| 929003677432 | MAS LED SON-T UE M 6Klm 28.5W 740 E27 | T46 |
| 929003677602 | MAS LED SON-T UE M 9Klm 42.8W 740 E40 | T52 |
| 929003677332 | MAS LED SON-T UE M 5.4Klm 28.5W 727 E27 | T46 |

| Order Code | Full Product Name | Bulb Shape |
|--------------|---------------------------------------|------------|
| 929003677132 | MAS LED SON-T UE M 3.6Klm 19W 727 E27 | T46 |
| 929003677232 | MAS LED SON-T UE M 4Klm 19W 740 E27 | T46 |
| 929003677502 | MAS LED SON-T UE M 8Klm 42.8W 727 E40 | T52 |

Approval and Application

| Order Code | Full Product Name | Energy Consumption kWh/1000 h |
|--------------|---|----------------------------------|
| 929003677432 | MAS LED SON-T UE M 6Klm 28.5W 740 E27 | 29 kWh |
| 929003677602 | MAS LED SON-T UE M 9Klm 42.8W 740 E40 | 43 kWh |
| 929003677332 | MAS LED SON-T UE M 5.4Klm 28.5W 727 E27 | 29 kWh |
| 929003677132 | MAS LED SON-T UE M 3.6Klm 19W 727 E27 | 19 kWh |
| 929003677232 | MAS LED SON-T UE M 4Klm 19W 740 E27 | 19 kWh |
| 929003677502 | MAS LED SON-T UE M 8Klm 42.8W 727 E40 | 43 kWh |



MASTER - LED HID SON-T - Ultra Efficient

