



MASTER - LED HID SON-T - Ultra Efficient



MAS LED SON-T UE M 3.6Klm 19W 727 E27

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.

Warnings and Safety

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

Product data

| General Information | |
|----------------------------|----------------|
| Cap-Base | E27 |
| Nominal lifetime | 50,000 hour(s) |
| Switching Cycle | 50,000 |
| Lighting Technology | LED |
| Flux measurement reference | Sphere |
| Value ladder | Performance |
| CE mark | Yes |
| EU RoHS compliant | Yes |

| Light Technical | |
|---------------------------------------|--------------------|
| Color Code | 727 [CCT of 2700K] |
| Beam Angle (Nom) | 300 degree(s) |
| Luminous Flux | 3,600 lm |
| Color Designation | Warm White (WW) |
| Correlated Color Temperature (Nom) | 2700 K |
| Luminous Efficacy (rated) (Nom) | 189 lm/W |
| Color Consistency | <6 |
| Color rendering index (CRI) | 70 |
| LLMF At End Of Nominal Lifetime (Nom) | 70 % |

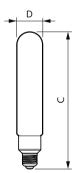
Datasheet, 2024, March 18 data subject to change

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| Flickering value (PstLM) - Flickering value as per | 1 |
|--|---------------|
| EN 61000-3-3 | |
| Stroboscopic effect visibility measure (SVM) | 2 |
| Photobiological safety according to EN 62471 | RG1 |
| | |
| Operating and Electrical | |
| Line Frequency | 50 to 60 Hz |
| Input Frequency | 50 to 60 Hz |
| Power Consumption | 19 W |
| Lamp Current (Nom) | 89 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 |
| Voltage (Nom) | 220 V |
| Inrush current at mains | 29.7 |
| Max. lamp no. on MCB B type 10A - Mains | 7 |
| Max. lamp no. on MCB B type 10A – EM ballast | - |
| without Comp. Cap. | |
| Max. lamp no. on MCB B type 10A – EM ballast | - |
| with Comp. Cap. | |
| Max. lamp no. on MCB B type 16A - Mains | 12 |
| Max. lamp no. on MCB B type 16A – EM ballast | - |
| without Comp. Cap. | |
| Max. lamp no. on MCB B type 16A – EM ballast | - |
| with Comp. Cap. | |
| Ballast Compatibility | Mains |
| | |
| Temperature | |
| Ambient temperature range | -30 to +45 °C |

| Controls and Dimming Dimmable No Mechanical and Housing Bulb Finish Clear Bulb Shape T46 Approval and Application Energy Efficiency Class Energy Consumption kWh/1000 h 19 kWh EPREL Registration Number 1593366 Product Data Order product name MAS LED SON-T UE M 3.6Klm 19W 727 E27 Full product code 872016924029200 Order code 929003677102 | T-Case Maximum (Nom) | 39.56 ℃ | |
|--|---------------------------------|-------------------------------|--|
| Dimmable No Mechanical and Housing Bulb Finish Clear Bulb Shape T46 Approval and Application Energy Efficiency Class Energy Consumption kWh/1000 h 19 kWh EPREL Registration Number 1593366 Product Data Order product name MAS LED SON-T UE M 3.6Klm 19W 727 E27 Full product name MAS LED SON-T UE M 3.6Klm 19W 727 E27 Full product code 872016924029200 | | | |
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| Bulb Finish Clear Bulb Shape T46 Approval and Application Energy Efficiency Class B Energy Consumption kWh/1000 h 19 kWh EPREL Registration Number 1593366 Product Data Order product name MAS LED SON-T UE M 3.6Klm 19W 727 E27 Full product name MAS LED SON-T UE M 3.6Klm 19W 727 E27 Full product code 872016924029200 | | | |
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| Energy Consumption kWh/1000 h | Approval and Application | | |
| EPREL Registration Number 1593366 Product Data MAS LED SON-T UE M 3.6Klm 19W 727 E27 Full product name MAS LED SON-T UE M 3.6Klm 19W 727 E27 Full product code 872016924029200 | Energy Efficiency Class | В | |
| Product Data Order product name MAS LED SON-T UE M 3.6Klm 19W 727 E27 Full product name MAS LED SON-T UE M 3.6Klm 19W 727 E27 Full product code 872016924029200 | Energy Consumption kWh/1000 h | 19 kWh | |
| Order product name MAS LED SON-T UE M 3.6Klm 19W 727 E27 Full product name MAS LED SON-T UE M 3.6Klm 19W 727 E27 Full product code 872016924029200 | EPREL Registration Number | 1593366 | |
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| 727 E27 Full product code 872016924029200 | | 727 E27 | |
| Full product code 872016924029200 | Full product name | MAS LED SON-T UE M 3.6Klm 19W | |
| | | 727 E27 | |
| Order code 929003677102 | Full product code | 872016924029200 | |
| | Order code | 929003677102 | |
| Material Nr. (12NC) 929003677102 | Material Nr. (12NC) | 929003677102 | |
| Numerator - Quantity Per Pack 1 | Numerator - Quantity Per Pack | 1 | |
| EAN/UPC - Product/Case 8720169240292 | EAN/UPC - Product/Case | 8720169240292 | |
| Numerator - Packs per outer box 6 | Numerator - Packs per outer box | 6 | |
| EAN/UPC - Case 8720169240308 | EAN/UPC - Case | 8720169240308 | |

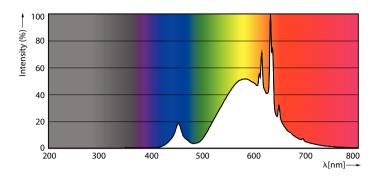
Dimensional drawing

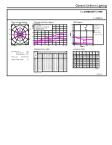


| Product | D | С |
|---------------------------------------|-------|--------|
| MAS LED SON-T UE M 3.6Klm 19W 727 E27 | 47 mm | 237 mm |

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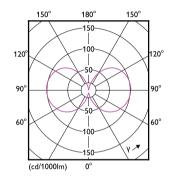
Photometric data





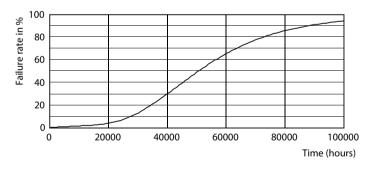
Spectral Power Distribution Colour - MAS LED SON-T UE M 3.6Klm 19W 727 E27

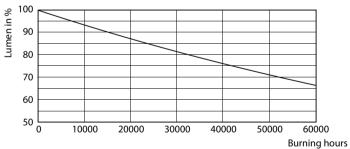
General uniform lighting - MAS LED SON-T UE M 3.6Klm 19W 727 E27



Light Distribution Diagram - MAS LED SON-T UE M 3.6Klm 19W 727 E27

Lifetime





Life Expectancy Diagram - MAS LED SON-T UE M 3.6Klm 19W 727 E27

Lumen Maintenance Diagram - MAS LED SON-T UE M 3.6Klm 19W 727 E27

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