



# MASTER - LED HID SON-T - Ultra Efficient



## MAS LED SON-T UE M 6Klm 28.5W 740 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                | Luminous Flux                                | 6,000 lm        |
| Nominal lifetime           | 50,000 hour(s)     | Color Designation                            | Cool White (CW) |
| Switching Cycle            | 50,000             | Correlated Color Temperature (Nom)           | 4000 K          |
| Lighting Technology        | LED                | Luminous Efficacy (rated) (Nom)              | 210 lm/W        |
| Flux measurement reference | Sphere             | Color Consistency                            | <6              |
| Value ladder               | Performance        | Color rendering index (CRI)                  | 70              |
| Light Technical            |                    | LLMF At End Of Nominal Lifetime (Nom)        | 70 %            |
| Color Code                 | 740 [CCT of 4000K] | Photobiological safety according to EN 62471 | RG1             |
| Beam Angle (Nom)           | 300 degree(s)      | Operating and Electrical                     |                 |
|                            |                    | Input Frequency                              | 50 to 60 Hz     |

MASTER - LED HID SON-T - Ultra Efficient

|  |           |
|--|-----------|
| Power Consumption  | 28.5 W    |
| Lamp Current (Nom)   | 130 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     |
| Inrush current at mains  | 24.6      |
| Max. lamp no. on MCB B type 10A - Mains                                      | 8         |
| 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                                      | 14        |
| 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.    | -         |

Temperature

|                      |          |
|----------------------|----------|
| T-Case Maximum (Nom) | 48.21 °C |
|----------------------|----------|

Controls and Dimming

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

Mechanical and Housing

|                    |          |
|--------------------|----------|
| Bulb Finish        | Clear    |
| Bulb Shape         | T46      |
| Net Weight (Piece) | 0.122 kg |

|   |               |
|---|---------------|
| Approval and Application  |               |
| Energy Efficiency Class   | A             |
| Energy Consumption kWh/1000 h                                   | 29 kWh        |
| EPREL Registration Number                                       | 2096238       |
| 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 |

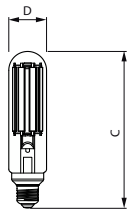
Application Conditions

|                                     |     |
|-------------------------------------|-----|
| can it be used in closed luminaires | Yes |
|-------------------------------------|-----|

Product Data

|                                 |                                       |
|---------------------------------|---------------------------------------|
| Order product name              | MAS LED SON-T UE M 6Klm 28.5W 740 E27 |
| Full product name               | MAS LED SON-T UE M 6Klm 28.5W 740 E27 |
| Full product code               | 872016937425600                       |
| Order code                      | 929003677432                          |
| Material Nr. (12NC)             | 929003677432                          |
| Numerator - Quantity Per Pack   | 1                                     |
| EAN/UPC - Product/Case          | 8720169374256                         |
| Numerator - Packs per outer box | 6                                     |
| EAN/UPC - Case                  | 8720169374263                         |

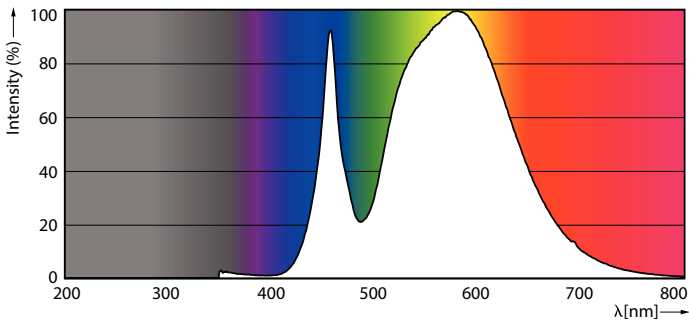
Dimensional drawing



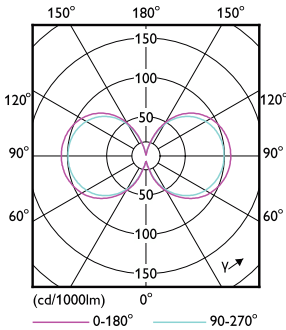
| Product                               | D     | C      |
|---------------------------------------|-------|--------|
| MAS LED SON-T UE M 6Klm 28.5W 740 E27 | 47 mm | 174 mm |

MASTER - LED HID SON-T - Ultra Efficient

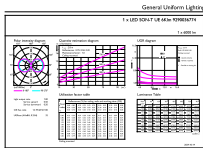
Photometric data



Spectral Power Distribution Colour - MAS LED SON-T UE M 6Klm 28.5W 740 E27

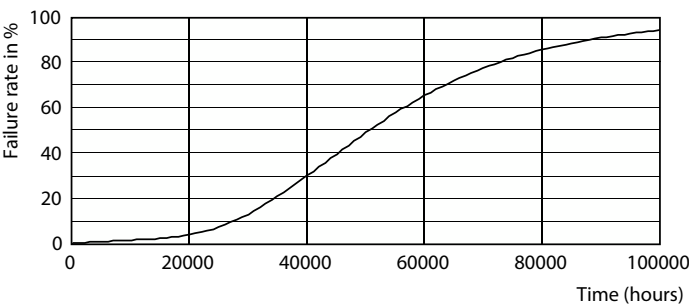


Light Distribution Diagram - MAS LED SON-T UE M 6Klm 28.5W 740 E27

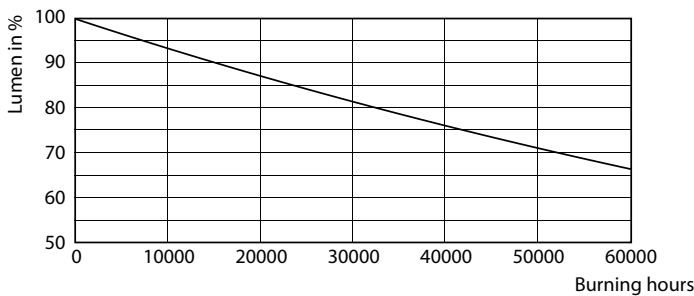


General uniform lighting - MAS LED SON-T UE M 6Klm 28.5W 740 E27

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LED SON-T UE M 6Klm 28.5W 740 E27

## MASTER - LED HID SON-T - Ultra Efficient

