



MASTER SON-T PIA Plus



MSTSON-TPIA Plus 70W E27 1CT/12

High Pressure Sodium lamp with clear tubular outer bulb, high output and long reliable lifetime

Warnings and Safety

- Control gear must include end-of-life protection (IEC60662, IEC 62035)
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

Product data

| General information | | | |
|--------------------------------|-----------------------------------|------------------------------------|--------------|
| Cap-Base | E27 [E27] | Lumen Maintenance 2000 h (Nom) | 95 % |
| Operating Position | UNIVERSAL [Any or Universal (U)] | Lumen Maintenance 5000 h (Min) | 85 % |
| Life to 5% Failures (Nom) | 17000 h | Lumen Maintenance 5000 h (Nom) | 92 % |
| Life To 10% Failures (Nom) | 20000 h | Chromaticity Coordinate X (Nom) | 0.54 |
| Life to 20% Failures (Nom) | 23500 h | Chromaticity Coordinate Y (Nom) | 0.42 |
| Life to 50% Failures (Nom) | 28000 h | Correlated Color Temperature (Nom) | 1900 K |
| ANSI Code HID | - | Luminous Efficacy (rated) (Nom) | 91 lm/W |
| System Description | External Ignitor | Color Rendering Index (Max) | 25 |
| Flux measurement reference | Sphere | Color Rendering Index (Nom) | - |
| Light technical | | Operating and electrical | |
| Color Code | 220 [CCT of 2000K] | Lamp supply voltage | 220 V [220] |
| Luminous Flux (Nom) | 6600 lm | Power (Nom) | 73.0 W |
| Luminous Flux (Rated) (Min) | 5940 lm | Lamp Current (EM) (Nom) | 0.975 A |
| Luminous Flux (Rated) (Nom) | 6600 lm | Ignition Supply Voltage (Max) | 198 V |
| Lumen Maintenance 2000 h (Min) | 90 % | Ignition Peak Voltage (Max) | 1800 V |
| | | Re-Ignition Time (Min) (Max) | 30 s |

MASTER SON-T PIA Plus

| | |
|---------------------|-------|
| Ignition Time (Max) | 5 s |
| Voltage (Max) | 103 V |
| Voltage (Min) | 73 V |
| Voltage (Nom) | 93 V |

Controls and dimming

| | |
|-----------------------|-------|
| Dimmable | Yes |
| Run-Up Time 90% (Max) | 4 min |

Mechanical and housing

| | |
|----------------------|---------------|
| Bulb Finish | Clear |
| Cap-Base Information | - |
| Bulb Shape | T35 [T 35mm] |

Approval and application

| | |
|----------------------------|---------|
| Energy Efficiency Class | G |
| Mercury (Hg) Content (Max) | 12.2 mg |
| Mercury (Hg) Content (Nom) | 12.2 mg |

| | |
|-------------------------------|--------|
| Energy Consumption kWh/1000 h | 73 kWh |
| EPREL Registration Number | 473288 |

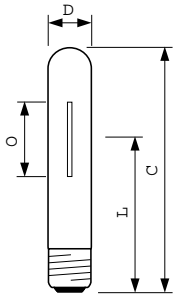
Luminaire design requirements

| | |
|----------------------------|--------|
| Bulb Temperature (Max) | 350 °C |
| Cap-Base Temperature (Max) | 200 °C |

Product data

| | |
|---------------------------------|---------------------------------|
| Full product code | 871829118069200 |
| Order product name | MSTSON-TPIA Plus 70W E27 1CT/12 |
| EAN/UPC - Product | 8718291180692 |
| Order code | 928483200094 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 12 |
| Material Nr. (12NC) | 928483200094 |
| Net Weight (Piece) | 46.000 g |

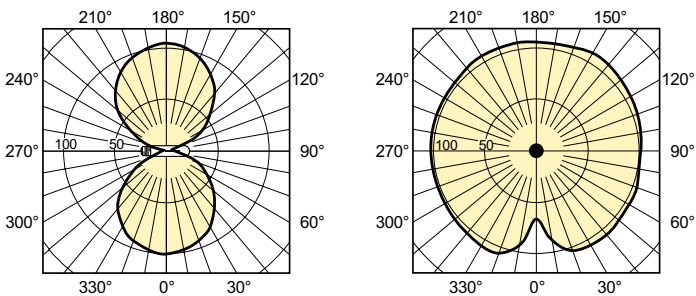
Dimensional drawing



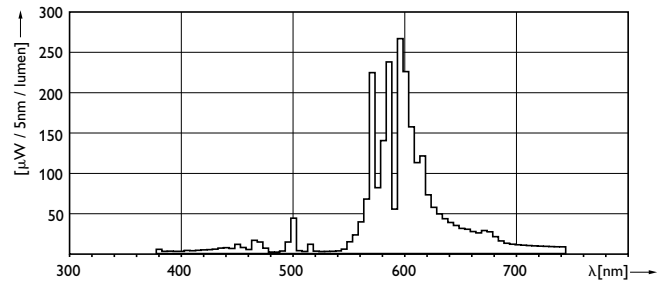
MSTSON-TPIA Plus 70W E27 1CT/12

| Product | D (max) | O | L | C (max) |
|---------------------------------|----------|-------|--------|---------|
| MSTSON-TPIA Plus 70W E27 1CT/12 | 35.75 mm | 42 mm | 102 mm | 156 mm |

Photometric data



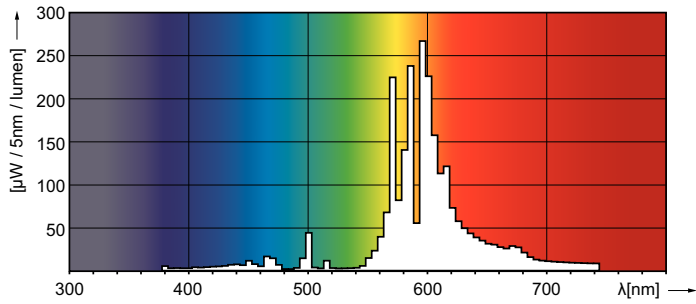
LDLD_SON-TPIA-Light distribution diagram



LDPB_SON-TPIA_0015-Spectral power distribution B/W

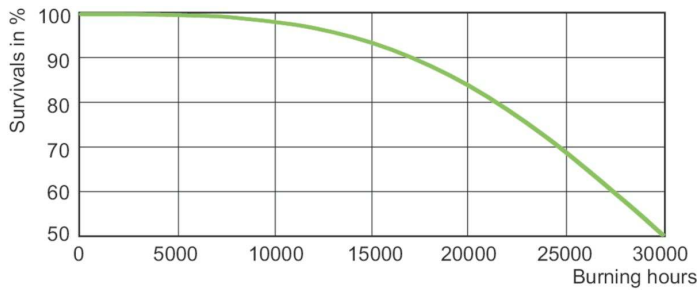
MASTER SON-T PIA Plus

Photometric data

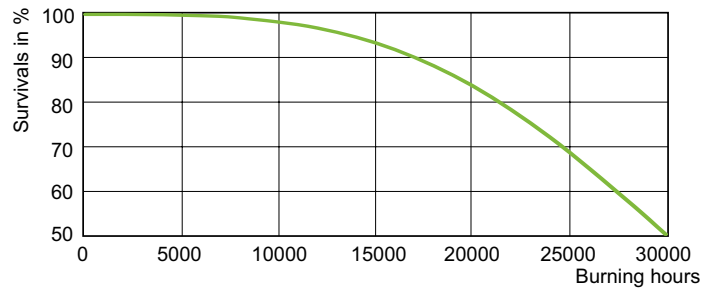


LDPO_SON-TPIA_0015-Spectral power distribution Colour

Lifetime



LDLE_SON-TPIA_0006-Life expectancy diagram



Life Expectancy SON-T Plus 70W E E27, SON-T Plus 100W E E40

