



Product Description

MASTER SON-T PIA Plus

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

Benefits

- Superior technology results in a long and reliable lifetime, high lumen maintenance and a reliable ignition over lifetime
- High energy efficacy and absence of lead (Pb) makes this a sound environmental offer
- High luminous efficacy makes this the most energy efficient HPS lamp

Features

- Clear tubular outer bulb
- Ceramic discharge tube with Philips Integrated Antenna (PIA) for a long and reliable lifetime
- Robust construction with few welding points is highly vibration- and shock-resistant, further reducing early failures and extending lamp life
- ZrCo getter ensures high lumen maintenance and few early failures
- "Plus" concept with high efficacy translated into high light output
- Completely lead-free lamps

Application

- Road and residential lighting
- Decorative floodlighting, illumination
- Industrial area lighting
- Recreational sports facilities Outdoor and Indoor
- Horticultural lighting

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.

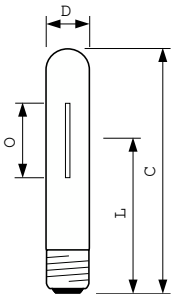
MASTER SON-T PIA Plus

Versions



LPPR SON-TPIA 0007

Dimensional drawing



| Product | D (max) | O | L | C (max) |
|--|---------|-------|--------|---------|
| MST SON-T PIA Plus 100W/220 E40 1SL/12 | 48 mm | 47 mm | 132 mm | 210 mm |
| MST SON-T PIA Plus 250W E40 1SL/12 | 48 mm | 64 mm | 158 mm | 257 mm |
| MST SON-T PIA Plus 400W E40 1SL/12 | 48 mm | 83 mm | 175 mm | 279 mm |
| MST SON-T PIA Plus 70W/220 E27 1SL/12 | 36 mm | 42 mm | 104 mm | 156 mm |

| General Information | |
|-----------------------------|-----------|
| Operating Position | UNIVERSAL |
| Light Technical | |
| Color rendering index (CRI) | - |
| Controls and Dimming | |
| Dimmable | Yes |
| Mechanical and Housing | |
| Bulb Finish | Clear |

General Information

| Order Code | Full Product Name | Cap-Base |
|--------------|------------------------------------|----------|
| 928144709293 | MST SON-T PIA Plus 250W E40 1SL/12 | E40 |
| 928144809293 | MST SON-T PIA Plus 400W E40 1SL/12 | E40 |

| Order Code | Full Product Name | Cap-Base |
|--------------|--|----------|
| 928151709230 | MST SON-T PIA Plus 100W/220 E40 1SL/12 | E40 |
| 928152700028 | MST SON-T PIA Plus 70W/220 E27 1SL/12 | E27 |

Light Technical

| Order Code | Full Product Name | Chromaticity Coordinate X (Nom) | Chromaticity Coordinate Y (Nom) | Correlated Color Temperature (Nom) | Luminous Efficacy (rated) (Nom) | Luminous Flux |
|--------------|------------------------------------|------------------------------------|------------------------------------|---------------------------------------|------------------------------------|---------------|
| 928144709293 | MST SON-T PIA Plus 250W E40 1SL/12 | 0.535 | 0.420 | 2000 K | 125 lm/W | 33,000 lm |

MASTER SON-T PIA Plus

| Order Code | Full Product Name | Chromaticity | Chromaticity | Correlated Color | Luminous Efficacy (rated) | Luminous Flux |
|--------------|--|--------------------|--------------------|-------------------|---------------------------|---------------|
| | | Coordinate X (Nom) | Coordinate Y (Nom) | Temperature (Nom) | (Nom) | |
| 928144809293 | MST SON-T PIA Plus 400W E40 1SL/12 | 0.535 | 0.42 | 2000 K | 137 lm/W | 55,900 lm |
| 928151709230 | MST SON-T PIA Plus 100W/220 E40 1SL/12 | 0.535 | 0.42 | 2000 K | 105 lm/W | 10,600 lm |
| 928152700028 | MST SON-T PIA Plus 70W/220 E27 1SL/12 | 0.54 | 0.42 | 1900 K | 90 lm/W | 6,650 lm |

Operating and Electrical

| Order Code | Full Product Name | Voltage (Nom) | Power Consumption |
|--------------|------------------------------------|---------------|-------------------|
| 928144709293 | MST SON-T PIA Plus 250W E40 1SL/12 | 102 V | 264 W |
| 928144809293 | MST SON-T PIA Plus 400W E40 1SL/12 | 105 V | 408.0 W |

| Order Code | Full Product Name | Voltage (Nom) | Power Consumption |
|--------------|--|---------------|-------------------|
| 928151709230 | MST SON-T PIA Plus 100W/220 E40 1SL/12 | 100 V | 101.0 W |
| 928152700028 | MST SON-T PIA Plus 70W/220 E27 1SL/12 | 92 V | 74 W |

Mechanical and Housing

| Order Code | Full Product Name | Bulb Shape |
|--------------|------------------------------------|------------|
| 928144709293 | MST SON-T PIA Plus 250W E40 1SL/12 | T46 |
| 928144809293 | MST SON-T PIA Plus 400W E40 1SL/12 | T46 |

| Order Code | Full Product Name | Bulb Shape |
|--------------|--|------------|
| 928151709230 | MST SON-T PIA Plus 100W/220 E40 1SL/12 | T46 |
| 928152700028 | MST SON-T PIA Plus 70W/220 E27 1SL/12 | T35 |

Approval and Application

| Order Code | Full Product Name | Energy Consumption kWh/1000 h | Mercury (Hg) Content (Max) | Mercury (Hg) Content (Nom) |
|--------------|--|-------------------------------|----------------------------|----------------------------|
| 928144709293 | MST SON-T PIA Plus 250W E40 1SL/12 | 257 kWh | 15.1 mg | 15.1 mg |
| 928144809293 | MST SON-T PIA Plus 400W E40 1SL/12 | 408 kWh | 19.6 mg | 20 mg |
| 928151709230 | MST SON-T PIA Plus 100W/220 E40 1SL/12 | 101 kWh | 16.3 mg | 16.3 mg |
| 928152700028 | MST SON-T PIA Plus 70W/220 E27 1SL/12 | 73 kWh | 12.2 mg | 12.2 mg |

