



The most reliable solution in road lighting

MASTER SON PIA Plus

High Pressure Sodium lamp with opalized ovoid outer bulb, high output and long reliable lifetime

Benefits

- High efficacy/lumen output resulting in low energy cost
- Long and reliable lifetime reducing maintenance cost
- Constant light over lifetime

Features

- Ovoid, white coated outer bulb
- Ceramic discharge tube with Unique Philips Integrated Antenna (PIA) concept enabling long and reliable lifetime
- "Plus" concept with high efficacy translates into high light output and improved lumen maintenance
- Robust construction with few welding points is highly vibration- and shock-resistant, further reducing early failures and extending lamp life

Application

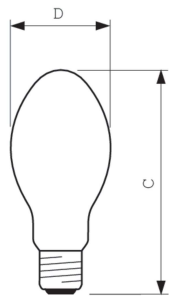
- Road and residential lighting
- Decorative floodlighting, illumination
- Industrial area lighting
- Recreational sports facilities, indoor and outdoor

MASTER SON PIA Plus

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.

Dimensional drawing



| Product | D (max) | C (max) |
|---|---------|---------|
| MASTER SON PIA Plus 150W/220 E40 1SL/12 | 91 mm | 227 mm |
| MASTER SON PIA Plus 400W/220 E40 1SL/12 | 122 mm | 290 mm |

| General Information | |
|------------------------------------|--------------|
| Cap-Base | E40 |
| Operating Position | UNIVERSAL |
| Light Technical | |
| Chromaticity Coordinate X (Nom) | 0.535 |
| Chromaticity Coordinate Y (Nom) | 0.42 |
| Correlated Color Temperature (Nom) | 2000 K |
| Color rendering index (CRI) | - |
| Controls and Dimming | |
| Dimmable | Yes |
| Mechanical and Housing | |
| Bulb Finish | Coated glass |

Light Technical

| Order Code | Full Product Name | Luminous Efficacy (rated) | |
|--------------|---|---------------------------|---------------|
| | | (Nom) | Luminous Flux |
| 928151409827 | MASTER SON PIA Plus 150W/220 E40 1SL/12 | 107.79 lm/W | 16,600 lm |
| 928153409830 | MASTER SON PIA Plus 400W/220 E40 1SL/12 | 136.27 lm/W | 55,600 lm |

Operating and Electrical

| Order Code | Full Product Name | Voltage (Nom) | Power Consumption |
|--------------|---|---------------|-------------------|
| 928151409827 | MASTER SON PIA Plus 150W/220 E40 1SL/12 | 100 V | 154.0 W |

| Order Code | Full Product Name | Voltage (Nom) | Power Consumption |
|--------------|---|---------------|-------------------|
| 928153409830 | MASTER SON PIA Plus 400W/220 E40 1SL/12 | 105 V | 408.0 W |

Mechanical and Housing

| Order Code | Full Product Name | Bulb Shape |
|--------------|---|------------|
| 928151409827 | MASTER SON PIA Plus 150W/220 E40 1SL/12 | BD90 |

| Order Code | Full Product Name | Bulb Shape |
|--------------|---|------------|
| 928153409830 | MASTER SON PIA Plus 400W/220 E40 1SL/12 | BD120 |

Approval and Application

MASTER SON PIA Plus

| Order Code | Full Product Name | Energy Consumption kWh/1000 h | Mercury (Hg) Content (Max) | Mercury (Hg) Content (Nom) |
|--------------|---|-------------------------------|----------------------------|----------------------------|
| 928151409827 | MASTER SON PIA Plus 150W/220 E40 ISL/12 | 154 kWh | 15.1 mg | 15 mg |
| 928153409830 | MASTER SON PIA Plus 400W/220 E40 ISL/12 | 408 kWh | 19.6 mg | 20 mg |

