



# Product Description

## SON

High Pressure Sodium lamp with opalized ovoid outer bulb

### Benefits

- SON is a cost-efficient and reliable solution in High Pressure Sodium
- SON Pro is a cost-efficient and reliable solution in High Pressure Sodium

### Features

- Ovoid, internally white coated outer bulb
- Ovoid, internally white coated outer bulb
- High luminous efficacy
- High luminous efficacy
- Robust construction is vibration- and shock-resistant leading to a reliable life
- Robust construction is vibration- and shock-resistant leading to a reliable life
- Dimming possible with dedicated gear
- Dimming possible with dedicated gear

### Application

- Road and residential lighting
- Road and residential lighting
- Decorative floodlighting
- Decorative floodlighting
- Commercial and industrial applications
- Commercial and industrial applications

### Warnings and Safety

- Control gear must include end-of-life protection (IEC60662, IEC 62035)
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- 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.
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Versions



LPPR SON E27 E26

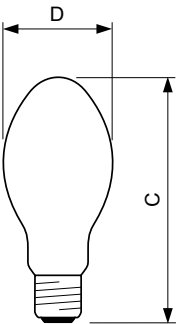


LPPR SON E40 E39



LPPR SON-I CO

Dimensional drawing



| Product                  | D (max) | C (max) |
|--------------------------|---------|---------|
| SON 150W E E40 CO 1SL/12 | 91 mm   | 226 mm  |
| SON 250W E E40 CO 1SL/12 | 91 mm   | 226 mm  |
| SON 400W E E40 CO 1SL/12 | 122 mm  | 290 mm  |
| SON 70W E E27 CO 1CT/24  | 71 mm   | 156 mm  |
| SON 70W/220 I E27 1CT/24 | 71 mm   | 155 mm  |

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

General Information

| Order Code   | Full Product Name        | Cap-Base |
|--------------|--------------------------|----------|
| 928486700091 | SON 70W E E27 CO 1CT/24  | E27      |
| 928486800091 | SON 150W E E40 CO 1SL/12 | E40      |
| 928486900091 | SON 250W E E40 CO 1SL/12 | E40      |

| Order Code   | Full Product Name        | Cap-Base |
|--------------|--------------------------|----------|
| 928487000091 | SON 400W E E40 CO 1SL/12 | E40      |
| 928150108828 | SON 70W/220 I E27 1CT/24 | E27      |

Light Technical

| Order Code   | Full Product Name        | Chromaticity Coordinate | Chromaticity Coordinate | Correlated Color Temperature | Luminous Efficacy (rated) (Nom) | Luminous Flux |
|--------------|--------------------------|-------------------------|-------------------------|------------------------------|---------------------------------|---------------|
|              |                          | X (Nom)                 | Y (Nom)                 | (Nom)                        |                                 |               |
| 928486700091 | SON 70W E E27 CO 1CT/24  | 0.540                   | 0.420                   | 1900 K                       | 80 lm/W                         | -             |
| 928486800091 | SON 150W E E40 CO 1SL/12 | -                       | -                       | 2000 K                       | 93 lm/W                         | -             |
| 928486900091 | SON 250W E E40 CO 1SL/12 | -                       | -                       | 2000 K                       | 106 lm/W                        | -             |
| 928487000091 | SON 400W E E40 CO 1SL/12 | -                       | -                       | 2000 K                       | 122 lm/W                        | -             |
| 928150108828 | SON 70W/220 I E27 1CT/24 | 0.54                    | 0.42                    | 1900 K                       | 78 lm/W                         | 5,600 lm      |

Operating and Electrical

| Order Code   | Full Product Name        | Voltage (Nom) | Power Consumption |
|--------------|--------------------------|---------------|-------------------|
| 928486700091 | SON 70W E E27 CO 1CT/24  | 95 V          | 72.5 W            |
| 928486800091 | SON 150W E E40 CO 1SL/12 | 100 V         | 147.0 W           |
| 928486900091 | SON 250W E E40 CO 1SL/12 | 100 V         | 250 W             |

| Order Code   | Full Product Name        | Voltage (Nom) | Power Consumption |
|--------------|--------------------------|---------------|-------------------|
| 928487000091 | SON 400W E E40 CO 1SL/12 | 105 V         | 400.0 W           |
| 928150108828 | SON 70W/220 I E27 1CT/24 | 90 V          | 71.5 W            |

Mechanical and Housing

| Order Code   | Full Product Name        | Bulb Shape |
|--------------|--------------------------|------------|
| 928486700091 | SON 70W E E27 CO 1CT/24  | BF70       |
| 928486800091 | SON 150W E E40 CO 1SL/12 | ED90       |
| 928486900091 | SON 250W E E40 CO 1SL/12 | ED90       |

| Order Code   | Full Product Name        | Bulb Shape |
|--------------|--------------------------|------------|
| 928487000091 | SON 400W E E40 CO 1SL/12 | ED120      |
| 928150108828 | SON 70W/220 I E27 1CT/24 | B70        |

Approval and Application

| Order Code   | Full Product Name        | Energy      | Mercury | Mercury |
|--------------|--------------------------|-------------|---------|---------|
|              |                          | Consumption | (Hg)    | (Hg)    |
|              |                          | kWh/1000 h  | Content | Content |
|              |                          |             | (Max)   | (Nom)   |
| 928486700091 | SON 70W E E27 CO 1CT/24  | 73 kWh      | 16.3 mg | 16.3 mg |
| 928486800091 | SON 150W E E40 CO 1SL/12 | 162 kWh     | -       | 20.4 mg |
| 928486900091 | SON 250W E E40 CO 1SL/12 | 275 kWh     | -       | 20.4 mg |
| 928487000091 | SON 400W E E40 CO 1SL/12 | 440 kWh     | -       | 24.5 mg |

| Order Code   | Full Product Name        | Energy      | Mercury | Mercury |
|--------------|--------------------------|-------------|---------|---------|
|              |                          | Consumption | (Hg)    | (Hg)    |
|              |                          | kWh/1000 h  | Content | Content |
|              |                          |             | (Max)   | (Nom)   |
| 928150108828 | SON 70W/220 I E27 1CT/24 | 72 kWh      | 16.3 mg | 16.3 mg |

