

# PHILIPS

SON

DSO



## Product Description

High Pressure Sodium lamp with opalized ovoid outer bulb

### Benefits

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

### Applications

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

### Features

- Ovoid, internally white coated outer bulb
- High luminous efficacy

- Robust construction is vibration- and shock-resistant leading to a reliable life
- Dimming possible with dedicated gear
- 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.

**Versions**



LPPR SON E27 E26

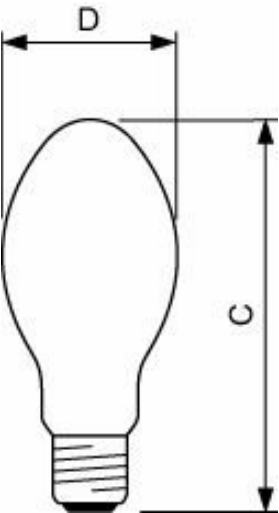


LPPR SON E40 E39



LPPR SON-I CO

**Dimensional drawing**



| Product                  | D (max) | C (max) |
|--------------------------|---------|---------|
| SON 250W E E40 CO 1SL/12 | 91 mm   | 226 mm  |
| SON 400W E E40 CO 1SL/12 | 122 mm  | 290 mm  |
| SON 50W/220 I E27 1CT/24 | 71 mm   | 156 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 [Any or Universal (U)]

**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      |
| 928486900091 | SON 250W E E40 CO 1SL/12 | E40      |
| 928487000091 | SON 400W E E40 CO 1SL/12 | E40      |
| 928150108828 | SON 70W/220 I E27 1CT/24 | E27      |
| 928150808828 | SON 50W/220 I E27 1CT/24 | E27      |

## Light Technical

| Order Code   | Full Product Name        | Luminous Flux | Chromaticity Coordinate X (Nom) | Chromaticity Coordinate Y (Nom) | Correlated Color Temperature (Nom) | Luminous Efficacy (rated) (Nom) |
|--------------|--------------------------|---------------|---------------------------------|---------------------------------|------------------------------------|---------------------------------|
| 928486700091 | SON 70W E E27 CO 1CT/24  | -             | 0.540                           | 0.420                           | 1900 K                             | 80 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 | 5,600 lm      | 0.54                            | 0.42                            | 1900 K                             | 78 lm/W                         |
| 928150808828 | SON 50W/220 I E27 1CT/24 | 3,700 lm      | 0.54                            | 0.42                            | 1900 K                             | 70 lm/W                         |

## Operating and Electrical

| Order Code   | Full Product Name        | Power Consumption | Voltage (Nom) |
|--------------|--------------------------|-------------------|---------------|
| 928486700091 | SON 70W E E27 CO 1CT/24  | 72.5 W            | 95 V          |
| 928486900091 | SON 250W E E40 CO 1SL/12 | 250 W             | 100 V         |
| 928487000091 | SON 400W E E40 CO 1SL/12 | 400.0 W           | 105 V         |
| 928150108828 | SON 70W/220 I E27 1CT/24 | 71.5 W            | 90 V          |
| 928150808828 | SON 50W/220 I E27 1CT/24 | 52.5 W            | 85 V          |

## Mechanical and Housing

| Order Code   | Full Product Name        | Bulb Shape |
|--------------|--------------------------|------------|
| 928486700091 | SON 70W E E27 CO 1CT/24  | BF70       |
| 928486900091 | SON 250W E E40 CO 1SL/12 | ED90       |
| 928487000091 | SON 400W E E40 CO 1SL/12 | ED120      |
| 928150108828 | SON 70W/220 I E27 1CT/24 | B70        |
| 928150808828 | SON 50W/220 I E27 1CT/24 | B70        |

## Approval and Application

| Order Code   | Full Product Name        | Mercury (Hg) Content (Max) | Mercury (Hg) Content (Nom) | Energy Consumption kWh/1000 h |
|--------------|--------------------------|----------------------------|----------------------------|-------------------------------|
| 928486700091 | SON 70W E E27 CO 1CT/24  | 14.3 mg                    | 14.3 mg                    | 73 kWh                        |
| 928486900091 | SON 250W E E40 CO 1SL/12 | -                          | 20.4 mg                    | 275 kWh                       |
| 928487000091 | SON 400W E E40 CO 1SL/12 | -                          | 24.5 mg                    | 440 kWh                       |
| 928150108828 | SON 70W/220 I E27 1CT/24 | 14.3 mg                    | 14.3 mg                    | 72 kWh                        |
| 928150808828 | SON 50W/220 I E27 1CT/24 | 12 mg                      | 12 mg                      | 53 kWh                        |