



# Product Description

## SON-T

High Pressure Sodium lamp with clear tubular outer bulb

### Benefits

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

### Features

- Clear tubular outer bulb
- High luminous efficacy
- Robust construction is vibration- and shock-resistant leading to a reliable life
- Dimming possible with dedicated gear

### Application

- Road and residential lighting
- Decorative floodlighting
- Commercial and industrial applications
- Recreational sports facilities Outdoor and Indoor

### 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.

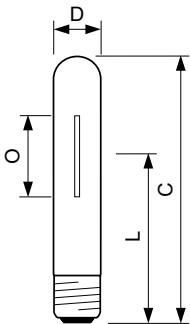
SON-T

Versions



LPPR SON-T E27

Dimensional drawing



| Product                  | D (max) | O      | L      | C (max) |
|--------------------------|---------|--------|--------|---------|
| SON-T 1000W E40 1SL/4    | 66 mm   | 153 mm | 240 mm | 390 mm  |
| SON-T 100W E E40 SL/12   | 47 mm   | 44 mm  | 132 mm | 209 mm  |
| SON-T 150W E E40 SL/12   | 47 mm   | 58 mm  | 132 mm | 209 mm  |
| SON-T 250W E E40 SL/12   | 47 mm   | 66 mm  | 158 mm | 255 mm  |
| SON-T 400W E E40 SL/12   | 47 mm   | 82 mm  | 175 mm | 286 mm  |
| SON-T 70W/220 E27 1CT/12 | 36 mm   | 42 mm  | 102 mm | 156 mm  |

| General Information                |           |
|------------------------------------|-----------|
| Operating Position                 | UNIVERSAL |
| Light Technical                    |           |
| Correlated Color Temperature (Nom) | 2000 K    |
| Color rendering index (CRI)        | -         |
| Controls and Dimming               |           |
| Dimmable                           | Yes       |
| Mechanical and Housing             |           |
| Bulb Finish                        | Clear     |

General Information

| Order Code | Full Product Name      | Cap-Base |
|------------|------------------------|----------|
| 18412245   | SON-T 1000W E40 1SL/4  | E40      |
| 21264500   | SON-T 100W E E40 SL/12 | E40      |
| 21270600   | SON-T 150W E E40 SL/12 | E40      |

| Order Code | Full Product Name        | Cap-Base |
|------------|--------------------------|----------|
| 21288100   | SON-T 250W E E40 SL/12   | E40      |
| 21292800   | SON-T 400W E E40 1SL/12  | E40      |
| 19267715   | SON-T 70W/220 E27 1CT/12 | E27      |

Light Technical

| Order Code | Full Product Name         | Chromaticity          | Chromaticity          | Luminous                  |
|------------|---------------------------|-----------------------|-----------------------|---------------------------|
|            |                           | Coordinate X<br>(Nom) | Coordinate Y<br>(Nom) | Efficacy (rated)<br>(Nom) |
| 18412245   | SON-T 1000W E40<br>1SL/4  | -                     | -                     | 130 lm/W                  |
| 21264500   | SON-T 100W E E40<br>SL/12 | -                     | -                     | 90 lm/W                   |
| 21270600   | SON-T 150W E E40<br>SL/12 | -                     | -                     | 98 lm/W                   |

| Order Code | Full Product Name           | Chromaticity          | Chromaticity          | Luminous                  |
|------------|-----------------------------|-----------------------|-----------------------|---------------------------|
|            |                             | Coordinate X<br>(Nom) | Coordinate Y<br>(Nom) | Efficacy (rated)<br>(Nom) |
| 21288100   | SON-T 250W E E40<br>SL/12   | -                     | -                     | 110 lm/W                  |
| 21292800   | SON-T 400W E E40<br>1SL/12  | -                     | -                     | 123 lm/W                  |
| 19267715   | SON-T 70W/220 E27<br>1CT/12 | 0.540                 | 0.413                 | 84 lm/W                   |

Operating and Electrical

| Order Code | Full Product Name      | Voltage (Nom) | Power Consumption |
|------------|------------------------|---------------|-------------------|
| 18412245   | SON-T 1000W E40 1SL/4  | 100 V         | 960.0 W           |
| 21264500   | SON-T 100W E E40 SL/12 | 100 V         | 100.0 W           |
| 21270600   | SON-T 150W E E40 SL/12 | 100 V         | 153 W             |

| Order Code | Full Product Name        | Voltage (Nom) | Power Consumption |
|------------|--------------------------|---------------|-------------------|
| 21288100   | SON-T 250W E E40 SL/12   | 100 V         | 255 W             |
| 21292800   | SON-T 400W E E40 1SL/12  | 100 V         | 392.0 W           |
| 19267715   | SON-T 70W/220 E27 1CT/12 | 90 V          | 70.0 W            |

Mechanical and Housing

| Order Code | Full Product Name      | Bulb Shape |
|------------|------------------------|------------|
| 18412245   | SON-T 1000W E40 1SL/4  | T65        |
| 21264500   | SON-T 100W E E40 SL/12 | T46        |
| 21270600   | SON-T 150W E E40 SL/12 | T46        |

| Order Code | Full Product Name        | Bulb Shape |
|------------|--------------------------|------------|
| 21288100   | SON-T 250W E E40 SL/12   | T46        |
| 21292800   | SON-T 400W E E40 1SL/12  | T46        |
| 19267715   | SON-T 70W/220 E27 1CT/12 | T35        |

Approval and Application

| Order Code | Full Product Name          | Energy                     | Mercury                  | Mercury                  |
|------------|----------------------------|----------------------------|--------------------------|--------------------------|
|            |                            | Consumption kWh/<br>1000 h | (Hg)<br>Content<br>(Max) | (Hg)<br>Content<br>(Nom) |
| 18412245   | SON-T 1000W E40<br>1SL/4   | 1,056 kWh                  | -                        | 23 mg                    |
| 21264500   | SON-T 100W E E40<br>SL/12  | 110 kWh                    | -                        | 18.36 mg                 |
| 21270600   | SON-T 150W E E40<br>SL/12  | 162 kWh                    | -                        | 20.4 mg                  |
| 21288100   | SON-T 250W E E40<br>SL/12  | 275 kWh                    | -                        | 20.4 mg                  |
| 21292800   | SON-T 400W E E40<br>1SL/12 | 431 kWh                    | -                        | 24.5 mg                  |

| Order Code | Full Product Name           | Energy                     | Mercury                  | Mercury                  |
|------------|-----------------------------|----------------------------|--------------------------|--------------------------|
|            |                             | Consumption kWh/<br>1000 h | (Hg)<br>Content<br>(Max) | (Hg)<br>Content<br>(Nom) |
| 19267715   | SON-T 70W/220 E27<br>1CT/12 | 77 kWh                     | 14.3 mg                  | 14.3 mg                  |

