



# 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

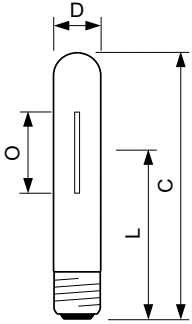
### Application

- Road and residential lighting
- Decorative floodlighting
- Commercial and industrial applications
- Recreational sports facilities indoor and outdoor

### 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) | O      | L      | C (max) |
|--------------------------|---------|--------|--------|---------|
| SON-T 1000W E E40 1SL/4  | 66 mm   | 145 mm | 240 mm | 390 mm  |
| SON-T 1000W E E40 1SL/4  | 66 mm   | 145 mm | 240 mm | 390 mm  |
| 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 100W E E40 1SL     | 47 mm   | 44 mm  | 132 mm | 209 mm  |
| SON-T 100W E E40 1SL/12  | 44 mm   | 47 mm  | 132 mm | 209 mm  |
| SON-T 150W E E40 SL/12   | 47 mm   | 58 mm  | 132 mm | 209 mm  |
| SON-T 150W E E40 1SL     | 47 mm   | 58 mm  | 132 mm | 209 mm  |
| SON-T 150W E E40 1SL/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 250W E E40 1SL     | 47 mm   | 66 mm  | 158 mm | 255 mm  |
| SON-T 250W E E40 1SL/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 400W E E40 1SL     | 47 mm   | 82 mm  | 175 mm | 286 mm  |
| SON-T 400W E E40 1SL/12  | 47 mm   | 82 mm  | 175 mm | 286 mm  |
| SON-T 70W E E27 1CT/12   | 36 mm   | 42 mm  | 132 mm | 209 mm  |
| SON-T 70W E E27 1SL      | 36 mm   | 42 mm  | 102 mm | 156 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 |
|--------------|-------------------------|----------|
| 928154509228 | SON-T 1000W E40 1SL/4   | E40      |
| 928481500092 | SON-T 100W E E40 SL/12  | E40      |
| 928481500097 | SON-T 100W E E40 1SL    | E40      |
| 928487100094 | SON-T 150W E E40 1SL/12 | E40      |
| 928487100096 | SON-T 150W E E40 SL/12  | E40      |
| 928487100097 | SON-T 150W E E40 1SL    | E40      |
| 928487200094 | SON-T 250W E E40 1SL/12 | E40      |
| 928487200097 | SON-T 250W E E40 1SL    | E40      |
| 928487200098 | SON-T 250W E E40 SL/12  | E40      |

| Order Code   | Full Product Name        | Cap-Base |
|--------------|--------------------------|----------|
| 928487300094 | SON-T 400W E E40 1SL/12  | E40      |
| 928487300097 | SON-T 400W E E40 1SL     | E40      |
| 928487300098 | SON-T 400W E E40 SL/12   | E40      |
| 928487400091 | SON-T 1000W E E40 1SL/4  | E40      |
| 928487400093 | SON-T 1000W E E40 1SL/4  | E40      |
| 928494709291 | SON-T 100W E E40 1SL/12  | E40      |
| 928152800035 | SON-T 70W/220 E27 1CT/12 | E27      |
| 928152800093 | SON-T 70W E E27 1SL      | E27      |
| 928494609291 | SON-T 70W E E27 1CT/12   | E27      |

## Light Technical

# SON-T

| Order Code   | Full Product Name       | Chromaticity Coordinate X (Nom) | Chromaticity Coordinate Y (Nom) | Luminous               |               |
|--------------|-------------------------|---------------------------------|---------------------------------|------------------------|---------------|
|              |                         |                                 |                                 | Efficacy (rated) (Nom) | Luminous Flux |
| 928154509228 | SON-T 1000W E40 1SL/4   | -                               | -                               | 130 lm/W               | -             |
| 928481500092 | SON-T 100W E E40 SL/12  | -                               | -                               | 90 lm/W                | -             |
| 928481500097 | SON-T 100W E E40 1SL    | -                               | -                               | 90 lm/W                | -             |
| 928487100094 | SON-T 150W E E40 1SL/12 | -                               | -                               | 98 lm/W                | -             |
| 928487100096 | SON-T 150W E E40 SL/12  | -                               | -                               | 98 lm/W                | -             |
| 928487100097 | SON-T 150W E E40 1SL    | -                               | -                               | 98 lm/W                | -             |
| 928487200094 | SON-T 250W E E40 1SL/12 | -                               | -                               | 110 lm/W               | -             |
| 928487200097 | SON-T 250W E E40 1SL    | -                               | -                               | 110 lm/W               | -             |
| 928487200098 | SON-T 250W E E40 SL/12  | -                               | -                               | 110 lm/W               | -             |
| 928487300094 | SON-T 400W E E40 1SL/12 | -                               | -                               | 123 lm/W               | -             |

| Order Code   | Full Product Name        | Chromaticity Coordinate X (Nom) | Chromaticity Coordinate Y (Nom) | Luminous               |               |
|--------------|--------------------------|---------------------------------|---------------------------------|------------------------|---------------|
|              |                          |                                 |                                 | Efficacy (rated) (Nom) | Luminous Flux |
| 928487300097 | SON-T 400W E E40 1SL     | -                               | -                               | 123 lm/W               | -             |
| 928487300098 | SON-T 400W E E40 SL/12   | -                               | -                               | 123 lm/W               | -             |
| 928487400091 | SON-T 1000W E E40 1SL/4  | -                               | -                               | 130 lm/W               | -             |
| 928487400093 | SON-T 1000W E E40 1SL/4  | -                               | -                               | 130 lm/W               | -             |
| 928494709291 | SON-T 100W E E40 1SL/12  | -                               | -                               | 95 lm/W                | 9,600 lm      |
| 928152800035 | SON-T 70W/220 E27 1CT/12 | 0.540                           | 0.413                           | 84 lm/W                | -             |
| 928152800093 | SON-T 70W E E27 1SL      | 0.540                           | 0.413                           | 84 lm/W                | -             |
| 928494609291 | SON-T 70W E E27 1CT/12   | -                               | -                               | 87 lm/W                | 6,250 lm      |

## Operating and Electrical

| Order Code   | Full Product Name       | Voltage (Nom) | Power Consumption |
|--------------|-------------------------|---------------|-------------------|
| 928154509228 | SON-T 1000W E40 1SL/4   | 100 V         | 960.0 W           |
| 928481500092 | SON-T 100W E E40 SL/12  | 100 V         | 100.0 W           |
| 928481500097 | SON-T 100W E E40 1SL    | 100 V         | 100.0 W           |
| 928487100094 | SON-T 150W E E40 1SL/12 | 100 V         | 153 W             |
| 928487100096 | SON-T 150W E E40 SL/12  | 100 V         | 153 W             |
| 928487100097 | SON-T 150W E E40 1SL    | 100 V         | 153 W             |
| 928487200094 | SON-T 250W E E40 1SL/12 | 100 V         | 255 W             |
| 928487200097 | SON-T 250W E E40 1SL    | 100 V         | 255 W             |
| 928487200098 | SON-T 250W E E40 SL/12  | 100 V         | 255 W             |

| Order Code   | Full Product Name        | Voltage (Nom) | Power Consumption |
|--------------|--------------------------|---------------|-------------------|
| 928487300094 | SON-T 400W E E40 1SL/12  | 100 V         | 392.0 W           |
| 928487300097 | SON-T 400W E E40 1SL     | 100 V         | 392.0 W           |
| 928487300098 | SON-T 400W E E40 SL/12   | 100 V         | 392.0 W           |
| 928487400091 | SON-T 1000W E E40 1SL/4  | 100 V         | 960.0 W           |
| 928487400093 | SON-T 1000W E E40 1SL/4  | 100 V         | 960.0 W           |
| 928494709291 | SON-T 100W E E40 1SL/12  | 100 V         | 101 W             |
| 928152800035 | SON-T 70W/220 E27 1CT/12 | 90 V          | 70.0 W            |
| 928152800093 | SON-T 70W E E27 1SL      | 90 V          | 70.0 W            |
| 928494609291 | SON-T 70W E E27 1CT/12   | 90 V          | 72 W              |

## Mechanical and Housing

| Order Code   | Full Product Name       | Bulb Shape |
|--------------|-------------------------|------------|
| 928154509228 | SON-T 1000W E40 1SL/4   | T65        |
| 928481500092 | SON-T 100W E E40 SL/12  | T46        |
| 928481500097 | SON-T 100W E E40 1SL    | T46        |
| 928487100094 | SON-T 150W E E40 1SL/12 | T46        |
| 928487100096 | SON-T 150W E E40 SL/12  | T46        |
| 928487100097 | SON-T 150W E E40 1SL    | T46        |
| 928487200094 | SON-T 250W E E40 1SL/12 | T46        |
| 928487200097 | SON-T 250W E E40 1SL    | T46        |
| 928487200098 | SON-T 250W E E40 SL/12  | T46        |

| Order Code   | Full Product Name        | Bulb Shape |
|--------------|--------------------------|------------|
| 928487300094 | SON-T 400W E E40 1SL/12  | T46        |
| 928487300097 | SON-T 400W E E40 1SL     | T46        |
| 928487300098 | SON-T 400W E E40 SL/12   | T46        |
| 928487400091 | SON-T 1000W E E40 1SL/4  | T65        |
| 928487400093 | SON-T 1000W E E40 1SL/4  | T65        |
| 928494709291 | SON-T 100W E E40 1SL/12  | T46        |
| 928152800035 | SON-T 70W/220 E27 1CT/12 | T35        |
| 928152800093 | SON-T 70W E E27 1SL      | T35        |
| 928494609291 | SON-T 70W E E27 1CT/12   | T35        |

## Approval and Application

# SON-T

| Order Code   | Full Product Name       | Energy Consumption kWh/1000 h | Mercury (Hg) Content (Nom) |
|--------------|-------------------------|-------------------------------|----------------------------|
| 928154509228 | SON-T 1000W E40 1SL/4   | 1056 kWh                      | 23 mg                      |
| 928481500092 | SON-T 100W E E40 SL/12  | 110 kWh                       | 18.36 mg                   |
| 928481500097 | SON-T 100W E E40 1SL    | 110 kWh                       | 18.36 mg                   |
| 928487100094 | SON-T 150W E E40 1SL/12 | 162 kWh                       | 20.4 mg                    |
| 928487100096 | SON-T 150W E E40 SL/12  | 162 kWh                       | 20.4 mg                    |
| 928487100097 | SON-T 150W E E40 1SL    | 162 kWh                       | 20.4 mg                    |
| 928487200094 | SON-T 250W E E40 1SL/12 | 275 kWh                       | 20.4 mg                    |
| 928487200097 | SON-T 250W E E40 1SL    | 275 kWh                       | 20.4 mg                    |
| 928487200098 | SON-T 250W E E40 SL/12  | 275 kWh                       | 20.4 mg                    |
| 928487300094 | SON-T 400W E E40 1SL/12 | 431 kWh                       | 24.5 mg                    |
| 928487300097 | SON-T 400W E E40 1SL    | 431 kWh                       | 24.5 mg                    |
| 928487300098 | SON-T 400W E E40 SL/12  | 431 kWh                       | 24.5 mg                    |
| 928487400091 | SON-T 1000W E E40 1SL/4 | 1056 kWh                      | 22.65 mg                   |

| Order Code   | Full Product Name        | Energy Consumption kWh/1000 h | Mercury (Hg) Content (Nom) |
|--------------|--------------------------|-------------------------------|----------------------------|
| 928487400093 | SON-T 1000W E E40 1SL/4  | 1056 kWh                      | 22.65 mg                   |
| 928494709291 | SON-T 100W E E40 1SL/12  | 110 kWh                       | 20.2 mg                    |
| 928152800035 | SON-T 70W/220 E27 1CT/12 | 77 kWh                        | 16.3 mg                    |
| 928152800093 | SON-T 70W E E27 1SL      | 77 kWh                        | 16.3 mg                    |
| 928494609291 | SON-T 70W E E27 1CT/12   | 77 kWh                        | 16.3 mg                    |

