



Product Description

SON-T

High Pressure Sodium lamp with clear tubular outer bulb

Benefits

- SON-T Pro 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.

| Controls and Dimming | |
|-------------------------------------|-------------------------|
| Dimmable | Yes |
| Operating and Electrical | |
| Voltage (Max) | 115 V |
| Voltage (Min) | 85 V |
| Voltage (Nom) | 100 V |
| General Information | |
| Cap-Base | E40 |
| Operating Position | UNIVERSAL |
| System Description | External Ignitor (E) |
| Luminaire Design Requirements | |
| Bulb Temperature (Max) | 450 °C |
| Light Technical | |
| Colour Code | 220 |
| Correlated Colour Temperature (Nom) | 2000 K |
| Colour Rendering Index (Max) | 25 |
| Colour Rendering Index (Nom) | - |
| Mechanical and Housing | |
| Bulb Finish | Clear |

Approval and Application

| Order Code | Full Product Name | Energy Consumption kWh/1000 h | Mercury (Hg) Content (Nom) |
|--------------|-------------------------|-------------------------------|----------------------------|
| 928487100096 | SON-T 150W E E40 SL/12 | 162 kWh | 20.4 mg |
| 928487200098 | SON-T 250W E E40 SL/12 | 275 kWh | 20.4 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 |

Operating and Electrical

| Order Code | Full Product Name | Lamp Current (EM) (Nom) | Power (Rated) (Nom) | Re-Ignition Time (Min) (Max) |
|--------------|---------------------------|-------------------------|---------------------|------------------------------|
| 928487100096 | SON-T 150W E E40 SL/12 | 1.8 A | 147.0 W | 180 s |
| 928487200098 | SON-T 250W E E40 SL/12 | 3 A | 250.0 W | 120 s |

| Order Code | Full Product Name | Lamp Current (EM) (Nom) | Power (Rated) (Nom) | Re-Ignition Time (Min) (Max) |
|--------------|----------------------------|-------------------------|---------------------|------------------------------|
| 928487300098 | SON-T 400W E E40 SL/12 | 4.6 A | 392.0 W | 120 s |
| 928487400091 | SON-T 1000W E E40 1SL/4 | 10.6 A | 960.0 W | 240 s |

General Information

| Order Code | Full Product Name | Life To 20% Failures (Nom) | Life To 50% Failures (Nom) | Life To 5% Failures (Nom) |
|--------------|---------------------------|----------------------------|----------------------------|---------------------------|
| 928487100096 | SON-T 150W E E40 SL/12 | 20000 h | 28000 h | 12000 h |
| 928487200098 | SON-T 250W E E40 SL/12 | 20000 h | 28000 h | 12000 h |

| Order Code | Full Product Name | Life To 20% Failures (Nom) | Life To 50% Failures (Nom) | Life To 5% Failures (Nom) |
|--------------|----------------------------|----------------------------|----------------------------|---------------------------|
| 928487300098 | SON-T 400W E E40 SL/12 | 20000 h | 28000 h | 12000 h |
| 928487400091 | SON-T 1000W E E40 1SL/4 | 14000 h | 20000 h | 8000 h |

Light Technical (1/2)

SON-T

| Order Code | Full Product Name | Lumen | | Lumen | |
|--------------|------------------------|--------------------------------|--------------------------|--------------------------------|--------------------------|
| | | Maintenance 2000 h (Min) (Nom) | Maintenance 2000 h (Nom) | Maintenance 5000 h (Min) (Nom) | Maintenance 5000 h (Nom) |
| 928487100096 | SON-T 150W E E40 SL/12 | 90 % | 95 % | 85 % | 90 % |
| 928487200098 | SON-T 250W E E40 SL/12 | 95 % | 98 % | 92 % | 96 % |
| 928487300098 | SON-T 400W E E40 SL/12 | 94 % | 97 % | 88 % | 94 % |

| Order Code | Full Product Name | Lumen | | Lumen | |
|--------------|------------------------|--------------------------------|--------------------------|--------------------------------|--------------------------|
| | | Maintenance 2000 h (Min) (Nom) | Maintenance 2000 h (Nom) | Maintenance 5000 h (Min) (Nom) | Maintenance 5000 h (Nom) |
| 928487400091 | SON-T 1000W E E40 SL/4 | 90 % | 95 % | 80 % | 90 % |

Light Technical (2/2)

| Order Code | Full Product Name | Luminous | | |
|--------------|------------------------|------------------------|-----------------------------|-----------------------------|
| | | Efficacy (rated) (Nom) | Luminous Flux (Rated) (Min) | Luminous Flux (Rated) (Nom) |
| 928487100096 | SON-T 150W E E40 SL/12 | 98 lm/W | 13500 lm | 15000 lm |
| 928487200098 | SON-T 250W E E40 SL/12 | 110 lm/W | 25200 lm | 28000 lm |

| Order Code | Full Product Name | Luminous | | |
|--------------|------------------------|------------------------|-----------------------------|-----------------------------|
| | | Efficacy (rated) (Nom) | Luminous Flux (Rated) (Min) | Luminous Flux (Rated) (Nom) |
| 928487300098 | SON-T 400W E E40 SL/12 | 123 lm/W | 43200 lm | 48000 lm |
| 928487400091 | SON-T 1000W E E40 SL/4 | 130 lm/W | 117000 lm | 130000 lm |

Mechanical and Housing

| Order Code | Full Product Name | Bulb Shape |
|--------------|------------------------|------------|
| 928487100096 | SON-T 150W E E40 SL/12 | T46 |
| 928487200098 | SON-T 250W E E40 SL/12 | T46 |

| Order Code | Full Product Name | Bulb Shape |
|--------------|------------------------|------------|
| 928487300098 | SON-T 400W E E40 SL/12 | T46 |
| 928487400091 | SON-T 1000W E E40 SL/4 | T65 |

