



SON H

SON H 110W I E27 1CT/24

High Pressure Sodium lamp with opalized outer bulb retrofit for High Pressure Mercury lamps

Warnings and Safety

- For use with control gear designed for high-pressure mercury lamps
- For outdoor use only
- 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.

Product data

| General Information | | Operating and Electrical | |
|-----------------------------|-----------------------------------|--------------------------------------|--------------|
| Cap-Base | E27 [E27] | Luminous Flux (Rated) (Nom) | 9600 lm |
| Operating Position | UNIVERSAL [Any or Universal (U)] | Chromaticity Coordinate X (Nom) | 545 |
| Life to 5% Failures (Nom) | 7000 h | Chromaticity Coordinate Y (Nom) | 391 |
| Life to 20% Failures (Nom) | 15000 h | Colour Temperature, horizontal (Nom) | 2000 K |
| Life to 50% Failures (Nom) | 28000 h | Luminous Efficacy (rated) (Nom) | 84 lm/W |
| System Description | Internal Ignitor (I) | Colour Rendering Index horiz (Max) | 25 |
| LSF 2000 h Rated | 99 % | Colour Rendering Index horiz (Nom) | - |
| LSF 4000 h Rated | 98 % | Depreciation 2000 hrs | 99 % |
| LSF 6000 h Rated | 96 % | LLMF 4000 h Rated | 98 % |
| LSF 8000 h Rated | 93 % | Depreciation 5000 hrs | 97 % |
| LSF 12000 h Rated | 86 % | LLMF 8000 h Rated | 96 % |
| LSF 16000 h Rated | 78 % | LLMF 12000 h Rated | 94 % |
| LSF 20000 h Rated | 69 % | LLMF 16000 h Rated | 92 % |
| | | LLMF 20000 h Rated | 90 % |
| Light Technical | | Operating and Electrical | |
| Colour Code | - [Not Specified] | Lamp supply voltage | 220 V [220] |
| Luminous Flux (Rated) (Min) | 8000 lm | Power (Rated) (Nom) | 110.0 W |

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| | |
|-------------------------------|--------|
| Lamp Current (EM) (Nom) | 1.32 A |
| Ignition Supply Voltage (Max) | 198 V |
| Re-Ignition Time (Min) (Max) | 600 s |
| Ignition Time (Max) | 10 s |
| Voltage (Max) | 122 V |
| Voltage (Min) | 92 V |
| Voltage (Nom) | 107 V |

Controls and Dimming

| | |
|-----------------------|-------|
| Dimmable | No |
| Run-up Time 90% (Max) | 5 min |

Mechanical and Housing

| | |
|-------------|--------------|
| Bulb Finish | Coated glass |
|-------------|--------------|

Approval and Application

| | |
|----------------------------|---------|
| Energy Efficiency Label | A+ |
| Mercury (Hg) Content (Nom) | 22.2 mg |

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|-------------------------------|---------|
| Energy Consumption kWh/1000 h | 121 kWh |
|-------------------------------|---------|

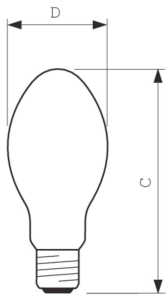
Luminaire Design Requirements

| | |
|----------------------------|--------|
| Bulb Temperature (Max) | 350 °C |
| Cap-Base Temperature (Max) | 200 °C |

Product Data

| | |
|---------------------------------|-------------------------|
| Full product code | 871829111857200 |
| Order product name | SON H 110W I E27 1CT/24 |
| EAN/UPC - Product | 8718291118572 |
| Order code | 11857200 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 24 |
| Material Nr. (12NC) | 928486900191 |
| Net Weight (Piece) | 0.063 kg |

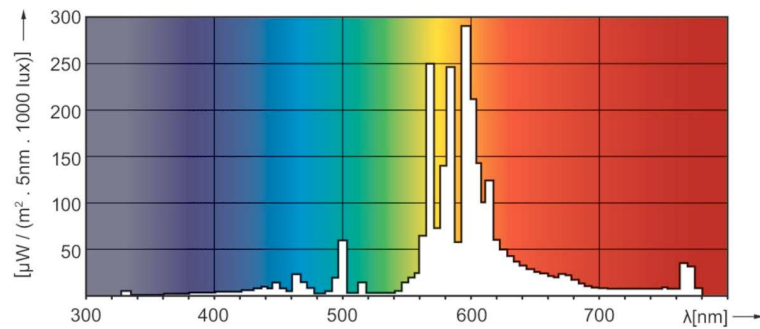
Dimensional drawing



| Product | D (max) | C (max) |
|-------------------------|---------|---------|
| SON H 110W I E27 1CT/24 | 71 mm | 156 mm |

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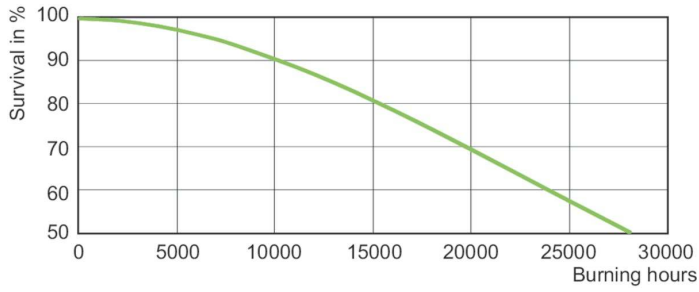
Photometric data



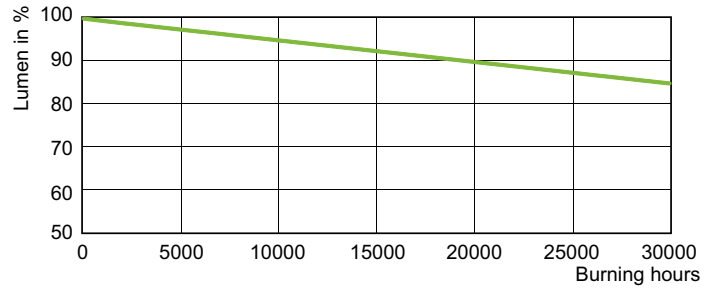
LDPO_SON-H-Spectral power distribution Colour

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Lifetime



LDLE_SON-H_68W_110W-Life expectancy diagram



LDLM_SON-H_0001-Lumen maintenance diagram

