



# SON H

## SON H 110W | 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	
Cap base	E27 [ E27]
Operating position	UNIVERSAL [ Any or Universal (U)]
Life to 5% failures (nom.)	7000 h
Life to 20% failures (nom.)	15000 h
Life to 50% failures (nom.)	28000 h
System description	Internal Ignitor (I)
LSF 2000 h Rated	99 %
LSF 4000 h Rated	98 %
LSF 6000 h Rated	96 %
LSF 8000 h Rated	93 %
LSF 12000 h Rated	86 %
LSF 16000 h Rated	78 %
LSF 20000 h Rated	69 %

Light Technical	
Colour Code	- [ Not Specified]
Luminous flux (rated) (min.)	8000 lm

Luminous flux (rated) (nom.)	9600 lm
Chromaticity coordinate X (nom.)	545
Chromaticity coordinate Y (nom.)	391
Correlated Colour Temperature (Nom)	2000 K
Luminous efficacy (rated) (nom.)	84 lm/W
Color rendering index (max.)	25
Colour rendering index (nom.)	-
LLMF 2000 h Rated	99 %
LLMF 4000 h Rated	98 %
LLMF 6000 h Rated	97 %
LLMF 8000 h Rated	96 %
LLMF 12000 h Rated	94 %
LLMF 16000 h Rated	92 %
LLMF 20000 h Rated	90 %

Operating and Electrical	
Lamp supply voltage	220 V [ 220]
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

Lamp Finish	Coated glass
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## Approval and Application

Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	22.2 mg

Energy consumption kWh/1,000 hours	121 kWh
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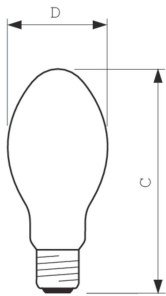
## Luminaire Design Requirements

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
SAP numerator – quantity per pack	1
Numerator – packs per outer box	24
SAP material	928486900191
SAP net weight (piece)	0.063 kg

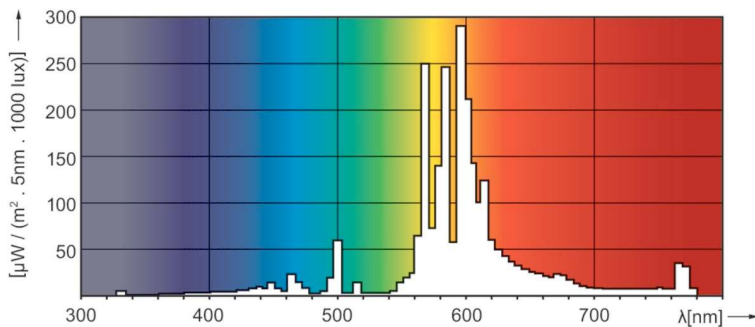
## Dimensional drawing



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

## SON H 110W I E27

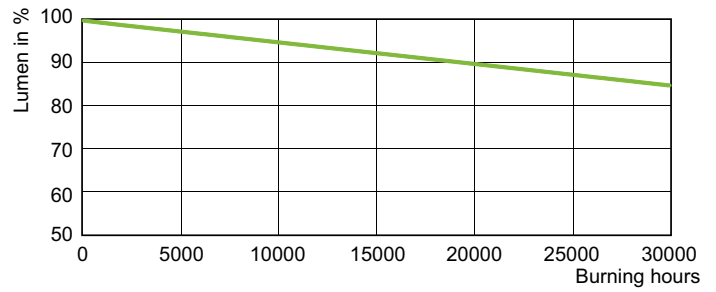
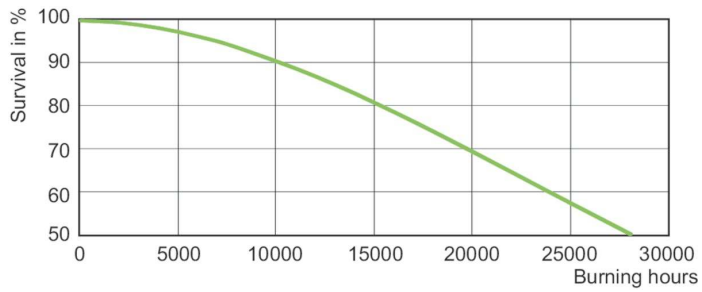
## Photometric data



## 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

