



# Product Description

## SON H

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

### Benefits

- Instant and cost-effective upgrade of light level and reduction of energy use replacing HPL

### Features

- Direct replacement for mercury lamps as they operate on the same control gear
- High luminous efficacy
- Robust construction is vibration- and shock-resistant leading to a reliable life

### Application

- Road and residential lighting
- Commercial and industrial applications

### 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.

# SON H

## Versions

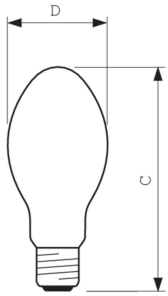


LPPR SON-H E40



LPPR SON-H E27

## Dimensional drawing



Product	D (max)	C (max)
SON H 110W I E27 1CT/24	71 mm	156 mm
SON H 220W/220 E40 1SL/12	91 mm	227 mm
SON H 350W/220 E40 1SL/12	122 mm	290 mm
SON H 68W I E27 1CT/24	71 mm	156 mm

General Information	
Operating Position	UNIVERSAL
Light Technical	
Color rendering index (CRI)	-
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Coated glass

## General Information

Order Code	Full Product Name	Cap-Base
928152409830	SON H 220W/220 E40 1SL/12	E40
928153509830	SON H 350W/220 E40 1SL/12	E40

Order Code	Full Product Name	Cap-Base
928486900191	SON H 110W I E27 1CT/24	E27
928494909891	SON H 68W I E27 1CT/24	E27

## Light Technical

Order Code	Full Product Name	Chromaticity Coordinate		Correlated Color Temperature		Luminous Efficacy (rated) (Nom)	Luminous Flux
		X (Nom)	Y (Nom)	(Nom)	(Nom)		
928152409830	SON H 220W/220 E40 1SL/12	0.530	0.410	2000 K		85 lm/W	-

Order Code	Full Product Name	Chromaticity Coordinate	Chromaticity Coordinate	Correlated Color Temperature	Luminous Efficacy (rated) (Nom)	Luminous Flux
		X (Nom)	Y (Nom)	(Nom)		
928153509830	SON H 350W/220 E40 1SL/12	0.525	0.415	2000 K	98 lm/W	-
928486900191	SON H 110W I E27 1CT/24	545	391	2000 K	84 lm/W	-
928494909891	SON H 68W I E27 1CT/24	0.54	0.42	1900 K	80 lm/W	5,350 lm

### Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Power Consumption	Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928152409830	SON H 220W/220 E40 1SL/12	120 V	218.0 W	928486900191	SON H 110W I E27 1CT/24	107 V	110.0 W
928153509830	SON H 350W/220 E40 1SL/12	117 V	350.0 W	928494909891	SON H 68W I E27 1CT/24	107 V	69.0 W

### Mechanical and Housing

Order Code	Full Product Name	Bulb Shape	Order Code	Full Product Name	Bulb Shape
928152409830	SON H 220W/220 E40 1SL/12	BD90	928486900191	SON H 110W I E27 1CT/24	BF70
928153509830	SON H 350W/220 E40 1SL/12	BD120	928494909891	SON H 68W I E27 1CT/24	BF70

### Approval and Application

Order Code	Full Product Name	Energy	Mercury	Mercury	Order Code	Full Product Name	Energy	Mercury	Mercury
		Consumption	(Hg)	(Hg)			Consumption	(Hg)	(Hg)
		kWh/1000 h	Content	Content			kWh/1000 h	Content	Content
			(Max)	(Nom)				(Max)	(Nom)
928152409830	SON H 220W/220 E40 1SL/12	237 kWh	-	28.6 mg	928486900191	SON H 110W I E27 1CT/24	121 kWh	-	22.2 mg
928153509830	SON H 350W/220 E40 1SL/12	385 kWh	-	28.6 mg	928494909891	SON H 68W I E27 1CT/24	69 kWh	16.2 mg	16.2 mg

