



# Product Description

## SON

High Pressure Sodium lamp with opalized ovoid outer bulb

### Benefits

- SON is a cost-efficient and reliable solution in High Pressure Sodium

### Features

- Ovoid, internally white coated 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

### 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.

Versions

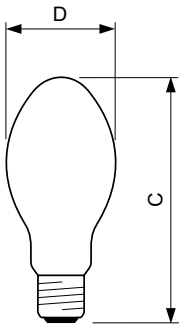


LPPR SON E40 E39



LPPR SON-I CO

Dimensional drawing



Product	D (max)	C (max)
SON 100W E E40 CO 1SL	76 mm	186 mm
SON 150W E E40 CO 1SL/12	91 mm	226 mm
SON 250W E E40 CO 1SL	91 mm	226 mm
SON 250W E E40 CO 1SL/12	91 mm	226 mm
SON 400W E E40 CO 1SL	122 mm	290 mm
SON 400W E E40 CO 1SL/12	122 mm	290 mm
SON 50W/220 E27 1CT/24	71 mm	156 mm
SON 50W/220 I E27 1CT/24	71 mm	156 mm
SON 70W E E27 CO 1CT	71 mm	156 mm
SON 70W E E27 CO 1CT/24	71 mm	156 mm
SON 70W/220 I E27 1CT/24	71 mm	155 mm

General Information	
Operating Position	UNIVERSAL
Light Technical	
Color rendering index (CRI)	-
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Finish	Coated glass

General Information

Order Code	Full Product Name	Cap-Base
928152908835	SON 50W/220 E27 1CT/24	E27
928486700091	SON 70W E E27 CO 1CT/24	E27
928486700097	SON 70W E E27 CO 1CT	E27
928486800091	SON 150W E E40 CO 1SL/12	E40
928486900091	SON 250W E E40 CO 1SL/12	E40
928486900097	SON 250W E E40 CO 1SL	E40

Order Code	Full Product Name	Cap-Base
928487000091	SON 400W E E40 CO 1SL/12	E40
928487000097	SON 400W E E40 CO 1SL	E40
928490000091	SON 100W E E40 CO 1SL	E40
928150108828	SON 70W/220 I E27 1CT/24	E27
928150808828	SON 50W/220 I E27 1CT/24	E27

## Light Technical

Order Code	Full Product Name	Chromaticity		Correlated Color Temperature		Luminous Efficacy (rated) (Nom)	Luminous Flux
		Coordinate X (Nom)	Coordinate Y (Nom)	(Nom)	(Nom)		
928152908835	SON 50W/220 E27 1CT/24	0.540	0.420	1900 K		68 lm/W	3,600 lm
928486700091	SON 70W E E27 CO 1CT/24	0.540	0.420	1900 K		80 lm/W	-
928486700097	SON 70W E E27 CO 1CT	0.540	0.420	1900 K		80 lm/W	-
928486800091	SON 150W E E40 CO 1SL/12	-	-	2000 K		93 lm/W	-
928486900091	SON 250W E E40 CO 1SL/12	-	-	2000 K		106 lm/W	-
928486900097	SON 250W E E40 CO 1SL	-	-	2000 K		106 lm/W	-
928487000091	SON 400W E E40 CO 1SL/12	-	-	2000 K		122 lm/W	-
928487000097	SON 400W E E40 CO 1SL	-	-	2000 K		122 lm/W	-
928490000091	SON 100W E E40 CO 1SL	-	-	1900 K		85 lm/W	-
928150108828	SON 70W/220 I E27 1CT/24	0.54	0.42	1900 K		78 lm/W	5,600 lm
928150808828	SON 50W/220 I E27 1CT/24	0.54	0.42	1900 K		70 lm/W	3,700 lm

## Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Power Consumption	Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928152908835	SON 50W/220 E27 1CT/24	85 V	53.0 W	928487000091	SON 400W E E40 CO 1SL/12	105 V	400.0 W
928486700091	SON 70W E E27 CO 1CT/24	95 V	72.5 W	928487000097	SON 400W E E40 CO 1SL	105 V	400.0 W
928486700097	SON 70W E E27 CO 1CT	95 V	72.5 W	928490000091	SON 100W E E40 CO 1SL	100 V	100.0 W
928486800091	SON 150W E E40 CO 1SL/12	100 V	147.0 W	928150108828	SON 70W/220 I E27 1CT/24	90 V	71.5 W
928486900091	SON 250W E E40 CO 1SL/12	100 V	250 W	928150808828	SON 50W/220 I E27 1CT/24	85 V	52.5 W
928486900097	SON 250W E E40 CO 1SL	100 V	250 W				

## Mechanical and Housing

Order Code	Full Product Name	Bulb Shape	Order Code	Full Product Name	Bulb Shape
928152908835	SON 50W/220 E27 1CT/24	BF70	928487000091	SON 400W E E40 CO 1SL/12	ED120
928486700091	SON 70W E E27 CO 1CT/24	BF70	928487000097	SON 400W E E40 CO 1SL	ED120
928486700097	SON 70W E E27 CO 1CT	BF70	928490000091	SON 100W E E40 CO 1SL	ED75
928486800091	SON 150W E E40 CO 1SL/12	ED90	928150108828	SON 70W/220 I E27 1CT/24	B70
928486900091	SON 250W E E40 CO 1SL/12	ED90	928150808828	SON 50W/220 I E27 1CT/24	B70
928486900097	SON 250W E E40 CO 1SL	ED90			

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury		Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury	
			(Hg) Content (Max)	Mercury (Hg) Content (Nom)				(Hg) Content (Max)	Mercury (Hg) Content (Nom)
928152908835	SON 50W/220 E27 1CT/24	53 kWh	9.8 mg	9.8 mg	928486900097	SON 250W E E40 CO 1SL	275 kWh	-	20.4 mg
928486700091	SON 70W E E27 CO 1CT/24	73 kWh	16.3 mg	16.3 mg	928487000091	SON 400W E E40 CO 1SL/12	440 kWh	-	24.5 mg
928486700097	SON 70W E E27 CO 1CT	73 kWh	-	16.3 mg	928487000097	SON 400W E E40 CO 1SL	440 kWh	-	24.5 mg
928486800091	SON 150W E E40 CO 1SL/12	162 kWh	-	20.4 mg	928490000091	SON 100W E E40 CO 1SL	110 kWh	-	20.2 mg
928486900091	SON 250W E E40 CO 1SL/12	275 kWh	-	20.4 mg	928150108828	SON 70W/220 I E27 1CT/24	72 kWh	16.3 mg	16.3 mg

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
928150808828	SON 50W/220 I E27 1CT/24	53 kWh	12 mg	12 mg

