PHILIPS

SON

DSON



Product Description

High Pressure Sodium lamp with opalized ovoid outer bulb

Benefits

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

Applications

- Road and residential lighting
- Decorative floodlighting
- Commercial and industrial applications

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
- 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 E27 E26

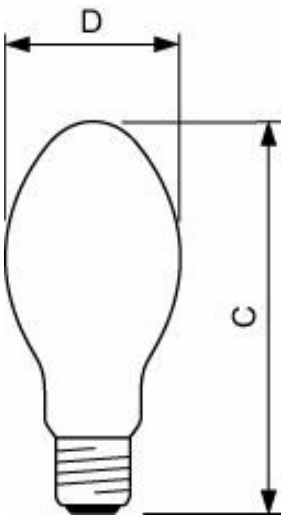


LPPR SON E40 E39



LPPR SON-I CO

Dimensional drawing



Product	D (max)	C (max)
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 [Any or Universal (U)]

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
928487000091	SON 400W E E40 CO 1SL/12	E40
928487000097	SON 400W 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	Luminous Flux	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)
928152908835	SON 50W/220 E27 1CT/24	3,600 lm	0.540	0.420	1900 K	68 lm/W
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
928150108828	SON 70W/220 I E27 1CT/24	5,600 lm	0.54	0.42	1900 K	78 lm/W
928150808828	SON 50W/220 I E27 1CT/24	3,700 lm	0.54	0.42	1900 K	70 lm/W

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Voltage (Nom)
928152908835	SON 50W/220 E27 1CT/24	53.0 W	85 V
928486700091	SON 70W E E27 CO 1CT/24	72.5 W	95 V
928486700097	SON 70W E E27 CO 1CT	72.5 W	95 V

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

Mechanical and Housing

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

Approval and Application

Order Code	Full Product Name	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)	Energy Consumption kWh/1000 h
928152908835	SON 50W/220 E27 1CT/24	9.8 mg	9.8 mg	53 kWh
928486700091	SON 70W E E27 CO 1CT/24	14.3 mg	14.3 mg	73 kWh
928486700097	SON 70W E E27 CO 1CT	-	16.3 mg	73 kWh
928486800091	SON 150W E E40 CO 1SL/12	-	20.4 mg	162 kWh
928486900091	SON 250W E E40 CO 1SL/12	-	20.4 mg	275 kWh
928486900097	SON 250W E E40 CO 1SL	-	20.4 mg	275 kWh
928487000091	SON 400W E E40 CO 1SL/12	-	24.5 mg	440 kWh
928487000097	SON 400W E E40 CO 1SL	-	24.5 mg	440 kWh
928150108828	SON 70W/220 I E27 1CT/24	14.3 mg	14.3 mg	72 kWh
928150808828	SON 50W/220 I E27 1CT/24	12 mg	12 mg	53 kWh

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