



Product Description

SON

High Pressure Sodium lamp with opalized ovoid outer bulb

Benefits

- SON Pro 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.

Approval and application

Mercury (Hg) Content (Max)	16.3 mg
Mercury (Hg) Content (Nom)	16.3 mg

Controls and dimming

Dimmable	Yes
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Operating and electrical

Voltage (Max)	105 V
Voltage (Min)	75 V

General information

Cap-Base	E27
Life To 50% Failures (Nom)	28000 h
LSF 2000 h Rated	99 %
LSF 4000 h Rated	99 %
Operating Position	UNIVERSAL

Luminaire design requirements

Bulb Temperature (Max)	350 °C
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Light technical

Colour Code	220
Correlated Colour Temperature (Nom)	1900 K
Colour Rendering Index (Max)	25
Colour Rendering Index (Nom)	-
LLMF 16000 h Rated	79 %
LLMF 20000 h Rated	78 %
Luminous Efficacy (rated) (Nom)	80 lm/W

Mechanical and housing

Bulb Finish	Coated glass
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Approval and application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
928150108828	SON 70W/220 I E27 1CT/24	72 kWh
928486700091	SON 70W E E27 CO 1CT/24	73 kWh

Operating and electrical

Order Code	Full Product Name	Lamp			Re-Ignition
		Current (EM) (Nom)	Voltage (Nom)	Power (Nom)	Time (Min) (Max)
928150108828	SON 70W/220 I E27 1CT/24	0.98 A	90 V	71.5 W	-

Order Code	Full Product Name	Lamp			Re-Ignition
		Current (EM) (Nom)	Voltage (Nom)	Power (Nom)	Time (Min) (Max)
928486700091	SON 70W E E27 CO 1CT/24	0.950 A	95 V	72.5 W	180 s

General information (1/2)

Order Code	Full Product Name	Life To 10%	Life To 20%	Life To 5%	LSF
		Failures (Nom)	Failures (Nom)	Failures (Nom)	12000 h Rated
928150108828	SON 70W/220 I E27 1CT/24	13000 h	18000 h	10000 h	92 %

Order Code	Full Product Name	Life To 10%	Life To 20%	Life To 5%	LSF
		Failures (Nom)	Failures (Nom)	Failures (Nom)	12000 h Rated
928486700091	SON 70W E E27 CO 1CT/24	-	22000 h	12000 h	94 %

General information (2/2)

Order Code	Full Product Name	LSF	LSF	LSF	LSF	System Description
		16000 h Rated	20000 h Rated	6000 h Rated	8000 h Rated	
928150108828	SON 70W/220 I E27 1CT/24	84 %	74 %	98 %	97 %	Internal Ignitor (I)

Order Code	Full Product Name	LSF	LSF	LSF	LSF	System Description
		16000 h Rated	20000 h Rated	6000 h Rated	8000 h Rated	
928486700091	SON 70W E E27 CO 1CT/24	86 %	76 %	99 %	98 %	External Ignitor (E)

Light technical (1/3)

Order Code	Full Product Name	Chromaticity	Chromaticity	LLMF	LLMF
		Coordinate X (Nom)	Coordinate Y (Nom)	12000 h Rated	2000 h Rated
928150108828	SON 70W/220 I E27 1CT/24	0.54	0.42	80 %	88 %

Order Code	Full Product Name	Chromaticity	Chromaticity	LLMF	LLMF
		Coordinate X (Nom)	Coordinate Y (Nom)	12000 h Rated	2000 h Rated
928486700091	SON 70W E E27 CO 1CT/24	0.540	0.420	81 %	93 %

Light technical (2/3)

Order Code	Full Product Name	LLMF	LLMF	LLMF	Lumen	Lumen	Lumen	Lumen	Lumen	Lumen
		4000 h Rated	6000 h Rated	8000 h Rated	Maintenance 10000 h (Min)	Maintenance 10000 h (Nom)	Maintenance 2000 h (Min)	Maintenance 2000 h (Nom)	Maintenance 20000 h	Maintenance 5000 h (Min)
928150108828	SON 70W/220 I E27 1CT/24	84 %	83 %	81 %	70 %	81 %	80 %	88 %	78 %	75 %
928486700091	SON 70W E E27 CO 1CT/24	89 %	86 %	84 %	-	85 %	85 %	93 %	-	80 %

Light technical (3/3)

Order Code	Full Product Name	Lumen	Luminous	Luminous
		Maintenance 5000 h (Nom)	Flux (Nom)	Flux (Rated)
928150108828	SON 70W/220 I E27 1CT/24	83.5 %	5600 lm	5040 lm

Order Code	Full Product Name	Lumen	Luminous	Luminous
		Maintenance 5000 h (Nom)	Flux (Nom)	Flux (Rated)
928486700091	SON 70W E E27 CO 1CT/24	88 %	-	5220 lm

Mechanical and housing

Order Code	Full Product Name	Bulb Shape
928150108828	SON 70W/220 I E27 1CT/24	B70

Order Code	Full Product Name	Bulb Shape
928486700091	SON 70W E E27 CO 1CT/24	BF70

