

Product Description

SOX

Low Pressure Sodium lamp

Benefits

- High luminous efficacy leads to low energy consumption

Features

- Uniform sodium distribution in the discharge tube by means of dimples for a more stable discharge, higher efficacy and better lumen maintenance and lamp life
- Monochromatic yellow colour with non-existent colour rendering

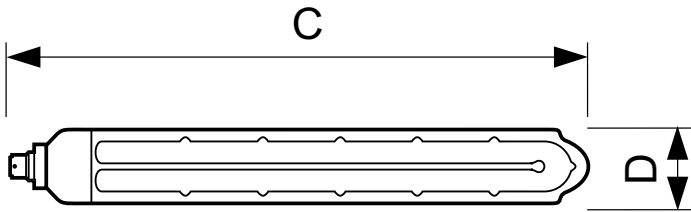
Application

- Road lighting, railway marshalling yards and crossings, airports, harbours and docks, quarries, foundries and rolling mills
- Security and orientation lighting

Versions



Dimensional drawing



Product	D (max)	C (max)
SOX 55W BY22d 1SL/12	52 mm	425 mm
SOX 90W BY22d 1SL/12	66 mm	528 mm
SOX 135W BY22d 1SL/12	66 mm	775 mm

Approval and Application

Energy Efficiency Label (EEL)	A++
Mercury (Hg) Content (Nom)	0 mg

Controls and Dimming

Dimmable	no
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General Information

Cap-Base	BY22D
Life To 20% Failures (Nom)	12000 h
Life To 50% Failures (Nom)	18000 h
Life To 5% Failures (Nom)	6000 h

Luminaire Design Requirements

Bulb Temperature (Max)	150 °C
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Light Technical

Correlated Colour Temperature (Nom)	1800 K
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Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
928146000008	SOX 55W BY22d 1SL/12	61 kWh
928146500008	SOX 90W BY22d 1SL/12	100 kWh
928147000008	SOX 135W BY22d 1SL/12	148 kWh

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power (Rated) (Nom)
928146000008	SOX 55W BY22d 1SL/12	0.51 A	109 V	56.0 W
928146500008	SOX 90W BY22d 1SL/12	0.82 A	112 V	91.0 W

Order Code	Full Product Name	Lamp Current (Nom)	Voltage (Nom)	Power (Rated) (Nom)
928147000008	SOX 135W BY22d 1SL/12	0.82 A	164 V	135.0 W

General Information

Order Code	Full Product Name	Operating Position
928146000008	SOX 55W BY22d 1SL/12	H110
928146500008	SOX 90W BY22d 1SL/12	P20

Order Code	Full Product Name	Operating Position
928147000008	SOX 135W BY22d 1SL/12	P20

Light Technical

		Lumen	Lumen	Luminous	Luminous
	Full Product	Maintenance	Maintenance	Efficacy	Flux (Rated)
Order Code	Name	2000 h (Nom)	5000 h (Nom)	(rated) (Nom)	(Nom)
928146000008	SOX 55W BY22d 1SL/12	102 %	100 %	140 lm/W	7800 lm
928146500008	SOX 90W BY22d 1SL/12	95 %	90 %	150 lm/W	13600 lm

		Lumen	Lumen	Luminous	Luminous
	Full Product	Maintenance	Maintenance	Efficacy	Flux (Rated)
Order Code	Name	2000 h (Nom)	5000 h (Nom)	(rated) (Nom)	(Nom)
928147000008	SOX 135W BY22d 1SL/12	95 %	90 %	167 lm/W	22600 lm

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
928146000008	SOX 55W BY22d 1SL/12	T50
928146500008	SOX 90W BY22d 1SL/12	T65

Order Code	Full Product Name	Bulb Shape
928147000008	SOX 135W BY22d 1SL/12	T65

