

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 color with non-existent color rendering

Application

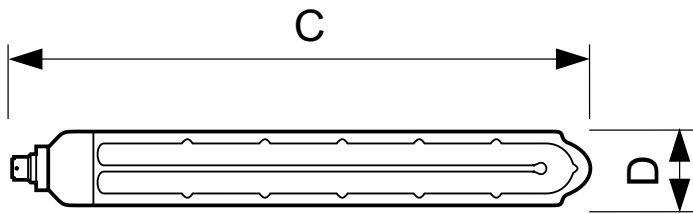
- Road lighting, railway marshalling yards and crossings, airports, harbours and docks, quarries, foundries and rolling mills
- Security and orientation lighting

Versions



BY22d, T50/T65

Dimensional drawing



Product	D (max)	C (max)
SOX 135W BY22d 1SL/12	66 mm	775 mm
SOX 90W BY22d 1SL/12	66 mm	528 mm
SOX 55W BY22d 1SL	52 mm	425 mm
SOX 35W BY22d 1SL/12	52 mm	311 mm

Approval and Application

Mercury (Hg) Content (Nom)	0 mg
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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 Color Temperature (Nom)	1800 K
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Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)
327817	SOX 35 12PK	43 kWh	A+
321513	SOX55 12PK	64 kWh	A++
321521	SOX90 12PK	105 kWh	A++
321539	SOX135 12PK	155 kWh	A++

Operating and Electrical

Order Code	Full Product Name	Lamp Current		Power (Rated)	
		(Nom)	Voltage (Nom)	(Nom)	(Nom)
327817	SOX 35 12PK	0.53 A	70 V	37 W	
321513	SOX55 12PK	0.51 A	109 V	56.0 W	

Order Code	Full Product Name	Lamp Current		Power (Rated)	
		(Nom)	Voltage (Nom)	(Nom)	(Nom)
321521	SOX90 12PK	0.82 A	112 V	91.0 W	
321539	SOX135 12PK	0.82 A	164 V	135.0 W	

General Information

Order Code	Full Product Name	Operating Position
327817	SOX 35 12PK	Base Up +/- 110 D
321513	SOX55 12PK	Base Up +/- 110 D

Order Code	Full Product Name	Operating Position
321521	SOX90 12PK	Horizontal +/- 20 D
321539	SOX135 12PK	Horizontal +/- 20 D

Light Technical (1/2)

Order Code	Full Product Name	Lumen Maintenance	Lumen Maintenance	Luminous Efficacy	Luminous Flux
		2000 h (Nom)	5000 h (Nom)	(rated) (Nom)	(Nom)
327817	SOX 35 12PK	95 %	90 %	129 lm/W	-

Order Code	Full Product Name	Lumen Maintenance	Lumen Maintenance	Luminous Efficacy	Luminous Flux
		2000 h (Nom)	5000 h (Nom)	(rated) (Nom)	(Nom)
321513	SOX55 12PK	102 %	100 %	140 lm/W	7800 lm

Order Code	Full Product Name	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)
321521	SOX90 12PK	95 %	90 %	150 lm/W	-

Order Code	Full Product Name	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)
321539	SOX135 12PK	95 %	90 %	167 lm/W	-

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
327817	SOX 35 12PK	4550 lm
321513	SOX55 12PK	7800 lm

Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
321521	SOX90 12PK	13600 lm
321539	SOX135 12PK	22600 lm

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
327817	SOX 35 12PK	T15
321513	SOX55 12PK	T15

Order Code	Full Product Name	Bulb Shape
321521	SOX90 12PK	T21
321539	SOX135 12PK	T21

