



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

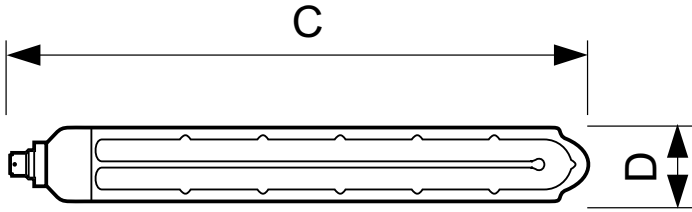
Application

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

Versions



Dimensional drawing



Product	D (max)	C (max)
SOX 180W BY22d 1SL/6	66 mm	1120 mm
SOX 135W BY22d 1SL/12	66 mm	775 mm
SOX 90W BY22d 1SL/12	66 mm	528 mm
SOX 55W BY22d 1SL/12	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 Colour 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)
17973915	SOX 35W BY22d 1SL/12	43 kWh	A+
17975315	SOX 55W BY22d 1SL/12	64 kWh	A++
17977715	SOX 90W BY22d 1SL/12	105 kWh	A++
17979115	SOX 135W BY22d 1SL/12	155 kWh	A++
17981410	SOX 180W BY22d 1SL/6	213 kWh	A++

Operating and Electrical

Order Code	Full Product Name	Lamp Current		Power (Rated)	
		(Nom)	Voltage (Nom)	(Nom)	(Nom)
17973915	SOX 35W BY22d 1SL/12	0.53 A	70 V	37 W	
17975315	SOX 55W BY22d 1SL/12	0.51 A	109 V	56.0 W	
17977715	SOX 90W BY22d 1SL/12	0.82 A	112 V	91.0 W	

Order Code	Full Product Name	Lamp Current		Power (Rated)	
		(Nom)	Voltage (Nom)	(Nom)	(Nom)
17979115	SOX 135W BY22d 1SL/12	0.82 A	164 V	135.0 W	
17981410	SOX 180W BY22d 1SL/6	0.78 A	240 V	180.0 W	

General Information

Order Code	Full Product Name	Operating Position
17973915	SOX 35W BY22d 1SL/12	H110
17975315	SOX 55W BY22d 1SL/12	H110
17977715	SOX 90W BY22d 1SL/12	P20

Order Code	Full Product Name	Operating Position
17979115	SOX 135W BY22d 1SL/12	P20
17981410	SOX 180W BY22d 1SL/6	P20

Light Technical

Order Code	Full Product Name	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
17973915	SOX 35W BY22d 1SL/12	95 %	90 %	129 lm/W	4550 lm
17975315	SOX 55W BY22d 1SL/12	102 %	100 %	140 lm/W	7800 lm
17977715	SOX 90W BY22d 1SL/12	95 %	90 %	150 lm/W	13600 lm

Order Code	Full Product Name	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
17979115	SOX 135W BY22d 1SL/12	95 %	90 %	167 lm/W	22600 lm
17981410	SOX 180W BY22d 1SL/6	90 %	80 %	176 lm/W	32000 lm

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
17973915	SOX 35W BY22d 1SL/12	T50
17975315	SOX 55W BY22d 1SL/12	T50
17977715	SOX 90W BY22d 1SL/12	T65

Order Code	Full Product Name	Bulb Shape
17979115	SOX 135W BY22d 1SL/12	T65
17981410	SOX 180W BY22d 1SL/6	T65

