PHILIPS Lighting



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

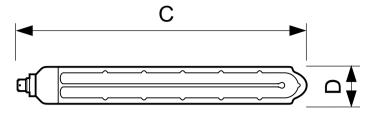
Application

- 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 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
Controls and Dimming	
Dimmable	no
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
Light Technical	
Correlated Colour Temperature (Nom)	1800 K

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++

Operating and Electrical

		Lamp Current		Power (Rated)
Order Code	Full Product Name	(Nom)	Voltage (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

		Lamp Current		Power (Rated)
Order Code	Full Product Name	(Nom)	Voltage (Nom)	(Nom)
17977715	SOX 90W BY22d 1SL/12	0.82 A	112 V	91.0 W

General Information

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

Light Technical

Operating Position

P20

				Luminous	Luminous					Luminous	
		Lumen	Lumen	Efficacy	Flux			Lumen	Lumen	Efficacy	
Order	Full Product	Maintenance	Maintenance	(rated)	(Rated)	Order	Full Product	Maintenance	Maintenance	(rated)	
Code	Name	2000 h (Nom)	5000 h (Nom)	(Nom)	(Nom)	Code	Name	2000 h (Nom)	5000 h (Nom)	(Nom)	
7973915	SOX 35W	95 %	90 %	129 lm/W	4550 lm	17977715	SOX 90W	95 %	90 %	150 lm/W	
	BY22d						BY22d				
	1SL/12						1SL/12				
7975315	SOX 55W	102 %	100 %	140 lm/W	7800 lm						
	BY22d										
	1SL/12										

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
17973915	SOX 35W BY22d 1SL/12	Т50
17975315	SOX 55W BY22d 1SL/12	Т50

Order Code	Full Product Name	Bulb Shape
17977715	SOX 90W BY22d 1SL/12	T65



© 2018 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. All trademarks are owned by Signify Holding or their respective owners.

www.lighting.philips.com 2018, November 19 - data subject to change