



Product Description

MASTER SOX-E

Low Pressure Sodium lamp with improved efficacy

Benefits

• Extremely high luminous efficacy makes these the most efficient light sources

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
- \cdot Special coating of SOX-E outer tube results in higher lamp efficacy than SOX
- · 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
- \cdot Security and orientation lighting

Versions



BY22d, T50/T65

Dimensional drawing



Product	D (max)	C (max)
MASTER SOX-E 66W BY22d 1SL/12	66 mm	528 mm
MASTER SOX-E 36W BY22d 1SL/12	52 mm	425 mm
MASTER SOX-E 26W BY22d 1SL/12	52 mm	311 mm
MASTER SOX-E 18W BY22d 1SL/12	52 mm	216 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 Color Temperature (Nom)	1800 K

Approval and Application

		Energy Consumption kWh/	Energy Efficiency Label
Order Code	Full Product Name	1000 h	(EEL)
19280615	MASTER SOX-E 18W BY22d 1SL/12	21 kWh	A+
17974615	MASTER SOX-E 26W BY22D SLV/12	31 kWh	A++
17976015	MASTER SOX-E 36W BY22D SLV/12	40 kWh	A++
17978415	MASTER SOX-E 66W BY22D SLV/12	75 kWh	A++

Operating and Electrical

				Power
		Lamp Current	Voltage	(Rated)
Order Code	Full Product Name	(EM) (Nom)	(Nom)	(Nom)
19280615	MASTER SOX-E 18W	0.33 A	57 V	18.0 W
	BY22d 1SL/12			
17974615	MASTER SOX-E 26W	0.37 A	69 V	27.0 W
	BY22D SLV/12			

				Power
		Lamp Current	Voltage	(Rated)
Order Code	Full Product Name	(EM) (Nom)	(Nom)	(Nom)
17976015	MASTER SOX-E 36W	0.32 A	120 V	36.0 W
	BY22D SLV/12			
17978415	MASTER SOX-E 66W	0.6 A	123 V	65.0 W
	BY22D SLV/12			

General Information

19290615 MASTER SOV E 191// PV22d 1SL /12 LI10	Operating Pos	Full Product Name	Order Code
19200015 MASTER 30X-E 10W BT22d 13L/12 THIO	H110	MASTER SOX-E 18W BY22d 1SL/12	19280615
17974615 MASTER SOX-E 26W BY22D SLV/12 H110	H110	MASTER SOX-E 26W BY22D SLV/12	17974615

Order Code	Full Product Name	Operating Position
17976015	MASTER SOX-E 36W BY22D SLV/12	P20
17978415	MASTER SOX-E 66W BY22D SLV/12	P20

Light Technical

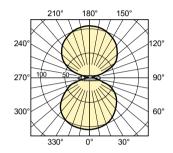
MASTER SOX-E

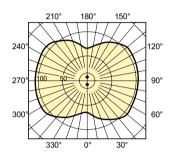
Order Code	Full Product Name	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
19280615	MASTER SOX-E 18W BY22d 1SL/12	95 %	90 %	100 lm/W	1800 lm
17974615	MASTER SOX-E 26W BY22D SLV/12	95 %	95 %	140 lm/W	3700 lm

Code Name 2000 h (Nom) 5000 h (Nom) (Nom) (Nom) 17976015 MASTER 100 % 100 % 164 lm/W 6100 l SOX-E 36W	am)
SOX-E 36W	OIII)
	00 lm
BY22D SLV/12	
17978415 MASTER 100 % 100 % 170 lm/W 11000	000 lm
SOX-E 66W	
BY22D SLV/12	

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
19280615	MASTER SOX-E 18W BY22d 1SL/12	T50
17974615	MASTER SOX-E 26W BY22D SLV/12	T50
17976015	MASTER SOX-E 36W BY22D SLV/12	T50
17978415	MASTER SOX-E 66W BY22D SLV/12	T65







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