

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
- 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
- Security and orientation lighting

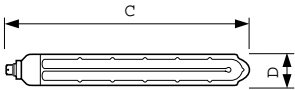
Versions



BY22d, T50/T65

MASTER SOX-E

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

Order Code	Full Product Name	Energy Consumption kWh/	Energy Efficiency Label
		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

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

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

General Information

Order Code	Full Product Name	Operating Position
19280615	MASTER SOX-E 18W BY22d 1SL/12	H110
17974615	MASTER SOX-E 26W BY22D SLV/12	H110

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

Order Code	Full Product Name	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
17976015	MASTER SOX-E 36W BY22D SLV/12	100 %	100 %	164 lm/W	6100 lm
17978415	MASTER SOX-E 66W BY22D SLV/12	100 %	100 %	170 lm/W	11000 lm

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

