

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

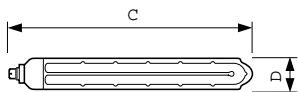
- Road lighting, railway marshalling yards and crossings, airports, harbours and docks, quarries, foundries and rolling mills
- Security and orientation lighting

Versions



MASTER SOX-E

Dimensional drawing



Product	D (max)	C (max)
MASTER SOX-E 131W BY22d 1SL/6	66 mm	1120 mm
MASTER SOX-E 36W BY22d 1SL/12	52 mm	425 mm
MASTER SOX-E 66W BY22d 1SL/12	66 mm	528 mm
MASTER SOX-E 91W BY22d 1SL/12	66 mm	775 mm

Approval and Application

Energy Efficiency Label (EEL)	A++
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
Operating Position	P20

Luminaire Design Requirements

Bulb Temperature (Max)	150 °C
------------------------	--------

Light Technical

Correlated Colour Temperature (Nom)	1800 K
Lumen Maintenance 2000 h (Nom)	100 %
Lumen Maintenance 5000 h (Nom)	100 %

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
928145100008	MASTER SOX-E 131W BY22d 1SL/6	146 kWh
928145800008	MASTER SOX-E 36W BY22d 1SL/12	40 kWh
928145900008	MASTER SOX-E 66W BY22d 1SL/12	75 kWh
928146100008	MASTER SOX-E 91W BY22d 1SL/12	104 kWh

Operating and Electrical

Order Code	Full Product Name	Lamp Current (EM) (Nom)	Voltage (Nom)	Power (Rated) (Nom)
928145100008	MASTER SOX-E 131W BY22d 1SL/6	0.54 A	250 V	127.0 W
928145800008	MASTER SOX-E 36W BY22d 1SL/12	0.32 A	120 V	36.0 W

Order Code	Full Product Name	Lamp Current (EM) (Nom)	Voltage (Nom)	Power (Rated) (Nom)
928145900008	MASTER SOX-E 66W BY22d 1SL/12	0.6 A	123 V	65.0 W
928146100008	MASTER SOX-E 91W BY22d 1SL/12	0.54 A	173 V	90.0 W

Light Technical

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
928145100008	MASTER SOX-E 131W BY22d 1SL/6	206 lm/W	26200 lm

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
928145800008	MASTER SOX-E 36W BY22d 1SL/12	164 lm/W	6100 lm

MASTER SOX-E

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
928145900008	MASTER SOX-E 66W BY22d 1SL/12	170 lm/W	11000 lm

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
928146100008	MASTER SOX-E 91W BY22d 1SL/12	192 lm/W	17400 lm

Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
928145100008	MASTER SOX-E 131W BY22d 1SL/6	T65
928145800008	MASTER SOX-E 36W BY22d 1SL/12	T50
928145900008	MASTER SOX-E 66W BY22d 1SL/12	T65
928146100008	MASTER SOX-E 91W BY22d 1SL/12	T65

