



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

Warnings and Safety

- Lamps may use electronic or electromagnetic control gear



Buy SOX-E and Electronic Ballast from Solarpowergetics

PHILIPS

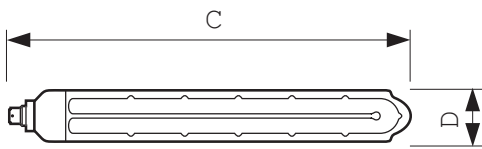
sense and simplicity

Related products



BY22d, T50/T65

Dimensional drawing



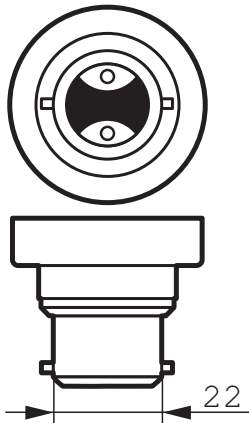
BY22d, T50/T65

Product	C (Max)	D (Max)
SOX E 131W BY22d T65	1120	66
SOX E 18W BY22d T50	216	52
SOX E 26W BY22d T50	311	52
SOX E 36W BY22d T50	425	52
SOX E 66W BY22d T65	528	66
SOX E 91W BY22d T65	775	66

General Characteristics

Order code	Full product name	Bulb	Cap-Base	Burning Position	Life to 20% failures	Life to 5% failures	Life to 50% failures
735140 10	MASTER SOX-E 131W BY22d T65 1SL	T65	BY22d	p20	12000	6000	18000
600233 15	MASTER SOX-E 18W BY22d T50 1SL	T50	BY22d	h110	12000	6000	18000
600257 15	MASTER SOX-E 26W BY22d T50 1SL	T50	BY22d	h110	12000	6000	18000
600271 15	MASTER SOX-E 36W BY22d T50 1SL	T50	BY22d	p20	12000	6000	18000
600295 15	MASTER SOX-E 66W BY22d T65 1SL	T65	BY22d	p20	12000	6000	18000
600332 15	MASTER SOX-E 91W BY22d T65 1SL	T65	BY22d	p20	12000	6000	18000

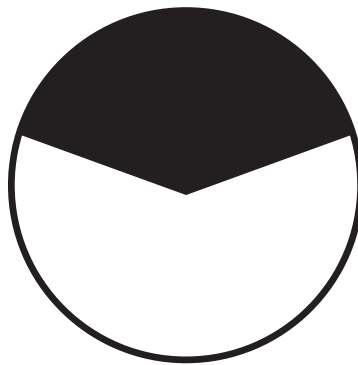
Installation diagrams



BY22d



p20



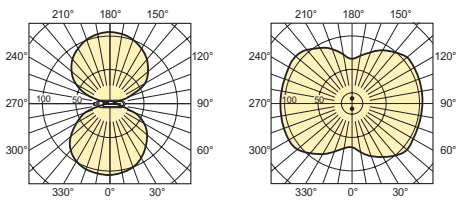
h110

Light Technical Characteristics

Order code	Full product name	Lamp Luminous Flux EM	Lumen Maintenance 2000h	Lumen Maintenance 5000h	Lamp Luminous Efficacy EM	Colour Temperature
735140 10	MASTER SOX-E 131W BY22d T65 1SL	26200	100	100	206	1800
600233 15	MASTER SOX-E 18W BY22d T50 1SL	1800	95	90	100	1800
600257 15	MASTER SOX-E 26W BY22d T50 1SL	3600	95	95	140	1800
600271 15	MASTER SOX-E 36W BY22d T50 1SL	6100	100	100	164	1800

Order code	Full product name	Lamp Luminous Flux EM	Lumen Maintenance 2000h	Lumen Maintenance 5000h	Lamp Luminous Efficacy EM	Colour Temperature
600295 15	MASTER SOX-E 66W BY22d T65 1SL	10500	100	100	170	1800
600332 15	MASTER SOX-E 91W BY22d T65 1SL	17400	100	100	192	1800

Light technical



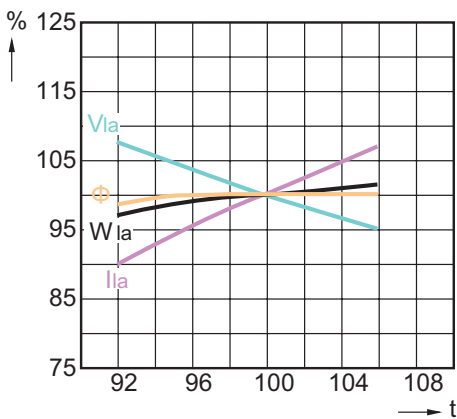
SOX-E

Electrical Characteristics

Order code	Full product name	Lamp Wattage	Lamp Wattage EM	Lamp Voltage	Lamp Current EM	Dimmable
735140 10	MASTER SOX-E 131W BY22d T65 1SL	131	127	250	0.54	no
600233 15	MASTER SOX-E 18W BY22d T50 1SL	18	18	57	0.33	no
600257 15	MASTER SOX-E 26W BY22d T50 1SL	26	27	69	0.37	no
600271 15	MASTER SOX-E 36W BY22d T50 1SL	36	36	120	0.32	no

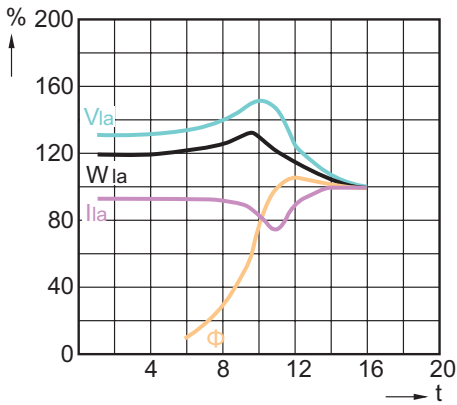
Order code	Full product name	Lamp Wattage	Lamp Wattage EM	Lamp Voltage	Lamp Current EM	Dimmable
600295 15	MASTER SOX-E 66W BY22d T65 1SL	66	65	123	0.6	no
600332 15	MASTER SOX-E 91W BY22d T65 1SL	91	91	173	0.54	no

Performance diagrams

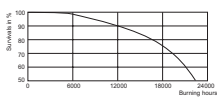


SOX-E

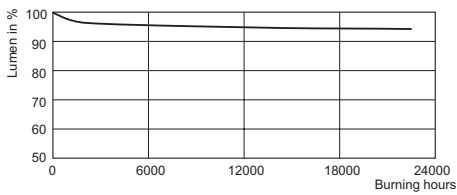
Performance diagrams



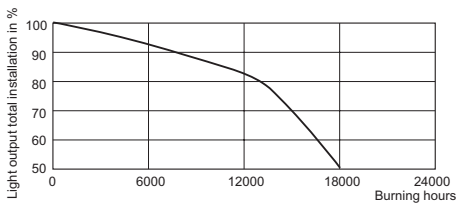
SOX-E



SOX-E



SOX-E



SOX-E

Environmental Characteristics

Order code	Full product name	Mercury (Hg) Content
735140 10	MASTER SOX-E 131W BY22d T65 1SL	0
600233 15	MASTER SOX-E 18W BY22d T50 1SL	0
600257 15	MASTER SOX-E 26W BY22d T50 1SL	0
600271 15	MASTER SOX-E 36W BY22d T50 1SL	0
600295 15	MASTER SOX-E 66W BY22d T65 1SL	0
600332 15	MASTER SOX-E 91W BY22d T65 1SL	0

Order code	Full product name	Cap-Base Temperature	Bulb Temperature
600257 15	MASTER SOX-E 26W BY22d T50 1SL	150 (max)	150 (max)
600271 15	MASTER SOX-E 36W BY22d T50 1SL	150 (max)	150 (max)
600295 15	MASTER SOX-E 66W BY22d T65 1SL	150 (max)	150 (max)
600332 15	MASTER SOX-E 91W BY22d T65 1SL	150 (max)	150 (max)

Luminaire Design Requirements

Order code	Full product name	Cap-Base Temperature	Bulb Temperature
735140 10	MASTER SOX-E 131W BY22d T65 1SL	150 (max)	150 (max)
600233 15	MASTER SOX-E 18W BY22d T50 1SL	150 (max)	150 (max)



© 2012 Koninklijke Philips Electronics N.V.
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips Electronics N.V. or their respective owners.

www.philips.com/lighting

2012, March 17
data subject to change