

High energy efficiency low pressure sodium lamps for indoor and outdoor applications

Low Pressure Sodium - SOX

High energy efficiency low pressure sodium lamps for indoor and outdoor applications.

Benefits

- Vibration resistant.
- Long Life.
- Energy efficient

Features

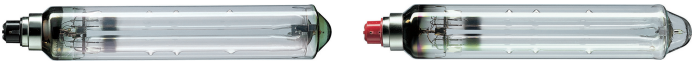
- Energy Efficient up to 180 lumens per watt.
- 18,000 hours rated average life.
- Vibration Resistant - rough service arc tube support system provides protection against shock and vibration.
- T17 base available in 18, 35, and 55 watts / T21 base available in 90, 135, and 180 watts.

Application

- Ideal for roadway lighting, bridge and tunnel lighting, security lighting, area floodlighting, railway crossing lighting and airport lighting.

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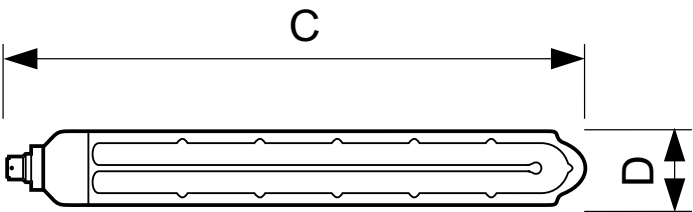
Versions



BY22d, T50/T65

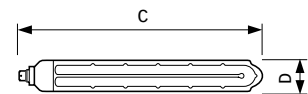
BY22d, T50/T65

Dimensional drawing



SOX 90W BY22d T65

Product	D	C
SOX 90W BY22d 1SL/12	66 mm	528 mm



Product	D	C
MASTER SOX-E 18W BY22d 1SL/12	52 mm	216 mm

SOX E 18W BY22d T50

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Approval and Application	
Mercury (Hg) Content (Nom)	0
Controls and Dimming	
Dimmable	No
General Information	
Cap-Base	BY22D
Life To 20% Failures (Nom)	12000
Life To 50% Failures (Nom)	18000
Life To 5% Failures (Nom)	6000
Luminaire Design Requirements	
Bulb Temperature (Max)	150
Light Technical	
Correlated Color Temperature (Nom)	1800

Approval and Application

order code	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)
234047	20	A+
327817	40	A+
321513	61	A++
321521	100	A++
321539	148	A++
151167	203	A++

Operating and Electrical

order code	Lamp Current (EM)		Power (Rated)	
	Lamp Current (Nom)	(Nom)	Voltage (Nom)	(Nom)
234047	-	0.33	57	18.0
327817	0.53	-	70	37
321513	0.51	-	109	56.0

order code	Lamp Current (EM)		Power (Rated)	
	Lamp Current (Nom)	(Nom)	Voltage (Nom)	(Nom)
321521	0.82	-	112	91.0
321539	0.82	-	164	135.0
151167	0.78	-	240	180.0

General Information

order code	Bulb Shape	Operating Position
234047	T15	Base Up +/- 110 D
327817	T15	Base Up +/- 110 D
321513	T15	Base Up +/- 110 D

order code	Bulb Shape	Operating Position
321521	T21	Horizontal +/- 20 D
321539	T21	Horizontal +/- 20 D
151167	T21	Horizontal +/- 20 D

Light Technical

order code	Lumen Maintenance	Lumen Maintenance	Luminous Efficacy	Luminous Flux	Luminous Flux
	2000 h (Nom)	5000 h (Nom)	(rated) (Nom)	(Nom)	(Rated) (Nom)
234047	95	90	100	-	1800
327817	95	90	129	-	4550
321513	102	100	140	7800	7800

order code	Lumen Maintenance	Lumen Maintenance	Luminous Efficacy	Luminous Flux	Luminous Flux
	2000 h (Nom)	5000 h (Nom)	(rated) (Nom)	(Nom)	(Rated) (Nom)
321521	95	90	150	-	13600
321539	95	90	167	-	22600
151167	90	80	176	-	32000

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Light Distribution Diagrams

