

## SOX Low-pressure sodium lamps

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90 W BY22D



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



## Technical data

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### Electrical data

Nominal wattage	90 W
Energy Efficiency Label (EEL)	A++
Rated wattage	91 W
Lamp Current (EM) (Nom)	0.82 A
Voltage (Nom)	112 V
Life to 8% Failures (Nom)	6000 h
Life to 30% Failures (Nom)	8000h
Life to 50% Failures (Nom)	12000h

1) At rated voltage and  $\cos \phi \geq 0.9$

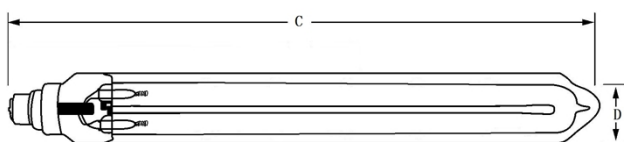
### Light technical data

Luminous flux	13600 lm <sup>1)</sup>
Luminance	10 cd/cm <sup>2</sup>
Luminous efficacy	150 lm/W

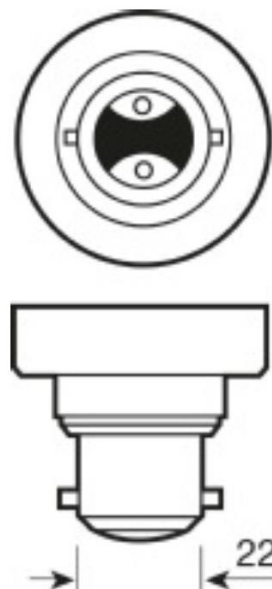
1) Value resulting from operating the lamp with a high-reactance transformer

### Dimensions & weight

Diameter	66.0 mm
Length	528.0 mm



Product line drawing with letters



Base

### Colors & materials

Mercury-free	Yes
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### Temperatures

Maximum permitted outer bulb temperature	150 °C
Maximum permitted base edge temperature	150 °C

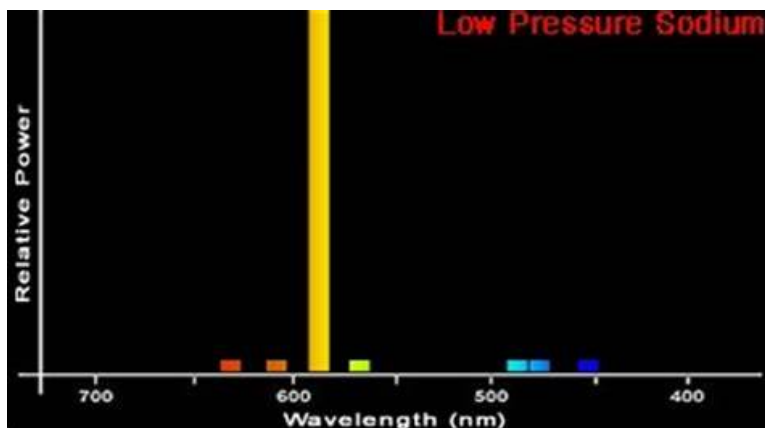
### Lifespan

Lifespan	12000 h <sup>1)</sup>
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1) Average lifespan

### Additional product data

Base (standard designation)	BY22d
Design / version	Clear



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Spectral power distribution

### Capabilities

Operating Position	P20 [ Parallel +/-20D or Horizontal (HOR)]
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### Country specific categorizations

ILCOS	LS-90-BY22D-66/528/P20
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## Logistical Data

Product code	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Gross weight	Volume
20170620000007	Sleeves 1	585 mm x 70 mm x 70 mm	540.00 g	2.85 dm <sup>3</sup>
20170620000017	Shipping carton box 12	610 mm x 230 mm x 310 mm	8000.00 g	43.49 dm <sup>3</sup>

## Disclaimer

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Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.