OSRAM

XBO 450 W/1

XBO for cinema projection | Xenon short-arc lamps 450…10,000 W

Areas of application

- Classic 35 mm film projection
- Digital film and video projection
- Architectural and effect light ("Light Finger")
- Sunlight simulation

Product family benefits

- Short arc with very high luminance for brighter screen illumination
- Constant color temperature of 6,000 K throughout the entire lamp lifetime
- Easy to maintain
- High arc stability
- Instant light on screen thanks to hot restart function
- Wide dimming range

Product family features

- Color temperature: approx. 6,000 K (Daylight)
- Wattage: 450…10,000 W
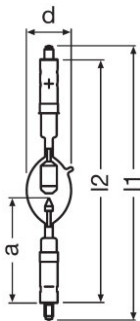- Very good color rendering index: R_a >

Technical data

Electrical data

Nominal current	25 A
Current control range	17...30 A
Nominal wattage	45000 W
Nominal voltage	170 V

Dimensions & weight

Diameter	290 mm
Length	2500 mm
Length with base excl. base pins/connection	202.00 mm
Light center length (LCL)	95.5 mm [1]
Electrode gap cold	2.8 mm
Product weight	18130 g

[1] Distance from end of base to tip of electrode (cold)

Temperatures & operating conditions

Max. permitted ambient temp. pinch point	230 °C

Lifespan

Lifespan	800 h
Service Warranty Lifetime	1000 h

Additional product data

Base anode (standard designation)	SFa20-8
Base cathode (standard designation)	SFa20-10

Capabilities

Cooling	Forced
Burning position	s80p10 [1]

[1] Anode on top

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of Declaration	01-01-2022
Primary Article Identifier	4008321082510
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration No. in SCIP database	574b110c-c69e-489b-bef2-ec2048c93045

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Product datasheet

Disclaimer

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

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