OSRAM

XBO 450 W/2 OFR

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
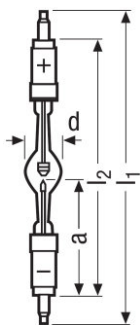– Very good color rendering index: R_a >

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	177.00 mm
Light center length (LCL)	79.0 mm [1]
Electrode gap cold	3.0 mm
Product weight	13410 g
Cable length	2350

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

Temperatures & operating conditions

Max. permitted ambient temp. pinch point	230 °C

Lifespan

Lifespan	2000 h
Service Warranty Lifetime	2500 h

Additional product data

Base anode (standard designation)	SK19/36
Base cathode (standard designation)	SK19/36
Product remark	OFR = Ozone-free version

Capabilities

Cooling	Forced [1]
Burning position	s30 [2]

[1] Vertical

[2] Anode on top

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of Declaration	05-03-2024
Primary Article Identifier	4008321082626 | 4008321071798
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	88de37c7-424d-4c4a-b20d-27e41e20d0db

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Product datasheet

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