Product datasheet

XBO 4500 W/DHP OFR

XBO DHP for digital cinema projection | Xenon short-arc lamps



Areas of application

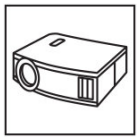
- Cinema projection

Product family features

- Short arc with highest luminance for brighter screen illumination
- A lifetime of reliable performances with constant 6000 K color temperature
- Easy to maintain
- High level of arc stability
- Hot restart and instant light on screen
- Dimmable in a wide range







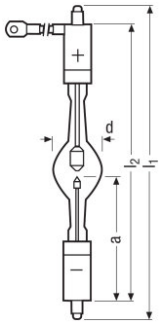
© 2024, OSRAM GmbH. All rights reserved.

Technical data

Electrical data

Nominal current	150 A
Nominal wattage	4500.00 W
Current control range	108...155 A
Nominal voltage	30.0 V

Dimensions & weight



Diameter	60.0 mm
Length	436.0 mm
Length with base excl. base pins/connection	393.00 mm
Cable/wire length, input side	155 mm
Light center length (LCL)	170.5 mm [1)]
Electrode gap cold	6.0 mm
Product weight	853.00 g
Cable length	155.0

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

Temperatures & operating conditions

Max. permitted ambient temp. pinch point	230 °C

Lifespan

Lifespan	1000 h
Service Warranty Lifetime	1300 h

Additional product data

Base anode (standard designation)	SFaX30-9.5
Base cathode (standard designation)	SFa30-7.9

© 2024, OSRAM GmbH. All rights reserved.

Capabilities

Cooling	Forced
Burning position	s15/p15 [1)]

[1)] For vertical burning position: 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	4008321199072 | 4008321633422 | 4062172030571
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	012f940f-18dd-409c-9473-04140360c548

© 2024, OSRAM GmbH. All rights reserved.

Safety advice

Because of their high luminance, UV radiation and internal pressure in both the hot and cold state, XBO lamps may only be operated in enclosed lamp casings specially constructed for the purpose. Xenon lamps are highly explosive. When hot, xenon lamps can cause burn marks. They should only be handled when the lamp is at room temperature. Always use the protective jackets supplied when handling these lamps. When packing the lamps and when installing or removing the lamps without their protective jackets, always wear protective clothing (face shield with neck protector, protective jacket and lint-free, cut-resistant gloves). For more information see the relevant in-pack leaflets and operating instructions.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321199072	XBO 4500 W/DHP OFR	Shipping carton box 1	590 mm x 229 mm x 234 mm	31.62 dm^3	2117.80 g
4062172030571	XBO 4500 W/DHP OFR	Shipping carton box 1	590 mm x 234 mm x 234 mm	32.31 dm^3	1986.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

Disclaimer

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

© 2024, OSRAM GmbH. All rights reserved.