

XBO HSLA for Digital Projectors



Areas of application

- Digital Cinema Projection

Product features and benefits

- High luminance for brighter screen illumination
- A lifetime of consistent performances with constant 6000 K color temperature
- Easy to maintain
- High arc stability
- Hot restart for instant light on screen
- Dimmable over a wide range



Product family datasheet

Technical data

| Product description | General Product Information | Electrical Data | | Photometric Data |
|-----------------------------------|-----------------------------|-----------------|-----------------------|---------------------------|
| | Global order reference | Nominal wattage | Current control range | Light center length (LCL) |
| XBO 4500 W/HSLA OFR ¹⁾ | XBO 4500 W/HSLA OFR | 4500 W | 108...155 A | 171.0 mm ²⁾ |
| XBO 6000 W/HSLA OFR | XBO 6000 W/HSLA OFR | 6000 W | 135...170 A | 171.0 mm ²⁾ |
| XBO 6500 W/HSLA OFR | XBO 6500 W/HSLA OFR | 6500 W | 133...173 A | 171.0 mm ²⁾ |

| Product description | Nominal luminous flux | Physical Attributes & Dimensions | | |
|-----------------------------------|-----------------------|----------------------------------|--------------|----------------|
| | | Electrode gap (cold) | Base (anode) | Base (cathode) |
| XBO 4500 W/HSLA OFR ¹⁾ | | 6.0 mm | SFaX30-9.5 | SFa30-7.9 |
| XBO 6000 W/HSLA OFR | 280000 lm | 7.5 mm | SFaX30-9.5 | SFa30-7.9 |
| XBO 6500 W/HSLA OFR | | 7.5 mm | SFaX30-9.5 | SFa30-7.9 |

| Product description | Diameter | Diameter (in) | Diameter | Length |
|-----------------------------------|----------|---------------|----------|----------|
| XBO 4500 W/HSLA OFR ¹⁾ | 60.0 mm | 2.362 in | 60.0 mm | 413.0 mm |
| XBO 6000 W/HSLA OFR | 78.0 mm | 2.756 in | 78.0 mm | 436.0 mm |
| XBO 6500 W/HSLA OFR | 78.0 mm | 2.756 in | 78.0 mm | 436.0 mm |

| Product description | Length with base excl. base pins/connection | Cable/wire length, input side | Connector: presence | Product weight |
|-----------------------------------|---|-------------------------------|---------------------|----------------|
| XBO 4500 W/HSLA OFR ¹⁾ | 370.00 mm | 400 mm | Yes | 907.00 g |
| XBO 6000 W/HSLA OFR | 393.00 mm | 400 mm | Yes | 1050.00 g |
| XBO 6500 W/HSLA OFR | 393.00 mm | 400 mm | Yes | 1030.00 g |

| Product description | Operating Conditions | | | Lifetime Data |
|-----------------------------------|-----------------------|---------|--|----------------|
| | Burning position | Cooling | Max. permitted ambient temp. pinch point | Warranty hours |
| XBO 4500 W/HSLA OFR ¹⁾ | s15/p15 ³⁾ | Forced | 230 °C | 1000 hrs |
| XBO 6000 W/HSLA OFR | s15/p15 ³⁾ | Forced | 230 °C | 600 hrs |
| XBO 6500 W/HSLA OFR | s15/p15 ³⁾ | Forced | 230 °C | 500 hrs |

Product family datasheet

| | | Environmental & Regulatory Information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) | | |
|-----------------------------------|---------------------------|--|--------------------------------------|----------------------------|
| Product description | Service warranty lifetime | Primary article identifier | Declaration no. in SCIP database | Candidate list substance 1 |
| XBO 4500 W/HSLA OFR ¹⁾ | 1300 hr | 4008321372710 4062172030564 | 80538bc5-de93-4c25-81f1-59a5f7b0e377 | Lead |
| XBO 6000 W/HSLA OFR | 800 hr | 4008321549716 4052899144057 4062172030656 | f210b8f7-ea45-4487-a198-f004ed7ee156 | Lead |
| XBO 6500 W/HSLA OFR | 750 hr | 4062172030748 4008321676085 | 54a0b8c9-5d0c-4655-94d0-00e207b643a5 | Lead |

| Product description | CAS No. of substance 1 | Safe use instruction |
|-----------------------------------|------------------------|--|
| XBO 4500 W/HSLA OFR ¹⁾ | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| XBO 6000 W/HSLA OFR | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| XBO 6500 W/HSLA OFR | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. |

¹⁾ H = Suitable for horizontal burning position/S = Short/LA=Lumen Advanced (High Efficiency lamp)

²⁾ Distance from end of base to tip of electrode (cold)

³⁾ For vertical burning position: anode (+) on top

Product family datasheet

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.

Application advice

For more detailed application information and graphics please see product datasheet.

Disclaimer

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