

XBO for SONY Projectors

High performance, long lasting digital cinema lamps designed for SONY projectors

Areas of application

- Digital Cinema Projection



Product features and benefits

- Extremely high luminance for digital cinema projection
- Color temperature approximately 6000K - simulates daylight
- Continuous spectrum in the visible range
- High color rendering > 95
- High arc stability
- DC operation
- Hot restart



Product family datasheet

Technical data

| Product description | General Product Information | | | Electrical Data |
|----------------------|-----------------------------|----------------------------|------------------------|-----------------|
| | Product number (Americas) | Product name (Americas) | Global order reference | Nominal wattage |
| XBO 2000 W/HPS L OFR | 68883 | XBO 2000W/HPS L 1/CS 1/SKU | XBO 2000 W/HPS L OFR | 2000 W |
| XBO 3000 W/HPS OFR | 69487 | XBO 3000W/HPS 1/CS 1/SKU | XBO 3000 W/HPS OFR | 3000 W |
| XBO 4200 W/HPS OFR | 60009 | XBO 4200W/HPS 1/CS 1/SKU | XBO 4200 W/HPS OFR | 4200 W |
| XBO 4200 W/HPS LL | 60008 | XBO 4200W/HPS L 1/CS 1/SKU | XBO 4200 W/HPS LL | 4200 W |

| Product description | Current control range | Photometric Data | | |
|----------------------|-----------------------|-----------------------|---------------------------|-------------------|
| | | Nominal luminous flux | Light center length (LCL) | Color temperature |
| XBO 2000 W/HPS L OFR | 46...87 A | 80000 lm | 128.0 mm ¹⁾ | |
| XBO 3000 W/HPS OFR | 60...112 A | | 128.0 mm ¹⁾ | 6000 K |
| XBO 4200 W/HPS OFR | 73...137 A | 210000 lm | 128.0 mm ¹⁾ | |
| XBO 4200 W/HPS LL | 69...131 A | | 128.0 mm ¹⁾ | |

| Product description | Physical Attributes & Dimensions | | | |
|----------------------|----------------------------------|--------------|----------------|----------|
| | Electrode gap (cold) | Base (anode) | Base (cathode) | Diameter |
| XBO 2000 W/HPS L OFR | 4.5 mm | SFaX30-14/68 | SFc30-20/50 | 55.0 mm |
| XBO 3000 W/HPS OFR | 4.5 mm | SFaX30-14/68 | SFc30-20/50 | 55.0 mm |
| XBO 4200 W/HPS OFR | 4.3 mm | SFaX30-14/68 | SFc30-20/50 | 60.0 mm |
| XBO 4200 W/HPS LL | 5.9 mm | SFaX30-14/68 | SFc30-20/50 | 60.0 mm |

| Product description | Length | Length with base excl. base pins/connection | Cable/wire length, input side | Connector: presence |
|----------------------|----------|---|-------------------------------|---------------------|
| XBO 2000 W/HPS L OFR | 334.0 mm | 297.00 mm | 195 mm | Yes |
| XBO 3000 W/HPS OFR | 334.0 mm | 297.00 mm | 195 mm | Yes |
| XBO 4200 W/HPS OFR | 334.0 mm | 297.00 mm | 195 mm | Yes |
| XBO 4200 W/HPS LL | 334.0 mm | 297.00 mm | 195 mm | Yes |

| Product description | Product weight | Diameter (in) | Operating Conditions | |
|----------------------|----------------|---------------|-----------------------|---------|
| | | | Burning position | Cooling |
| XBO 2000 W/HPS L OFR | 595.10 g | | s15/p15 ²⁾ | Forced |
| XBO 3000 W/HPS OFR | 630.00 g | 2.165 in | s15/p15 ²⁾ | Forced |
| XBO 4200 W/HPS OFR | 717.00 g | 2.165 in | s15/p15 ²⁾ | Forced |
| XBO 4200 W/HPS LL | 750.00 g | 2.165 in | s15/p15 ²⁾ | Forced |

Product family datasheet

| Product description | Max. permitted ambient temp. pinch point | Lifetime Data | | Environmental & Regulatory Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |
|----------------------|--|----------------|---------------------------|--|
| | | Warranty hours | Service warranty lifetime | Primary article identifier |
| XBO 2000 W/HPS L OFR | 230 °C | 3000 hrs | 3500 hr | 4062172030342 4052899287761 |
| XBO 3000 W/HPS OFR | 230 °C | 1000 hrs | 1300 hr | 4062172232555 4052899213630 4062172030335 |
| XBO 4200 W/HPS OFR | 230 °C | 700 hrs | 850 hr | 4062172225571 4062172030298 4052899202092 |
| XBO 4200 W/HPS LL | 230 °C | 1000 hrs | 1200 hr | 4062172030281 4052899202108 |

| Product description | Declaration no. in SCIP database | Candidate list substance 1 | CAS No. of substance 1 | Safe use instruction |
|----------------------|---|----------------------------|------------------------|--|
| XBO 2000 W/HPS L OFR | c816075e-2194-4118-a481-54224e3feee4 | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| XBO 3000 W/HPS OFR | a79dca5f-6e91-4477-8572-f3ae4fd31a8f | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| XBO 4200 W/HPS OFR | b806361c-8c4a-4b09-91f3-2882c5395cfd 4776d977-ceff-4b5d-8b57-4242dd74650c | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| XBO 4200 W/HPS LL | 4c4eb838-8b5a-4bca-9047-b88c703b363c | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. |

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

²⁾ 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.