

XBO DHP for digital cinema projection

Xenon short-arc lamps

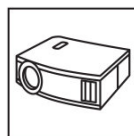


Areas of application

- 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



Product family datasheet

Technical data

| Product description | Electrical data | | Dimensions & weight | | | |
|-----------------------|-----------------|-----------------------|---------------------|----------|---|-------------------------------|
| | Nominal wattage | Current control range | Diameter | Length | Length with base excl. base pins/connection | Cable/wire length, input side |
| XBO 1200 W/DHP OFR | 1200.00 W | 41...63 A | 46.5 mm | 345.0 mm | 295.00 mm | 130 mm |
| XBO 1600 W/DHP OFR | 1600.00 W | 57...86 A | 46.5 mm | 345.0 mm | 295.00 mm | 130 mm |
| XBO 2000 W/DHP L OFR | 2000.00 W | 64...95 A | 55.0 mm | 345.0 mm | 295.00 mm | 130 mm |
| XBO 2200 W/DHP OFR | 2200.00 W | 68...95 A | 52.0 mm | 345.0 mm | 295.00 mm | 130 mm |
| XBO 2500 W/DHP OFR | 2500.00 W | 63...95 A | 55.0 mm | 345.0 mm | 295.00 mm | 130 mm |
| XBO 3000 W/DHS OFR | 3000.00 W | 77...113 A | 60.0 mm | 342.0 mm | 302.00 mm | 155 mm |
| XBO 3000 W/DHP OFR | 3000.00 W | 77...113 A | 55.0 mm | 345.0 mm | 295.00 mm | 130 mm |
| XBO 3000 W/DHP L OFR | 3000.00 W | 76...111 A | 60.0 mm | 345.0 mm | 295.00 mm | 130 mm |
| XBO 3000 W/DHP XL OFR | 3000.00 W | 76...111 A | 60.0 mm | 345.0 mm | 295.00 mm | 130 mm |
| XBO 4000 W/DHP L OFR | 4000.00 W | 95...137 A | 60.0 mm | 345.0 mm | 295.00 mm | 130 mm |
| XBO 4000 W/DHP LL OFR | 4000.00 W | 95...137 A | 60.0 mm | 345.0 mm | 295.00 mm | 130 mm |
| XBO 4000 W/DHP XL OFR | 4000.00 W | 95...137 A | 60.0 mm | 345.0 mm | 295.00 mm | 130 mm |
| XBO 4000 W/DHP OFR | 4200.00 W | 91...130 A | 60.0 mm | 345.0 mm | 295.00 mm | 130 mm |
| XBO 4500 W/DHP OFR | 4500.00 W | 108...155 A | 60.0 mm | 436.0 mm | 393.00 mm | 155 mm |
| XBO 4500 W/DHP L OFR | 4500.00 W | 108...155 A | 60.0 mm | 436.0 mm | 393.00 mm | 155 mm |
| XBO 6000 W/DHP OFR | 6000.00 W | 131...174 A | 78.0 mm | 436.0 mm | 393.00 mm | 155 mm |
| XBO 6000 W/DHP L OFR | 6000.00 W | 125...160 A | 78.0 mm | 436.0 mm | 393.00 mm | 155 mm |
| XBO 6000 W/DHP XL OFR | 6000.00 W | 125...160 A | 78.0 mm | 436.0 mm | 393.00 mm | 155 mm |
| XBO 6500 W/DHP OFR | 6500.00 W | 133...173 A | 78.0 mm | 436.0 mm | 393.00 mm | 155 mm |
| XBO 6500 W/DHP L OFR | 6500.00 W | 133...173 A | 78.0 mm | 436.0 mm | 393.00 mm | 155 mm |
| XBO 6500 W/DHP XL OFR | 6500.00 W | 133...173 A | 78.0 mm | 436.0 mm | 393.00 mm | 155 mm |
| XBO 6500 W/DHP IX OFR | 6500.00 W | 133...173 A | 78.5 mm | 436.0 mm | 393.00 mm | 155 mm |

Product family datasheet

| Product description | Electrical data | | Dimensions & weight | | | |
|---------------------|-----------------|-----------------------|---------------------|----------|---|-------------------------------|
| | Nominal wattage | Current control range | Diameter | Length | Length with base excl. base pins/connection | Cable/wire length, input side |
| XBO 7000W/DHP OFR | 7000.00 W | 130...175 A | 78.0 mm | 436.0 mm | 393.00 mm | 155 mm |

| Product description | Cable length | Electrode gap cold | Light center length (LCL) | Product weight | Temperature s & operating conditions |
|-----------------------|--------------|--------------------|---------------------------|----------------|--|
| | | | | | Max. permitted ambient temp. pinch point |
| XBO 1200 W/DHP OFR | 130.0 | 3.5 mm | 123.0 mm ¹⁾ | 485.00 g | 230 °C |
| XBO 1600 W/DHP OFR | 130.0 | 3.5 mm | 123.0 mm ¹⁾ | 485.00 g | 230 °C |
| XBO 2000 W/DHP L OFR | 130.0 | 4.5 mm | 123.0 mm ¹⁾ | 530.00 g | 230 °C |
| XBO 2200 W/DHP OFR | 130.0 | 3.7 mm | 123.0 mm ¹⁾ | 534.00 g | 230 °C |
| XBO 2500 W/DHP OFR | 130.0 | 4.5 mm | 123.0 mm ¹⁾ | 558.00 g | 230 °C |
| XBO 3000 W/DHS OFR | 155.0 | 6.0 mm | 145.0 mm ¹⁾ | 591.00 g | 230 °C |
| XBO 3000 W/DHP OFR | 130.0 | 4.5 mm | 123.0 mm ¹⁾ | 581.00 g | 230 °C |
| XBO 3000 W/DHP L OFR | 130.0 | 5.0 mm | 123.0 mm ¹⁾ | 623.00 g | 230 °C |
| XBO 3000 W/DHP XL OFR | 130.0 | 5.0 mm | 123.0 mm ¹⁾ | 623.00 g | 230 °C |
| XBO 4000 W/DHP L OFR | 130.0 | 6.0 mm | 123.0 mm ¹⁾ | 645.00 g | 230 °C |
| XBO 4000 W/DHP LL OFR | 130.0 | 6.3 mm | 123.0 mm | 645.00 g | |
| XBO 4000 W/DHP XL OFR | 130.0 | 6.3 mm | 123.0 mm ¹⁾ | 645.00 g | 230 °C |
| XBO 4000 W/DHP OFR | 130.0 | 6.0 mm | 123.0 mm ¹⁾ | 670.00 g | 230 °C |
| XBO 4500 W/DHP OFR | 155.0 | 6.0 mm | 170.5 mm ¹⁾ | 853.00 g | 230 °C |
| XBO 4500 W/DHP L OFR | 155.0 | 6.0 mm | 170.5 mm ¹⁾ | 853.00 g | 230 °C |
| XBO 6000 W/DHP OFR | 155.0 | 7.5 mm | 170.5 mm ¹⁾ | 1000.00 g | 230 °C |
| XBO 6000 W/DHP L OFR | 155.0 | 7.5 mm | 170.5 mm ¹⁾ | 1050.00 g | 230 °C |
| XBO 6000 W/DHP XL OFR | 155.0 | 8.0 mm | 170.5 mm ¹⁾ | 1000.00 g | 230 °C |
| XBO 6500 W/DHP OFR | 155.0 | 7.5 mm | 170.5 mm ¹⁾ | 1023.00 g | 230 °C |
| XBO 6500 W/DHP L OFR | 155.0 | 8.0 mm | 170.5 mm ¹⁾ | 1023.00 g | 230 °C |
| XBO 6500 W/DHP XL OFR | 155.0 | 8.0 mm | 170.5 mm ¹⁾ | 1023.00 g | 230 °C |
| XBO 6500 W/DHP IX OFR | 155.0 | 8.1 mm | 170.5 mm ¹⁾ | 1000.00 g | 230 °C |
| XBO 7000W/DHP OFR | 155.0 | 7.5 mm | 170.5 mm ¹⁾ | 1023.00 g | 230 °C |

| Product description | Lifespan | | Additional product data | |
|----------------------|----------|---------------------------|-----------------------------------|-------------------------------------|
| | Lifespan | Service Warranty Lifetime | Base anode (standard designation) | Base cathode (standard designation) |
| XBO 1200 W/DHP OFR | 3000 h | 3800 h | SFaX30-14 | SFc30-16 |
| XBO 1600 W/DHP OFR | 3000 h | 3800 h | SFaX30-14 | SFc30-16 |
| XBO 2000 W/DHP L OFR | 3300 h | 3500 h | SFaX30-14 | SFc30-16 |
| XBO 2200 W/DHP OFR | 1500 h | 2000 h | SFaX27-14x80 | SFc27-16/55 |

Product family datasheet

| Product description | Lifespan | | Additional product data | |
|-----------------------|----------|---------------------------|-----------------------------------|-------------------------------------|
| | Lifespan | Service Warranty Lifetime | Base anode (standard designation) | Base cathode (standard designation) |
| XBO 2500 W/DHP OFR | 1700 h | 2000 h | SFaX27-14x80 | SFc27-16/55 |
| XBO 3000 W/DHS OFR | 1500 h | 2000 h | SFaX27-9.5 | SFa27-7.9 |
| XBO 3000 W/DHP OFR | 1500 h | 1900 h | SFaX27-14x80 | SFc27-16/55 |
| XBO 3000 W/DHP L OFR | 1900 h | 2100 h | SFaX27-14x80 | SFc27-16/55 |
| XBO 3000 W/DHP XL OFR | 2200 h | 2400 h | SFaX27-14x80 | SFc27-16/55 |
| XBO 4000 W/DHP L OFR | 1300 h | 1500 h | SFaX27-14x80 | SFc27-16/55 |
| XBO 4000 W/DHP LL OFR | 1500 h | 1900 h | SFaX27-14x80 | SFc27-16/55 |
| XBO 4000 W/DHP XL OFR | 1900 h | 2100 h | SFaX27-14x80 | SFc27-16/55 |
| XBO 4000 W/DHP OFR | 1100 h | 1400 h | SFaX27-14x80 | SFc27-16/55 |
| XBO 4500 W/DHP OFR | 1000 h | 1300 h | SFaX30-9.5 | SFa30-7.9 |
| XBO 4500 W/DHP L OFR | 1300 h | 1500 h | SFaX30-9.5 | SFa30-7.9 |
| XBO 6000 W/DHP OFR | 650 h | 800 h | SFaX30-9.5 | SFa30-7.9 |
| XBO 6000 W/DHP L OFR | 900 h | 1100 h | SFaX30-9.5 | SFa30-7.9 |
| XBO 6000 W/DHP XL OFR | 1000 h | 1200 h | SFaX30-9.5 | SFa30-7.9 |
| XBO 6500 W/DHP OFR | 500 h | 750 h | SFaX30-9.5 | SFa30-7.9 |
| XBO 6500 W/DHP L OFR | 700 h | 800 h | SFaX30-9.5 | SFa30-7.9 |
| XBO 6500 W/DHP XL OFR | 900 h | 1000 h | SFaX30-9.5 | SFa30-7.9 |
| XBO 6500 W/DHP IX OFR | 1000 h | 1200 h | SFa30-7.9 | SFaX30-14 |
| XBO 7000W/DHP OFR | 400 h | 500 h | SFaX30-9.5 | SFa30-7.9 |

| Product description | Capabilities | | Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) | |
|----------------------|--------------|-----------------------|---|---|
| | Cooling | Burning position | Date of Declaration | Primary Article Identifier |
| XBO 1200 W/DHP OFR | Forced | s15/p15 ²⁾ | 05-03-2024 | 4008321396433 4052899497962 4062172030472 |
| XBO 1600 W/DHP OFR | Forced | s15/p15 ²⁾ | 06-03-2024 | 4052899254831 4062172030465 |
| XBO 2000 W/DHP L OFR | Forced | s15/p15 ²⁾ | 06-03-2024 | 4052899275638 4062172030427 |
| XBO 2200 W/DHP OFR | Forced | s15/p15 ²⁾ | 06-03-2024 | 4008321865489 4062172030373 |
| XBO 2500 W/DHP OFR | Forced | s15/p15 ²⁾ | 06-03-2024 | 4008321821706 4052899010413 4062172030380 |
| XBO 3000 W/DHS OFR | Forced | s15/p15 ²⁾ | 05-03-2024 | 4008321199065 4008321330017 4062172030540 |

Product family datasheet

| | Capabilities | | Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) | |
|-----------------------|--------------|-----------------------|---|---|
| Product description | Cooling | Burning position | Date of Declaration | Primary Article Identifier |
| XBO 3000 W/DHP OFR | Forced | s15/p15 ²⁾ | 05-03-2024 | 4008321309532 4008321330048 4008321865496 4052899091818 4052899096073 4052899195783 4052899287785 4052899468191 4062172030410 |
| XBO 3000 W/DHP L OFR | Forced | s15/p15 ²⁾ | 06-03-2024 | 4052899212886 4052899235908 4052899317277 4062172030502 |
| XBO 3000 W/DHP XL OFR | Forced | s15/p15 ²⁾ | 07-03-2024 | 4062172092401 |
| XBO 4000 W/DHP L OFR | Forced | p15/s15 ²⁾ | 06-03-2024 | 4052899212879 4052899235915 4052899468214 4062172030403 |
| XBO 4000 W/DHP LL OFR | Forced | p15/s15 ²⁾ | 07-03-2024 | 4062172114080 |
| XBO 4000 W/DHP XL OFR | Forced | s15/p15 ²⁾ | 07-03-2024 | 4062172092395 |
| XBO 4000 W/DHP OFR | Forced | s15/p15 ²⁾ | 05-03-2024 | 4008321309686 4008321546272 4008321865526 4052899091825 4052899096080 4052899195790 4052899287792 4052899317208 10046135694810 4062172030397 |
| XBO 4500 W/DHP OFR | Forced | s15/p15 ²⁾ | 05-03-2024 | 4008321199072 4008321633422 4062172030571 |
| XBO 4500 W/DHP L OFR | Forced | s15/p15 ²⁾ | 06-03-2024 | 4052899343344 4062172030588 |
| XBO 6000 W/DHP OFR | Forced | s15/p15 ²⁾ | 05-03-2024 | 4008321549693 4052899144026 4062172030663 |
| XBO 6000 W/DHP L OFR | Forced | s15/p15 ²⁾ | 06-03-2024 | 4052899087088 4052899343405 4062172030670 |
| XBO 6000 W/DHP XL OFR | Forced | s15/p15 ²⁾ | 07-03-2024 | 4062172110839 |
| XBO 6500 W/DHP OFR | Forced | s15/p15 ²⁾ | 05-03-2024 | 4008321676078 4062172030731 |
| XBO 6500 W/DHP L OFR | Forced | s15/p15 ²⁾ | 06-03-2024 | 4052899448636 4062172030755 |
| XBO 6500 W/DHP XL OFR | Forced | s15/p15 ²⁾ | 06-03-2024 | 4052899593640 4062172031684 |
| XBO 6500 W/DHP IX OFR | Forced | h90 ²⁾ | 07-07-2023 | 4062172363792 |

Product family datasheet

| | Capabilities | | Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) | |
|---------------------|--------------|-----------------------|---|----------------------------|
| Product description | Cooling | Burning position | Date of Declaration | Primary Article Identifier |
| XBO 7000W/DHP OFR | Forced | s15/p15 ²⁾ | 06-03-2024 | 4062172031707 |

| Product description | Candidate List Substance 1 | CAS No. of substance 1 | Safe Use Instruction | Declaration No. in SCIP database |
|----------------------|-------------------------------|---------------------------|--|--|
| XBO 1200 W/DHP OFR | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. | f6cc71e9-adae-4c95-afe0-07d36b5e74f6 |
| XBO 1600 W/DHP OFR | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. | ddc0ca29-d545-4244-bd3d-01657e49e316 |
| XBO 2000 W/DHP L OFR | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 3cc8eb7d-934b-482f-ade0-0afdb83ac51b |
| XBO 2200 W/DHP OFR | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 5e903ee1-3cc9-40f0-ae95-0a54da9c2b3a |
| XBO 2500 W/DHP OFR | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 2699a8c3-f6d1-4519-a2c4-83464e509907 |
| XBO 3000 W/DHS OFR | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 0ad1e6ac-a107-4e86-a73c-0a8cdc49edb4 468df0c2-2da9-47b4-a001-357079e3d0c0 |
| XBO 3000 W/DHP OFR | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. | A303E60B-72E8-4104-9C0C-1F16ADEED959 2C70619C-7452-40E1-9F11-72C36A77558D 34a49bce-cf7a-477b-8d7b-991718631ed4 |

Product family datasheet

| Product description | Candidate List Substance 1 | CAS No. of substance 1 | Safe Use Instruction | Declaration No. in SCIP database |
|-----------------------|----------------------------|------------------------|--|---|
| XBO 3000 W/DHP L OFR | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 42b5a623-65c3-4fc7-b272-e9973ba1c9ec |
| XBO 3000 W/DHP XL OFR | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 4d1b0324-7408-4c16-afc9-0e4165c645a1 |
| XBO 4000 W/DHP L OFR | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. | a182c938-75ef-44e7-a0e6-e8e301002b19 ee6fe08d-465e-439d-9156-a1830163f87d |
| XBO 4000 W/DHP LL OFR | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 68536058-a0f0-4f39-8967-a173bfd19c5b |
| XBO 4000 W/DHP XL OFR | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. | cc43340f-d501-48a4-97e6-2064cf408c27 |
| XBO 4000 W/DHP OFR | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. | ce588d4a-f4ef-4dda-8e54-ddab4457e440 56ff5a8b-6ea4-41c2-bd17-d898f6c185d1 |
| XBO 4500 W/DHP OFR | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 012f940f-18dd-409c-9473-04140360c548 |
| XBO 4500 W/DHP L OFR | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 3de76945-7771-4e03-9280-550799b927c9 |
| XBO 6000 W/DHP OFR | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 8566eac2-b860-4860-9c27-f7b8e2871b1f |

Product family datasheet

| Product description | Candidate List Substance 1 | CAS No. of substance 1 | Safe Use Instruction | Declaration No. in SCIP database |
|-----------------------|----------------------------|------------------------|--|--------------------------------------|
| XBO 6000 W/DHP L OFR | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. | e1be3907-8f4f-4d48-b496-86874180bac4 |
| XBO 6000 W/DHP XL OFR | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. | e98aa7da-cb44-4008-ab03-b605fac43791 |
| XBO 6500 W/DHP OFR | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 412959b3-e26e-4a82-89ba-3ce9a6fa908b |
| XBO 6500 W/DHP L OFR | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 326fc61e-87e5-491e-a54a-876602402f4a |
| XBO 6500 W/DHP XL OFR | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 0afbcf5a-721a-4942-bd3d-6024b2eff6a3 |
| XBO 6500 W/DHP IX OFR | | | | In work |
| XBO 7000W/DHP OFR | Lead | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 885c4405-74b6-4820-817d-399a936e4918 |

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.