

## XBO Traditional & Xtreme Life (XL) Lamps

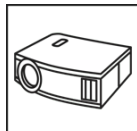


### Areas of application

- Film Projection
- Spotlights
- Searchlights
- Solar-Simulation

### Product features and benefits

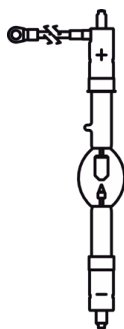
- High luminance for brighter screen illumination
- Consistent performance with constant 6000 K color temperature
- Continuous spectrum in the visible range
- High arc stability
- High arc stability
- Dimmable over a wide range
- Hot restart
- Long lamp life with eXtreme Life technology
- Spectrum suitable for solar simulation applications



Product family datasheet



XBO XENON SHORT ARC LAMP - 3000WHTP CL



XBO XENON SHORT ARC LAMP - 2000 WH XL



XBO XENON SHORT ARC LAMPS

## Product family datasheet

### Technical data

| Product description               | General Product Information |                             |           |                        |
|-----------------------------------|-----------------------------|-----------------------------|-----------|------------------------|
|                                   | Product number (Americas)   | Product name (Americas)     | Lamp type | Global order reference |
| XBO 1000 W/HS OFR <sup>1)</sup>   | 69263                       | XBO 1000W/HS 1/CS 1/SKU     | XENON     | XBO 1000 W/HS OFR      |
| XBO 1000 W/HSC OFR <sup>2)</sup>  | 69264                       | XBO 1000W/HSC 1/CS 1/SKU    | XENON     | XBO 1000 W/HSC OFR     |
| XBO 1000 W/HTP OFR <sup>3)</sup>  | 69265                       | XBO 1000W/HTP 1/CS 1/SKU    | XENON     | XBO 1000 W/HTP OFR     |
| XBO 2000 W/HS OFR <sup>4)</sup>   | 69270                       | XBO 2000W/HS 1/CS 1/SKU     |           | XBO 2000 W/HS OFR      |
| XBO 1600 W XL OFR                 | 69524                       | XBO 1600W/HS XL 1/CS 1/SKU  |           | XBO 1600 W XL OFR      |
| XBO 1600 W/HSC XL OFR             | 69525                       | XBO 1600W/HSC XL 1/CS 1/SKU | XENON     | XBO 1600 W/HSC XL OFR  |
| XBO 2000 W/SHSC OFR <sup>5)</sup> |                             |                             |           | XBO 2000 W/SHSC OFR    |
| XBO 2000 W/H XL OFR               | 69477                       | XBO 2000W/H XL 1/CS 1/SKU   |           | XBO 2000 W/H XL OFR    |
| XBO 2000 W/HTP XL OFR             | 69495                       | XBO 2000W/HTP XL 1/CS 1/SKU |           | XBO 2000 W/HTP XL OFR  |
| XBO 2500 W/HS XL OFR              | 69507                       | XBO 2500W/HS XL 1/CS 1/SKU  |           | XBO 2500 W/HS XL OFR   |
| XBO 3000 W/H XL OFR               | 69478                       | XBO 3000W/H XL 1/CS 1/SKU   |           | XBO 3000 W/H XL OFR    |
| XBO 3000 W/HS XL OFR              | 69479                       | XBO 3000W/HS XL 1/CS 1/SKU  |           | XBO 3000 W/HS XL OFR   |
| XBO 3000 W/HTP XL OFR             | 69152                       | XBO 3000W/HTP XL 1/CS 1/SKU |           | XBO 3000 W/HTP XL OFR  |
| XBO                               |                             |                             |           | XBO 3600W/HTM O        |
| XBO 4000 W/HSA OFR                |                             |                             |           | XBO 4000 W/HSA OFR     |
| XBO 4000 W/HS XL OFR              | 69474                       | XBO 4000W/HS XL 1/CS 1/SKU  |           | XBO 4000 W/HS XL OFR   |
| XBO 4000 W/HTP XL OFR             |                             |                             |           | XBO 4000 W/HTP XL OFR  |
| XBO 4500 W/HS XL OFR              | 4008321412881               | XBO 4500W/HS XL 1/CS 1/SKU  |           | XBO 4500 W/HS XL OFR   |
| XBO 4500 W/HTP XL OFR             |                             |                             |           | XBO 4500 W/HTP XL OFR  |
| XBO 5000 W/H XL OFR               |                             |                             |           | XBO 5000 W/H XL OFR    |
| XBO 5000 W/HBM XL OFR             |                             |                             |           | XBO 5000 W/HBM XL OFR  |
| XBO 6000 W/HS XL OFR              |                             |                             |           | XBO 6000 W/HS XL OFR   |
| XBO 6000 W/HTP XL OFR             |                             |                             |           | XBO 6000 W/HTP XL OFR  |

Product family datasheet

| General Product Information      |                              |                               |           |                           |
|----------------------------------|------------------------------|-------------------------------|-----------|---------------------------|
| Product description              | Product number<br>(Americas) | Product name<br>(Americas)    | Lamp type | Global order<br>reference |
| XBO 7000 W/HS XL OFR             | 69527                        | XBO 7000W/HS XL<br>1/CS 1/SKU |           | XBO 7000 W/HS XL<br>OFR   |
| XBO 10000 W/HS OFR <sup>1)</sup> |                              |                               |           | XBO 10000 W/HS<br>OFR     |

|                                   |              | Electrical Data |                       | Photometric Data                        |
|-----------------------------------|--------------|-----------------|-----------------------|-----------------------------------------|
| Product description               | Family brand | Nominal wattage | Current control range | Luminance                               |
| XBO 1000 W/HS OFR <sup>1)</sup>   | XBO          | 1000 W          | 30...55 A             | 60000 cd/cm <sup>2</sup> <sup>6)</sup>  |
| XBO 1000 W/HSC OFR <sup>2)</sup>  |              | 1000 W          | 30...55 A             | 60000 cd/cm <sup>2</sup> <sup>6)</sup>  |
| XBO 1000 W/HTP OFR <sup>3)</sup>  |              | 1000 W          | 30...55 A             | 45000 cd/cm <sup>2</sup> <sup>6)</sup>  |
| XBO 2000 W/HS OFR <sup>4)</sup>   |              | 2000 W          | 50...85 A             |                                         |
| XBO 1600 W XL OFR                 |              | 1600 W          | 45...75 A             | 65000 cd/cm <sup>2</sup> <sup>6)</sup>  |
| XBO 1600 W/HSC XL OFR             |              | 1600 W          | 50...70 A             | 70000 cd/cm <sup>2</sup> <sup>6)</sup>  |
| XBO 2000 W/SHSC OFR <sup>5)</sup> |              | 2000 W          | 50...85 A             | 8000 cd/cm <sup>2</sup> <sup>6)</sup>   |
| XBO 2000 W/H XL OFR               |              | 2000 W          | 50...85 A             | 80000 cd/cm <sup>2</sup> <sup>6)</sup>  |
| XBO 2000 W/HTP XL OFR             |              | 2000 W          | 50...85 A             | 75000 cd/cm <sup>2</sup> <sup>6)</sup>  |
| XBO 2500 W/HS XL OFR              |              | 2500 W          | 70...100 A            | 80000 cd/cm <sup>2</sup> <sup>6)</sup>  |
| XBO 3000 W/H XL OFR               |              | 3000 W          | 70...110 A            | 85000 cd/cm <sup>2</sup> <sup>6)</sup>  |
| XBO 3000 W/HS XL OFR              |              | 3000 W          | 70...110 A            | 90000 cd/cm <sup>2</sup> <sup>6)</sup>  |
| XBO 3000 W/HTP XL OFR             |              | 3000 W          | 70...110 A            | 85000 cd/cm <sup>2</sup> <sup>6)</sup>  |
| XBO                               |              | 3600 W          |                       |                                         |
| XBO 4000 W/HSA OFR                |              | 4000 W          | 80...150 A            | 105000 cd/cm <sup>2</sup> <sup>6)</sup> |
| XBO 4000 W/HS XL OFR              |              | 4000 W          | 80...150 A            | 90000 cd/cm <sup>2</sup> <sup>6)</sup>  |
| XBO 4000 W/HTP XL OFR             |              | 4000 W          | 100...140 A           | 90000 cd/cm <sup>2</sup> <sup>6)</sup>  |
| XBO 4500 W/HS XL OFR              |              | 4500 W          | 80...150 A            | 105000 cd/cm <sup>2</sup> <sup>6)</sup> |
| XBO 4500 W/HTP XL OFR             |              | 4500 W          | 80...150 A            | 105000 cd/cm <sup>2</sup> <sup>6)</sup> |
| XBO 5000 W/H XL OFR               |              | 5000 W          | 100...150 A           | 95000 cd/cm <sup>2</sup> <sup>6)</sup>  |
| XBO 5000 W/HBM XL OFR             |              | 5000 W          | 100...150 A           | 95000 cd/cm <sup>2</sup> <sup>6)</sup>  |
| XBO 6000 W/HS XL OFR              |              | 6000 W          | 110...165 A           | 105000 cd/cm <sup>2</sup> <sup>6)</sup> |
| XBO 6000 W/HTP XL OFR             |              | 6000 W          | 110...165 A           | 105000 cd/cm <sup>2</sup> <sup>6)</sup> |
| XBO 7000 W/HS XL OFR              |              | 7000 W          | 110...165 A           | 100000 cd/cm <sup>2</sup> <sup>6)</sup> |
| XBO 10000 W/HS OFR <sup>1)</sup>  |              | 10000 W         | 160...200 A           | 90000 cd/cm <sup>2</sup> <sup>6)</sup>  |

| Product description              | Nominal luminous<br>flux | Color temperature | Color rendering index<br>Ra | Light<br>center<br>length<br>(LCL) |
|----------------------------------|--------------------------|-------------------|-----------------------------|------------------------------------|
| XBO 1000 W/HS OFR <sup>1)</sup>  | 32000 lm                 | 6000 K            | 98                          | 95.0 mm <sup>7)</sup>              |
| XBO 1000 W/HSC OFR <sup>2)</sup> | 32000 lm                 | 6000 K            | 98                          | 95.0 mm <sup>7)</sup>              |
| XBO 1000 W/HTP OFR <sup>3)</sup> | 35000 lm                 | 6000 K            | 98                          | 123.0 mm<br><sup>7)</sup>          |
| XBO 2000 W/HS OFR <sup>4)</sup>  |                          |                   |                             | 145.0 mm<br><sup>7)</sup>          |
| XBO 1600 W XL OFR                | 70000 lm                 | 6000 K            | 98                          | 143.0 mm<br><sup>7)</sup>          |

Product family datasheet

| Product description               | Nominal luminous flux | Color temperature | Color rendering index Ra | Light center length (LCL) |
|-----------------------------------|-----------------------|-------------------|--------------------------|---------------------------|
| XBO 1600 W/HSC XL OFR             | 70000 lm              | 6000 K            | 98                       | 95.0 mm <sup>7)</sup>     |
| XBO 2000 W/SHSC OFR <sup>5)</sup> | 80000 lm              | 6000 K            | 98                       | 95.0 mm <sup>7)</sup>     |
| XBO 2000 W/H XL OFR               |                       |                   |                          | 142.5 mm <sup>7)</sup>    |
| XBO 2000 W/HTP XL OFR             | 80000 lm              | 6000 K            | 98                       | 142.5 mm <sup>7)</sup>    |
| XBO 2500 W/HS XL OFR              |                       |                   |                          | 145.0 mm <sup>7)</sup>    |
| XBO 3000 W/H XL OFR               |                       |                   |                          | 167.5 mm <sup>7)</sup>    |
| XBO 3000 W/HS XL OFR              |                       |                   |                          | 145.0 mm <sup>7)</sup>    |
| XBO 3000 W/HTP XL OFR             | 130000 lm             |                   |                          | 162.5 mm <sup>7)</sup>    |
| XBO                               |                       |                   |                          |                           |
| XBO 4000 W/HSA OFR                |                       |                   |                          | 171.0 mm <sup>7)</sup>    |
| XBO 4000 W/HS XL OFR              |                       |                   |                          | 171.0 mm <sup>7)</sup>    |
| XBO 4000 W/HTP XL OFR             |                       |                   |                          | 167.5 mm <sup>7)</sup>    |
| XBO 4500 W/HS XL OFR              |                       |                   |                          | 171.0 mm <sup>7)</sup>    |
| XBO 4500 W/HTP XL OFR             |                       |                   |                          | 165.0 mm <sup>7)</sup>    |
| XBO 5000 W/H XL OFR               |                       |                   |                          | 167.5 mm <sup>7)</sup>    |
| XBO 5000 W/HBM XL OFR             |                       |                   |                          | 170.5 mm <sup>7)</sup>    |
| XBO 6000 W/HS XL OFR              |                       |                   |                          | 170.5 mm <sup>7)</sup>    |
| XBO 6000 W/HTP XL OFR             |                       |                   |                          | 165.0 mm <sup>7)</sup>    |
| XBO 7000 W/HS XL OFR              |                       |                   |                          | 170.5 mm <sup>7)</sup>    |
| XBO 10000 W/HS OFR <sup>1)</sup>  | 500000 lm             |                   |                          | 170.5 mm <sup>7)</sup>    |

| Product description               | Physical Attributes & Dimensions |              |                |          |
|-----------------------------------|----------------------------------|--------------|----------------|----------|
|                                   | Electrode gap (cold)             | Base (anode) | Base (cathode) | Diameter |
| XBO 1000 W/HS OFR <sup>1)</sup>   | 3.6 mm                           | SFa27-11     | SFcX27-8       | 40.0 mm  |
| XBO 1000 W/HSC OFR <sup>2)</sup>  | 3.6 mm                           | SK27/50      | SFcX27-8       | 40.0 mm  |
| XBO 1000 W/HTP OFR <sup>3)</sup>  | 4.8 mm                           | SFa25-14     | SFc25-14       | 46.0 mm  |
| XBO 2000 W/HS OFR <sup>4)</sup>   | 5.0 mm                           | SFaX27-9.5   | SFa27-7.9      | 60.0 mm  |
| XBO 1600 W XL OFR                 | 4.8 mm                           | SFaX27-10    | SFa27-12       | 52.0 mm  |
| XBO 1600 W/HSC XL OFR             | 3.8 mm                           | SK27/50      | SFcX27-8       | 46.0 mm  |
| XBO 2000 W/SHSC OFR <sup>5)</sup> | 5.0 mm                           | SK27/50      | SFcX27-8       | 46.0 mm  |
| XBO 2000 W/H XL OFR               | 5.8 mm                           | SFaX27-10    | SFaX27-12      | 52.0 mm  |
| XBO 2000 W/HTP XL OFR             | 5.8 mm                           | SFa25-14     | SFc25-14       | 52.0 mm  |

## Product family datasheet

| Product description              | Physical Attributes & Dimensions |              |                |          |
|----------------------------------|----------------------------------|--------------|----------------|----------|
|                                  | Electrode gap (cold)             | Base (anode) | Base (cathode) | Diameter |
| XBO 2500 W/HS XL OFR             | 5.5 mm                           | SFaX27-9.5   | SFa27-7.9      | 60.0 mm  |
| XBO 3000 W/H XL OFR              | 6.0 mm                           | SFaX30-13    | SFaX30-14      | 66.0 mm  |
| XBO 3000 W/HS XL OFR             | 6.0 mm                           | SFaX30-9.5   | SFa30-7.9      | 60.0 mm  |
| XBO 3000 W/HTP XL OFR            | 6.0 mm                           | SFa30-14     | SFc27-14       | 60.0 mm  |
| XBO                              |                                  |              |                | 60.0 mm  |
| XBO 4000 W/HSA OFR               | 6.6 mm                           | SFaX30-9.5   | SFa30-7.9      | 70.0 mm  |
| XBO 4000 W/HS XL OFR             | 7.0 mm                           | SFaX30-9.5   | SFa30-7.9      | 70.0 mm  |
| XBO 4000 W/HTP XL OFR            | 7.0 mm                           | SFa30-14     | SFc30-14       | 70.0 mm  |
| XBO 4500 W/HS XL OFR             | 7.5 mm                           | SFaX30-9.5   | SFa30-7.9      | 70.0 mm  |
| XBO 4500 W/HTP XL OFR            | 7.5 mm                           | SFa27-14     | SFc27-14       | 70.0 mm  |
| XBO 5000 W/H XL OFR              | 7.5 mm                           | SFaX30-16    | SFaX28-18      | 70.0 mm  |
| XBO 5000 W/HBM XL OFR            | 7.5 mm                           | SFaX30-9.5   | SFa30-7.9      | 70.0 mm  |
| XBO 6000 W/HS XL OFR             | 9.0 mm                           | SFaX30-9.5   | SFa30-7.9      | 78.0 mm  |
| XBO 6000 W/HTP XL OFR            | 9.0 mm                           | SFa27-14     | SFc27-14       | 78.0 mm  |
| XBO 7000 W/HS XL OFR             | 11.0 mm                          | SFaX30-9.5   | SFa30-7.9      | 78.0 mm  |
| XBO 10000 W/HS OFR <sup>1)</sup> | 13.5 mm                          | SFaX30-9.5   | SFa30-7.9      | 78.0 mm  |

| Product description               | Diameter (in) | Diameter | Length   | Length with base excl. base pins/connection |
|-----------------------------------|---------------|----------|----------|---------------------------------------------|
| XBO 1000 W/HS OFR <sup>1)</sup>   | 1.614 in      | 40.0 mm  | 235.0 mm | 205.00 mm                                   |
| XBO 1000 W/HSC OFR <sup>2)</sup>  | 1.575 in      | 40.0 mm  | 236.0 mm | 220.00 mm                                   |
| XBO 1000 W/HTP OFR <sup>3)</sup>  | 1.811 in      | 46.0 mm  | 330.0 mm | 277.00 mm                                   |
| XBO 2000 W/HS OFR <sup>4)</sup>   | 2.362 in      | 60.0 mm  | 302.0 mm | 302.00 mm                                   |
| XBO 1600 W XL OFR                 | 2.047 in      | 52.0 mm  | 235.0 mm | 322.00 mm                                   |
| XBO 1600 W/HSC XL OFR             | 1.811 in      | 46.0 mm  | 236.0 mm | 222.00 mm                                   |
| XBO 2000 W/SHSC OFR <sup>5)</sup> | 1.811 in      | 46.0 mm  | 236.0 mm | 220.00 mm                                   |
| XBO 2000 W/H XL OFR               | 2.047 in      | 52.0 mm  | 370.0 mm | 322.00 mm                                   |
| XBO 2000 W/HTP XL OFR             | 2.047 in      | 52.0 mm  | 375.0 mm | 322.00 mm                                   |
| XBO 2500 W/HS XL OFR              | 2.362 in      | 60.0 mm  | 342.0 mm | 302.00 mm                                   |
| XBO 3000 W/H XL OFR               | 2.362 in      | 66.0 mm  | 428.0 mm | 382.00 mm                                   |
| XBO 3000 W/HS XL OFR              | 2.362 in      | 60.0 mm  | 342.0 mm | 302.00 mm                                   |
| XBO 3000 W/HTP XL OFR             | 2.598 in      | 60.0 mm  | 405.0 mm | 357.00 mm                                   |
| XBO                               |               | 60.0 mm  | 413.0 mm |                                             |
| XBO 4000 W/HSA OFR                |               | 70.0 mm  | 416.0 mm | 370.00 mm                                   |
| XBO 4000 W/HS XL OFR              | 2.756 in      | 70.0 mm  | 416.0 mm | 370.00 mm                                   |
| XBO 4000 W/HTP XL OFR             | 2.756 in      | 70.0 mm  | 410.0 mm | 382.00 mm                                   |
| XBO 4500 W/HS XL OFR              | 2.756 in      | 70.0 mm  | 413.0 mm | 370.00 mm                                   |
| XBO 4500 W/HTP XL OFR             | 2.756 in      | 70.0 mm  | 410.0 mm | 382.00 mm                                   |
| XBO 5000 W/H XL OFR               | 2.756 in      | 70.0 mm  | 433.0 mm | 382.00 mm                                   |
| XBO 5000 W/HBM XL OFR             |               | 70.0 mm  | 439.0 mm | 393.00 mm                                   |
| XBO 6000 W/HS XL OFR              | 3.071 in      | 78.0 mm  | 436.0 mm | 393.00 mm                                   |
| XBO 6000 W/HTP XL OFR             | 3.071 in      | 78.0 mm  | 430.0 mm | 382.00 mm                                   |
| XBO 7000 W/HS XL OFR              | 3.071 in      | 78.0 mm  | 436.0 mm | 393.00 mm                                   |

## Product family datasheet

| Product description               | Diameter (in)  | Diameter               | Length              | Length with base excl. base pins/connection |
|-----------------------------------|----------------|------------------------|---------------------|---------------------------------------------|
| XBO 10000 W/HS OFR <sup>1)</sup>  |                | 78.0 mm                | 393.0 mm            | 393.00 mm                                   |
|                                   |                |                        |                     | <b>Operating Conditions</b>                 |
| Product description               | Product weight | Lamp base              | Connector: presence | Burning position                            |
| XBO 1000 W/HS OFR <sup>1)</sup>   | 255.00 g       | SFa27-11+SFcX27-8      |                     | s20/p20 <sup>8)</sup>                       |
| XBO 1000 W/HSC OFR <sup>2)</sup>  | 303.00 g       | SK27/50+SFcX27-8       | Yes                 | s20/p20 <sup>8)</sup>                       |
| XBO 1000 W/HTP OFR <sup>3)</sup>  | 331.00 g       | SFa25-14+SFc25-14      |                     | s30/p30 <sup>8)</sup>                       |
| XBO 2000 W/HS OFR <sup>4)</sup>   | 490.00 g       | SFaX27-9.5+SFa27-7.9   | Yes                 | s30/p30 <sup>8)</sup>                       |
| XBO 1600 W XL OFR                 | 301.00 g       | SFa27-11+SFcX27-8      |                     | Other <sup>10)</sup>                        |
| XBO 1600 W/HSC XL OFR             | 321.00 g       | SK27/50+SFcX27-8       | Yes                 | s20/p20 <sup>8)</sup>                       |
| XBO 2000 W/SHSC OFR <sup>5)</sup> | 391.00 g       | SK27/50+SFcX27-8       | Yes                 | s30/p30 <sup>8)</sup>                       |
| XBO 2000 W/H XL OFR               | 534.00 g       | SFaX 27-10+SFaX 27-12  | Yes                 | s30/p30 <sup>8)</sup>                       |
| XBO 2000 W/HTP XL OFR             | 452.00 g       | SFa25+SFc25            |                     | s30/p30 <sup>8)</sup>                       |
| XBO 2500 W/HS XL OFR              | 571.00 g       | SFaX27-9.5+SFa27-7.9   | Yes                 | s30/p30 <sup>8)</sup>                       |
| XBO 3000 W/H XL OFR               | 687.00 g       | SFaX27-13+SFaX27-14    | Yes                 | s30/p30 <sup>8)</sup>                       |
| XBO 3000 W/HS XL OFR              | 585.00 g       | SFaX 30-9.5+SFa 30-7.9 | Yes                 | s30/p30 <sup>8)</sup>                       |
| XBO 3000 W/HTP XL OFR             | 560.00 g       | SFa27+SFc27            |                     | s30/p30 <sup>8)</sup>                       |
| XBO                               | 920.00 g       | SFa28-13+SFc28-13      |                     | h90                                         |
| XBO 4000 W/HSA OFR                | 1022.00 g      | SFaX30-9.5+SFa30-7.9   | Yes                 | s20/p20 <sup>8)</sup>                       |
| XBO 4000 W/HS XL OFR              | 920.00 g       | SFaX 30-9.5+SFa 30-7.9 | Yes                 | s30/p30 <sup>8)</sup>                       |
| XBO 4000 W/HTP XL OFR             | 820.00 g       | SFa27+SFc27            | Yes                 | s20/p20 <sup>8)</sup>                       |
| XBO 4500 W/HS XL OFR              | 1023.00 g      | SFaX30-9.5+SFa30-7.9   | Yes                 | s15/p15 <sup>8)</sup>                       |
| XBO 4500 W/HTP XL OFR             | 828.00 g       | SFa27-14+SFc27-14      |                     | p15 <sup>8)</sup>                           |
| XBO 5000 W/H XL OFR               | 1028.00 g      | SFaX27+SFaX27          | Yes                 | s15/p15 <sup>8)</sup>                       |
| XBO 5000 W/HBM XL OFR             | 925.00 g       | SFaX30-9.5+SFa30-7.9   | Yes                 | p15 <sup>8)</sup>                           |
| XBO 6000 W/HS XL OFR              | 1025.00 g      | SFaX30-9.5+SFa30-7.9   | Yes                 | s15/p15 <sup>8)</sup>                       |
| XBO 6000 W/HTP XL OFR             | 933.00 g       | SFa27-14+SFc27-14      |                     | p15 <sup>8)</sup>                           |
| XBO 7000 W/HS XL OFR              | 1025.00 g      | SFaX30-9.5+SFa30-7.9   | Yes                 | s15/p15 <sup>8)</sup>                       |
| XBO 10000 W/HS OFR <sup>1)</sup>  | 1030.00 g      | SFaX 30-9.5+SFa 30-7.9 | Yes                 | s15/p15 <sup>8)</sup>                       |

Product family datasheet

| Product description               | Cooling              | Max. permitted ambient temp. pinch point | Maximum permitted ambient temperature at base | Lifetime Data  |
|-----------------------------------|----------------------|------------------------------------------|-----------------------------------------------|----------------|
|                                   |                      |                                          |                                               | Warranty hours |
| XBO 1000 W/HS OFR <sup>1)</sup>   | Forced <sup>9)</sup> | 230 °C                                   | 230 °C                                        | 2000 hrs       |
| XBO 1000 W/HSC OFR <sup>2)</sup>  | Forced               | 230 °C                                   |                                               | 2000 hrs       |
| XBO 1000 W/HTP OFR <sup>3)</sup>  | Forced               | 230 °C                                   |                                               | 2400 hrs       |
| XBO 2000 W/HS OFR <sup>4)</sup>   | Forced <sup>9)</sup> | 230 °C                                   | 230 °C                                        | 2400 hrs       |
| XBO 1600 W XL OFR                 | Forced               | 230 °C                                   |                                               | 3500 hrs       |
| XBO 1600 W/HSC XL OFR             | Forced               | 230 °C                                   |                                               | 2500 hrs       |
| XBO 2000 W/SHSC OFR <sup>5)</sup> | Forced               | 230 °C                                   |                                               | 2000 hrs       |
| XBO 2000 W/H XL OFR               | Forced               | 230 °C                                   |                                               | 3500 hrs       |
| XBO 2000 W/HTP XL OFR             | Forced               | 230 °C                                   |                                               | 3500 hrs       |
| XBO 2500 W/HS XL OFR              | Forced               | 230 °C                                   |                                               | 2200 hrs       |
| XBO 3000 W/H XL OFR               | Forced <sup>9)</sup> | 230 °C                                   |                                               | 2200 hrs       |
| XBO 3000 W/HS XL OFR              | Forced <sup>9)</sup> | 230 °C                                   |                                               | 2200 hrs       |
| XBO 3000 W/HTP XL OFR             | Forced <sup>9)</sup> | 230 °C                                   |                                               | 2200 hrs       |
| XBO                               |                      |                                          |                                               |                |
| XBO 4000 W/HSA OFR                | Forced <sup>9)</sup> | 230 °C                                   |                                               | 1000 hrs       |
| XBO 4000 W/HS XL OFR              | Forced <sup>9)</sup> | 230 °C                                   |                                               | 1500 hrs       |
| XBO 4000 W/HTP XL OFR             | Forced <sup>9)</sup> | 230 °C                                   |                                               | 1500 hrs       |
| XBO 4500 W/HS XL OFR              | Forced <sup>9)</sup> | 230 °C                                   |                                               | 1400 hrs       |
| XBO 4500 W/HTP XL OFR             | Forced <sup>9)</sup> | 230 °C                                   |                                               | 1400 hrs       |
| XBO 5000 W/H XL OFR               | Forced <sup>9)</sup> | 230 °C                                   |                                               | 1200 hrs       |
| XBO 5000 W/HBM XL OFR             | Forced <sup>9)</sup> | 230 °C                                   |                                               |                |
| XBO 6000 W/HS XL OFR              | Forced <sup>9)</sup> | 230 °C                                   |                                               | 750 hrs        |
| XBO 6000 W/HTP XL OFR             | Forced <sup>9)</sup> | 230 °C                                   |                                               | 750 hrs        |
| XBO 7000 W/HS XL OFR              | Forced <sup>9)</sup> | 230 °C                                   |                                               | 650 hrs        |
| XBO 10000 W/HS OFR <sup>1)</sup>  | Forced <sup>9)</sup> | 230 °C                                   |                                               | 500 hrs        |

| Environmental & Regulatory Information<br>Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                               |                                      |                            |                        |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------------|----------------------------|------------------------|
| Product description                                                                                             | Primary article identifier    | Declaration no. in SCIP database     | Candidate list substance 1 | CAS No. of substance 1 |
| XBO 1000 W/HS OFR <sup>1)</sup>                                                                                 | 4008321082114                 | 22b5c075-11fc-41b0-ad60-dec034d8f30c | Lead                       | 7439-92-1              |
| XBO 1000 W/HSC OFR <sup>2)</sup>                                                                                | 4008321082107                 | f094a128-1489-4dbf-8649-bb523f769078 | Lead                       | 7439-92-1              |
| XBO 1000 W/HTP OFR <sup>3)</sup>                                                                                | 4008321081353   4062172030243 | 4a09dcc0-a0da-4682-93fa-303d254e4c80 | Lead                       | 7439-92-1              |
| XBO 2000 W/HS OFR <sup>4)</sup>                                                                                 | 4008321081360   4062172030359 | e8ef51c8-36d5-458d-aa43-bff7de28bede | Lead                       | 7439-92-1              |
| XBO 1600 W XL OFR                                                                                               | 4008321299918   4062172031714 | c83dcc90-6023-4924-b0d8-b34998daa554 | Lead                       | 7439-92-1              |



## Product family datasheet

| Environmental & Regulatory Information<br>Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                                               |                                                                             |                            |                        |
|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------|----------------------------|------------------------|
| Product description                                                                                             | Primary article identifier                    | Declaration no. in SCIP database                                            | Candidate list substance 1 | CAS No. of substance 1 |
| XBO 1600 W/HSC XL OFR                                                                                           | 4008321299932   4062172031721                 | 7a9913f5-169b-4ced-8b20-4a10b8b6fd73   49877f08-b6d6-461c-b64a-018655e8a602 | Lead                       | 7439-92-1              |
| XBO 2000 W/SHSC OFR <sup>5)</sup>                                                                               | 4008321082077                                 | d7d8f0b3-9cce-48bc-b9a2-a440e89f5b64                                        | Lead                       | 7439-92-1              |
| XBO 2000 W/H XL OFR                                                                                             | 4008321211781                                 | 9833f335-0b1f-45d1-96ec-3872939e7bed                                        | Lead                       | 7439-92-1              |
| XBO 2000 W/HTP XL OFR                                                                                           | 4008321244031                                 | 6289c378-8cb7-40d8-bd67-f74e947878c5                                        | Lead                       | 7439-92-1              |
| XBO 2500 W/HS XL OFR                                                                                            | 4062172030250   4008321299963                 | ea7f9ace-f767-4dd4-8383-1b55f8e488b7                                        | Lead                       | 7439-92-1              |
| XBO 3000 W/H XL OFR                                                                                             | 4008321226174                                 | 57f4a7ba-4fa1-44ab-8b28-00f5e4847066                                        | Lead                       | 7439-92-1              |
| XBO 3000 W/HS XL OFR                                                                                            | 4008321330031   4062172152341   4062172030311 | dd2ddf15-037b-4473-8156-97498e721fb3   c331ba5b-e29f-4e83-9bdd-095d344154b8 | Lead                       | 7439-92-1              |
| XBO 3000 W/HTP XL OFR                                                                                           | 4008321244017                                 | 847c6873-a086-4887-b5a4-0fcb40e47dbc                                        | Lead                       | 7439-92-1              |
| XBO                                                                                                             | 4008321372703                                 | In work                                                                     |                            |                        |
| XBO 4000 W/HSA OFR                                                                                              | 4008321412980                                 | 0b6df52f-0b97-4d4d-bcc0-6d1dab9f13b9                                        | Lead                       | 7439-92-1              |
| XBO 4000 W/HS XL OFR                                                                                            | 4008321412812                                 | 65c64d0a-d452-470b-8914-c022a2c5a556                                        | Lead                       | 7439-92-1              |
| XBO 4000 W/HTP XL OFR                                                                                           | 4008321412874                                 | 35c99854-8d47-47b1-bfdc-a286862d25e2                                        | Lead                       | 7439-92-1              |
| XBO 4500 W/HS XL OFR                                                                                            | 4008321412881                                 | 2a7bfa41-544e-40aa-a314-c9fc5872b500                                        | Lead                       | 7439-92-1              |
| XBO 4500 W/HTP XL OFR                                                                                           | 4008321412898                                 | In work                                                                     |                            |                        |
| XBO 5000 W/H XL OFR                                                                                             | 4008321412829                                 | 6666821c-6025-4ae2-9049-74872cf69c52                                        | Lead                       | 7439-92-1              |
| XBO 5000 W/HBM XL OFR                                                                                           | 4008321334916   4008321412836                 | 72c018af-3320-4320-a45d-d7545789b35e                                        | Lead                       | 7439-92-1              |
| XBO 6000 W/HS XL OFR                                                                                            | 4008321412904   4062172030618                 | ff65d599-ce0d-4b3f-b2e1-ecbcefe3d8f1                                        | Lead                       | 7439-92-1              |
| XBO 6000 W/HTP XL OFR                                                                                           | 4008321412911                                 | In work                                                                     |                            |                        |
| XBO 7000 W/HS XL OFR                                                                                            | 4062172030625   4008321412928                 | 1ed097d6-f451-4c5c-b29a-3f156fd7504f                                        | Lead                       | 7439-92-1              |

Product family datasheet

| Environmental & Regulatory Information<br>Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                               |                                                                             |                            |                        |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------------------------------------|----------------------------|------------------------|
| Product description                                                                                             | Primary article identifier    | Declaration no. in SCIP database                                            | Candidate list substance 1 | CAS No. of substance 1 |
| XBO 10000 W/HS OFR <sup>1)</sup>                                                                                | 4062172030724   4008321552327 | 7934c4e7-ad5d-4e20-9baa-2349e600f6ad   cb26f713-f336-4c5c-b8f4-f0f8d52a0f47 | Lead                       | 7439-92-1              |

| Product description               | Safe use instruction                                                                               |
|-----------------------------------|----------------------------------------------------------------------------------------------------|
| XBO 1000 W/HS OFR <sup>1)</sup>   | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| XBO 1000 W/HSC OFR <sup>2)</sup>  | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| XBO 1000 W/HTP OFR <sup>3)</sup>  | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| XBO 2000 W/HS OFR <sup>4)</sup>   | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| XBO 1600 W XL OFR                 | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| XBO 1600 W/HSC XL OFR             | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| XBO 2000 W/SHSC OFR <sup>5)</sup> | The identification of the Candidate List substance is sufficient to allow safe use of the article. |

## Product family datasheet

| Product description   | Safe use instruction                                                                               |
|-----------------------|----------------------------------------------------------------------------------------------------|
| XBO 2000 W/H XL OFR   | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| XBO 2000 W/HTP XL OFR | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| XBO 2500 W/HS XL OFR  | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| XBO 3000 W/H XL OFR   | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| XBO 3000 W/HS XL OFR  | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| XBO 3000 W/HTP XL OFR | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| XBO                   |                                                                                                    |
| XBO 4000 W/HSA OFR    | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| XBO 4000 W/HS XL OFR  | The identification of the Candidate List substance is sufficient to allow safe use of the article. |

## Product family datasheet

| Product description              | Safe use instruction                                                                               |
|----------------------------------|----------------------------------------------------------------------------------------------------|
| XBO 4000 W/HTP XL OFR            | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| XBO 4500 W/HS XL OFR             | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| XBO 4500 W/HTP XL OFR            |                                                                                                    |
| XBO 5000 W/H XL OFR              | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| XBO 5000 W/HBM XL OFR            | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| XBO 6000 W/HS XL OFR             | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| XBO 6000 W/HTP XL OFR            |                                                                                                    |
| XBO 7000 W/HS XL OFR             | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| XBO 10000 W/HS OFR <sup>1)</sup> | The identification of the Candidate List substance is sufficient to allow safe use of the article. |

<sup>1)</sup> OFR = Ozone-free version/H = Suitable for horizontal burning position/S = Short

<sup>2)</sup> OFR = Ozone-free version/H = Suitable for horizontal burning position/S = Short/C= Base with cable

<sup>3)</sup> OFR = Ozone-free version/H = Suitable for horizontal burning position/TP = Cable with threaded pins

<sup>4)</sup> H = Suitable for horizontal burning position/S = Short

<sup>5)</sup> OFR = Ozone-free version. SHSC = Extra short version for horizontal burning position, anode connection via cable (super short). Similar dimensions to XBO 1600 A/HSC OFR

<sup>6)</sup> Measured in the vertical burning position

<sup>7)</sup> Distance from end of base to tip of electrode (cold)

<sup>8)</sup> For vertical burning position: anode (+) on top

# Product family datasheet

9) Vertical and horizontal  
10) Anode on top

## Product family datasheet

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### 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.

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### Application advice

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

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### Disclaimer

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