

## XBO 4200 W/HPS LL

XBO HPS 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



Technical data

Electrical data

|                       |            |
|-----------------------|------------|
| Nominal current       | 12200 A    |
| Nominal wattage       | 420000 W   |
| Current control range | 69...131 A |
| Nominal voltage       | 340 V      |

Dimensions & weight



|                                             |                        |
|---------------------------------------------|------------------------|
| Diameter                                    | 600 mm                 |
| Length                                      | 3340 mm                |
| Length with base excl. base pins/connection | 297.00 mm              |
| Light center length (LCL)                   | 128.0 mm <sup>1)</sup> |
| Cable/wire length, input side               | 195 mm                 |
| Electrode gap cold                          | 5.9 mm                 |
| Product weight                              | 75000 g                |
| Cable length                                | 1950                   |

<sup>1)</sup> 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 | 1200 h |

Additional product data

|                                     |              |
|-------------------------------------|--------------|
| Base anode (standard designation)   | SFaX30-14/68 |
| Base cathode (standard designation) | SFc30-20/50  |

Capabilities

|                  |                       |
|------------------|-----------------------|
| Cooling          | Forced                |
| Burning position | s15/p15 <sup>1)</sup> |

<sup>1)</sup> For vertical burning position: anode (+) on top

Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                                                                                                    |
|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Date of Declaration                                                   | 06-03-2024                                                                                         |
| Primary Article Identifier                                            | 4052899202108   4062172030281                                                                      |
| 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                                      | 4c4eb838-8b5a-4bca-9047-b88c703b363c                                                               |

# Product 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.

## Logistical Data

| Product code  | Product description | Packaging unit<br>(Pieces/Unit) | Dimensions (length<br>x width x height) | Volume                | Gross weight |
|---------------|---------------------|---------------------------------|-----------------------------------------|-----------------------|--------------|
| 4062172030281 | XBO 4200 W/HPS LL   | Shipping carton box<br>1        | 500 mm x 204 mm x<br>204 mm             | 20.81 dm <sup>3</sup> | 1555.00 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.