

XBO 3000 W/HTP XL OFR

XBO Traditional & Xtreme Life (XL) Lamps | Traditional high performance xenon lamps for search lights, spotlights, solar simulation, and film projection



Areas of application

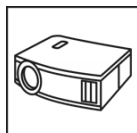
- Film Projection
- Spotlights
- Searchlights
- Solar Simulation

Product family benefits

- Short arc with very high luminance for brighter screen illumination
- Constant color temperature of 6,000 K throughout the entire lamp lifetime
- Easy to maintain
- High arc stability
- Instant light on screen thanks to hot restart function
- Wide dimming range

Product family features

- Color temperature: approx. 6,000 K (Daylight)
- Wattage: 450...10,000 W
- Very good color rendering index: $R_a >$



Technical data

General Product Information

Global order reference	XBO 3000W/HTP X
Product number (Americas)	69152
Product name (Americas)	XBO 3000W/HTP XL 1/CS 1/SKU

Electrical Data

Nominal wattage	3000 W
Nominal voltage	28.0 V
Nominal current	100 A
Current control range	70...110 A

Photometric Data

Luminance	85000 cd/cm ² ¹⁾
Nominal luminous flux	130000 lm
Light center length (LCL)	162.5 mm

¹⁾ Measured in the vertical burning position

Physical Attributes & Dimensions

Electrode gap (cold)	6.0 mm
Base (anode)	SFa30-14
Base (cathode)	SFc27-14
Diameter (in)	2.598 in
Diameter	60.0 mm
Length	405.0 mm
Length with base excl. base pins/connection	357.00 mm
Product weight	560.00 g

Operating Conditions

Burning position	s30/p30 ¹⁾
Cooling	Forced ²⁾
Max. permitted ambient temp. pinch point	230 °C

¹⁾ For vertical burning position: anode (+) on top

²⁾ Vertical and horizontal

Lifetime Data

Nominal lifetime	2200 hr
Warranty hours	2200 hrs

Environmental & Regulatory Information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Primary article identifier	4008321244017
Date of declaration	16-08-2024
Declaration no. in SCIP database	847c6873-a086-4887-b5a4-0fcb40e47dbc
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.

Country specific information

Product code	METEL code	SEG-No.	STK-Number	UK Org
4008321244017	OSRXBO3000HTPXL	-	-	-

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 (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321244017	XBO 3000 W/HTP XL OFR	Shipping carton box 1	589 mm x 234 mm x 229 mm	31.56 dm ³	1994.00 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.