

HBO 50 W/3

HBO \leq 200W Double End | Short arc lamps with an intense point source that provides a broad spectrum through the visible and ultraviolet ranges



Areas of application

- Laboratory & Analysis
- UV Curing
- Fiber Illumination
- Microscopy
- Solar Simulation

Product features and benefits

- High luminance / radiance with intense point source
- Broad spectral distribution in the visible and ultraviolet range
- Enhanced UV characteristics available on some types
- High arc stability



Product datasheet

Technical data

General Product Information

Product number (Americas)	69215
Product name (Americas)	HBO 50 W/3 10/CS 1/SKU
Family brand	HBO
Global order reference	HBO 50 W/3

Electrical Data

Nominal wattage	50 W
Lamp voltage	20...26 V ¹⁾
Lamp current	1.9...2.5 A
Type of current	DC

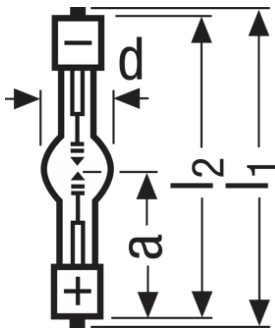
¹⁾ Initial electrical values

Photometric Data

Nominal luminous flux	1300 lm
Luminous intensity	150 cd ¹⁾
Luminous efficacy	26 lm/W
Light center length (LCL)	22.0 mm

¹⁾ Typical initial photometric value

Physical Attributes & Dimensions



Base (anode)	SFa8-2
Base (cathode)	SFa6-2
Diameter (in)	39.331 in
Diameter	9 mm
Length	52.0 mm
Length with base excl. base pins/connection	47.00 mm ¹⁾

Product datasheet

Product weight	4.50 g
-----------------------	--------

¹⁾ Maximum

Operating Conditions

Burning position	s45 ¹⁾
-------------------------	-------------------

¹⁾ Anode underneath

Lifetime Data

Nominal lifetime	200 hr
-------------------------	--------

Environmental & Regulatory Information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Primary article identifier	4050300506692
Declaration no. in SCIP database	b7f62293-c952-4934-b87d-0fed8aac3c8e
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
4050300506692	OSRHBO503	-	4836508	-

Product datasheet

Safety advice

Because of their high luminance, UV radiation and high internal pressure (when hot) HBO lamps may only be operated in enclosed lamp casings specially constructed for the purpose. Mercury is released if the lamp breaks. Special safety precautions must be taken. More information is available on request or can be found in the leaflet included with the lamp or in the operating instructions.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300506692	HBO 50 W/3	Folding carton box 1	182 mm x 87 mm x 58 mm	0.92 dm ³	88.00 g
4050300506708	HBO 50 W/3	Shipping carton box 10	312 mm x 186 mm x 194 mm	11.26 dm ³	1028.00 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.