

HBO 100 W/2

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 family benefits

- High radiance
- High radiant power in the UV and the visible range

Product family features

- Multi-line spectrum



Product datasheet

Technical data

General Product Information

Global order reference	HBO 100W/2
Product number (Americas)	69217
Product name (Americas)	HBO 100 W/2 10/CS 1/SKU
Family brand	HBO
General description	100 watt, mercury short arc, double-ended

Electrical Data

Nominal wattage	100 W
Lamp current	4.3...5.6 A
Type of current	DC

Photometric Data

Nominal luminous flux	2200 lm
Luminous intensity	260 cd ¹⁾
Luminous efficacy	22 lm/W
Light center length (LCL)	43.0 mm

¹⁾ Typical initial photometric value

Physical Attributes & Dimensions

Base (anode)	SFa9-2
Base (cathode)	SFa7.5-2
Diameter (in)	0.394 in
Diameter	10.0 mm
Length	90.0 mm
Length with base excl. base pins/connection	82.00 mm ¹⁾
Product weight	11.00 g

¹⁾ Maximum

Operating Conditions

Burning position	s90 ¹⁾
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¹⁾ Anode underneath

Lifetime Data

Nominal lifetime	200 hr
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Environmental & Regulatory Information

Product datasheet

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Primary article identifier	4050300507095
Date of declaration	05-07-2024
Declaration no. in SCIP database	8a5de7b7-1ac0-42b0-9bc6-43f410d52790
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.

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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
4050300507101	HBO 100 W/2		- x - x -	11.26 dm ³	

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.