

HBO R 103 W/45

HBO R & HXP R $\leq 200W$ with Reflector | Short arc lamps with precision aligned reflectors that provide 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 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

Global order reference	HBO R 103W/45
Product number (Americas)	69311
Product name (Americas)	HBOR103W45 22V 2/CS 1/SKU
Family brand	HBO
General description	100 watt, mercury short arc, with reflector

Electrical Data

Nominal wattage	103 W
Lamp voltage	20...25 V ¹⁾
Lamp current	4.0...5.0 A
Type of current	DC

¹⁾ Initial electrical values

Photometric Data

Focal length	45.0 mm
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Physical Attributes & Dimensions

Lamp base	FaXP2.5-2x65
Diameter (in)	2.677 in
Diameter	68.0 mm
Length	85.0 mm
Product weight	120.00 g

Operating Conditions

Burning position	p20
Cooling	Required

Lifetime Data

Nominal lifetime	300 hr
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Environmental & Regulatory Information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Primary article identifier	4050300405957
Date of declaration	26-06-2024
Declaration no. in SCIP database	cce3d02b-c5cd-4be4-8e72-a79d159780b6
Candidate list substance 1	Lead

Product datasheet

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.

Product datasheet

Safety advice

Due to their high luminance, UV radiation, and high internal pressure in the hot state, HBO and HXP lamps may only be operated in enclosed lamp casings designed for their operation. Since mercury is released if the lamp breaks, special safety precautions must be taken. More information is available upon request, or can be found in the leaflet or operating instructions included with the lamp. You can also review our Product Safety Guide.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300147093	HBO R 103 W/45		- x - x -	2.04 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.