

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

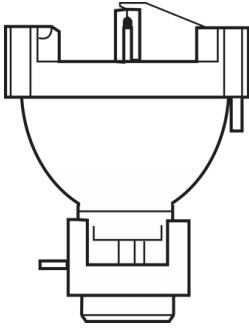
- Laboratory & Analysis
- UV Curing
- Fiber Illumination
- Microscopy
- Solar Simulation

Product 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 family datasheet



HBO R 103W

Product family datasheet

Technical data

Product description	General Product Information			
	Product number (Americas)	Product name (Americas)	Family brand	Global order reference
HBO R 103 W/45	69311	HBOR103W45 22V 2/CS 1/SKU	HBO	HBO R 103 W/45
HXP R 120 W/45 C VIS ¹⁾	69119	HXP R 120 W/45 C VIS 2/CS 1/SKU		HXP R 120 W/45 C VIS
HXP R 120 W/45 C UV ¹⁾	69120	HXP R 120W/45C UV 2/CS 1/SKU	HXP	HXP R 120 W/45 C UV
HXP R 200 W/45 M ¹⁾	69820	HXP R 200W 85V 45M 2/CS 1/SKU		HXP R 200 W/45 M

Product description	Electrical Data			Photometric Data	
	Nominal wattage	Lamp voltage	Lamp current	Focal length	Nominal luminous flux
HBO R 103 W/45	103 W	20...25 V ²⁾	4.0...5.0 A	45.0 mm	
HXP R 120 W/45 C VIS ¹⁾	120 W	60...90 V ³⁾	1.4 A	45.0 mm	2800 lm
HXP R 120 W/45 C UV ¹⁾	120 W	60...90 V ³⁾	1.4 A	45.0 mm	
HXP R 200 W/45 M ¹⁾	200 W	60...96 V ³⁾	3.4 A	45.0 mm	4600 lm

Product description	Color temperature	Physical Attributes & Dimensions		
		Lamp base	Diameter (in)	Diameter
HBO R 103 W/45		FaXP2.5-2x65	2.677 in	68.0 mm
HXP R 120 W/45 C VIS ¹⁾	9500 K	-	2.638 in	67.0 mm
HXP R 120 W/45 C UV ¹⁾		-	2.638 in	67.0 mm
HXP R 200 W/45 M ¹⁾		-		67.0 mm

Product description	Length	Product weight	Connector: presence	Operating Conditions
				Burning position
HBO R 103 W/45	85.0 mm	120.00 g		p20
HXP R 120 W/45 C VIS ¹⁾	77.0 mm	120.00 g	Yes	p20
HXP R 120 W/45 C UV ¹⁾	77.0 mm	120.00 g	Yes	p20
HXP R 200 W/45 M ¹⁾	75.0 mm	120.00 g	No	p20

Product description	Cooling	Lifetime Data	Environmental & Regulatory Information	
			Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	Declaration no. in SCIP database
Product description	Cooling	Nominal lifetime	Primary article identifier	Declaration no. in SCIP database
HBO R 103 W/45	Required	300 hr	4050300405957	cce3d02b-c5cd-4be4-8e72-a79d159780b6
HXP R 120 W/45 C VIS ¹⁾	Forced	2000 hr	4050300882772	No declarable substances contained
HXP R 120 W/45 C UV ¹⁾	Forced	2000 hr	4050300666525	No declarable substances contained

Product family datasheet

Product description	Cooling	Lifetime Data	Environmental & Regulatory Information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
		Nominal lifetime	Primary article identifier	Declaration no. in SCIP database
HXP R 200 W/45 M ¹⁾	Forced	2000 hr	4008321180070	No declarable substances contained

Product description	Candidate list substance 1	CAS No. of substance 1	Safe use instruction
HBO R 103 W/45	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
HXP R 120 W/45 C VIS ¹⁾	No declarable substances contained		
HXP R 120 W/45 C UV ¹⁾	No declarable substances contained		
HXP R 200 W/45 M ¹⁾	No declarable substances contained		

¹⁾ To be operated with OSRAM PT VIP EVG

²⁾ Initial electrical values

³⁾ Initial voltage range

Product family 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.

Application advice

For more detailed application information and graphics please see product datasheet.

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.