

Lamp Housings up to 100 W universal type series for Xenon, Mercury-Vapour, Mixed Gas and Halogen Lamps

Ih-100.1 - Series

When tailored to the respective lamp operating mode, these new compact lamp housings offer significant advantages in terms of the reliable and reproducible adjustment of the mechanical components. In this regard, the lamp base, mirror and collector can all be adjusted from the outside by means of the adjusting elements provided on the back of the housing. The mechanical positioner proves to be extremely stable in thermal operation. Openings on the upper and lower side of the housing ensure the necessary circulation of air without letting out any light whatsoever. Silent and vibration-free convection cooling ensures reliable light outlet from the lamps. The lamp housing incorporates a collector guide (collectors can be used with max. \varnothing 50 mm), which permits customer-specific optical couplings (e.g. to microscope). Special mechanical flange mountings are also possible on request. In conjunction with our corresponding electronic supply units, you receive sophisticated and highly reliably light systems for your applications.



Features

- Lamp housings for Hg / Xe, Hg(Xe) and halogen lamps
- Ignition device built into the lamp housing for xenon and mixed-gas lamps
- External, thermally stable and reproducible mechan. adjustment of lamp, mirror and collector
- Easy changing of lamp
- Lightproof
- Safety circuit function
- Customer-specific adaptations possible on request
- Flexible color scheme

Applications

- Microscopy
- Photometry
- Research

Lighting

HBO/XBO

Light sources

Flashlights

UV-Equipment

Other

Safety		as per EN 61010-1	
Equipment class		I	
Protection class		IP 20 (EN 60529)	
Safety circuit		switches off when opened	
Environmental conditions			
Ambient temperature		0 °C up to + 40 °C	
Storage temperature		- 40 °C up to +70 °C	

Model	
Luminaire housing	sheet-metal formed housing, lightproof, customer-specific color scheme, standard: white
Dimensions (HxWxD)	169 x 126 x 154 mm
Weight	3,4 kg

Lamp housing Type	For the following lamps and equivalent models
Ih-q50.1	50W Hg OSRAM HBO 50W/AC
Ih-q100.1	100W Hg OSRAM HBO 100 W/2 HBO 103 W/2
Ih-x75.1	75W Xe OSRAM XBO 75 W/2 HAMAMATSU L2174-01
Ih-qx100.1	100W Hg Xe HAMAMATSU L8029-01
Ih-h100.1	Halogenlampe 100W / 12V OSRAM HXL 64623 Philips 7023

Technical data Ih-100.1 - Series



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Connection conditions

Supply	electronic ballast lamp specific
Electrical connection	cable 1,5 m, permanently installed with lamp housing cable connector encodes accordingly ballast

Light output / Equipment

Light output	collector (customer-specific) on request
Spacing optical axis lower edge lamp housing	90 mm (75 mm for halogen lamp application on request.)
Mounting	lighting unit via flange or dovetail ring (customer-specific) collector via universal retainer with z-adjustment. lamp via lamp adapter with x, y adjustment.
Reflector	mirror with x, y, z adjustment
Lamp socket	lamp adapter according to lamp type

Order

Scope of delivery	device with mains cable and manual
Order example	Ih - qx 100.1

Ordering example for standard light systems: lamp housing and electronic ballast.

	Ih-q50.1 with ebq 50 ac: light system for HBO 50/AC ignition by ballast.
	h-qx100.1 with ebqx 100 mc : light system for 100W HgXe ignition device in the lamp housing.
	Ih-h100.1 with ebh 102: light system for halogen lamp 100W / 12V supply by ballast

Subject to errors and alterations with regard to technological progress