

# LIGHT SOURCE FOR 50 – 100 W Xe, Hg, Halogen, Deuterium

## XH 100+XHZ 100+LXH 100+Options



- Compact
- For operation of lamps in group 1
- Power regulation:  
current x voltage = constant
- Changing from Xe to Hg:  
-automatically correct polarity
- Lamps precisely adjustable during operation

## Specifications

### Lamphousing LXH 100

Max. Lamp power:	100 W
Max. Lamp length:	90 mm
Lamps and adapters:	Group 0+1
Adjustment:	in 2 planes using spring loaded screws.
Depth of Focus:	150 mm to (co)
Optic axis:	100 mm above table adjustable, 3-point assembly using knurled screws ( ± 8 mm)
Dimensions:	100 W x 150 D x 150 H mm <sup>3</sup>
Weight:	2 kg

### Ignitor XHZ 100

An attachment to the power-stabilised power supply XH 100 to ignite 75 W Xe lamps and 50-100 W Hg lamps in the LXH lamphousings or those of other manufacturers.

Supply:	through power supply XH 100 11 Pin connector
Output:	20 KV
Dimensions:	110 W x 190 D x 60 H mm
Weight:	1 kg

Lamphousing LXH 100 also connection to power supply MID 30 for operation of Deuterium lamp

### Power supply XH 100 (Power regulation)

Supply:	220 V ± 10%, 50-60 Hz, 160 VA
Output power:	100 W
Max. current:	8.5 A
Voltage:	12-30 V
Without Load:	65 V
Regulation accuracy:	0.5% (U x 1)
Stability after warm up:	0.5%
Regulation accuracy for ±10% mains voltage swing:	0.1%
Range of adjustment for XBO 75: for HBO (poles reversed):	60 - 80 W
Digital Readout:	50 - 105 W 3.5 digit, switchable from current to power display

Switches:	illuminated starter indicating ready for ignition of the Xe and Hg lamps.
Dimensions:	200 W x 170 D x 165 H mm
Weight:	3, 5 kg

Power supply XH 100 supplies lamps of Group 1 in lamphousings: LXH 100 DUO 150

## Minimum Working system requires.

XH 100 + XHZ 100 + LXH 100 + Condenser + Lamp + adapter - Options:

### LXH 100

LXH 100-10 Condenser with aspheric lens  
LXH 100-11nde Condenser with 2 lenses (Spectrosil B) f/1, 50 mm  
LXH 100-12 Condenser with 2 achromatic lenses

### XH 100

AS Autostart facility for arc lamps