

## ELECTRONIC BALLAST FOR MERCURY, XENON AND MIXED GAS DISCHARGE LAMPS UP TO 100 W || OPERATION OF VERY LOW ARC LENGTHS POSSIBLE

The supply of high-stability DC low ripple guarantees a constant flicker-free luminous flux for gas discharge lamps.



### HIGHLIGHTS

- Low lamp current ripple
- Interlock function
- Lamp life monitoring
- Operating mode, burning voltage and maximum lamp current can be adjusted at LEJ, glow discharges are avoided by permanent monitoring
- Optional additional voltage 12 V / 0.5 A DC
- Optional remote shutdown

### APPLICATIONS

- **Microscopy**
- **Color analysis**
- **Wafer inspection**
- **Endoscopy**
- **UV curing**

Technical data	ebq 50-04	ebq 100-04	ebx 75-04	ebqx 100-04
Features	50 W Hg	100 W Hg	75 W Xe	100 W HgXe
Lamp type	OSRAM HBO 50 W/3	OSRAM HBO 100 W/2, HBO 103 W/2	HAMAMATSU L2174, L2194, OSRAM XBO 75 W/2	HAMAMATSU L8029, L7046, L2422, USHIO UXM-S100
Lamp connection	socket M1 6+PE, Schaltbau, optional others			
Safety	Safety circuit, excess temperature protection			
Input parameters				
Mains voltage	90 to 264 VAC			
Mains frequency	47 to 63 Hz			
Power input	75 VA	155 VA	130 VA	170 VA
Output parameters				
Operation type	constant power		constant current	
Power	50 W $\pm$ 3%	100 W $\pm$ 3%	max. 86 W	max. 130 W
Output current	< 3,5 A	< 6,5 A	5,4 $\pm$ 0,3 A	5,5 $\pm$ 0,3 A
Output current ripple 50 Hz - 200 kHz	typ. 50 mA <sub>pp</sub>			
Open circuit voltage	60 $\pm$ 5 VDC			
Burning voltage	11 to 36 VDC	11 to 39 VDC	10 to 18 VDC	10 to 18 VDC
Ignition voltage	850 to 980 VDC		external ignition device	
Dimensions				
(WxHxD)	167 x 85 x 222 in mm			
Weight	2,0 kg			
Order				
Scope of delivery	device with mains cabel and manual			
Order example	ebq 50-04	ebq 100-04	ebx 75-04	ebqx 100-04