# Technical Information

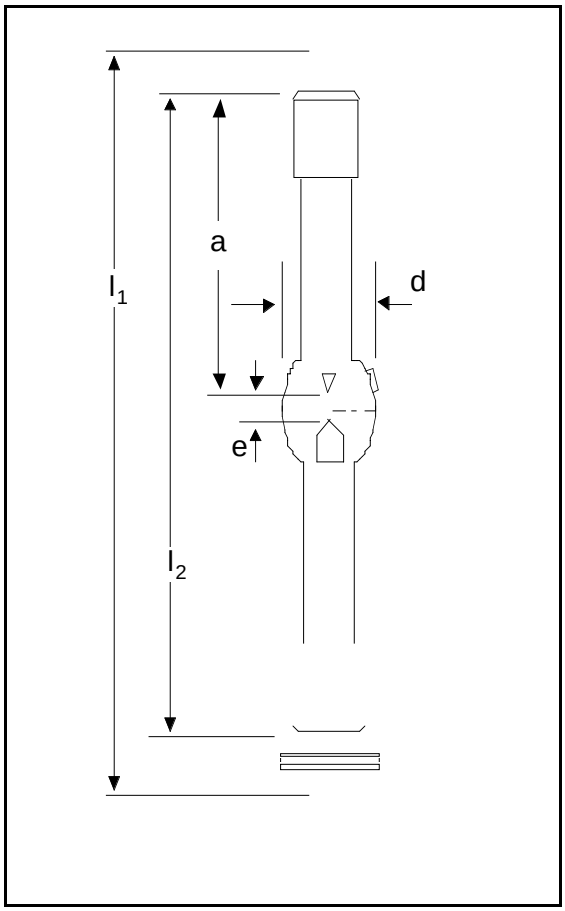
**No. FO 4730**
**Edition: 01/99 - subject to change**
**Substitutes: Edition 04/98**
**Status: valid**

## Mercury Short Arc Lamp

# HBO® 250 W/BY

## n Product description

The OSRAM HBO® 250 W/BY belongs to the family of mercury short arc lamps, of which the discharge arc burns in an atmosphere of high pressure mercury vapour. The HBO® 250 W/BY is a direct current, UV-emitting lamp type, which is used for OEB/WEE applications from different equipment manufacturers.




## n Technical Data

| | | |
|---|---|---|
| Order reference | | HBO® 250 W/BY |
| Rated lamp wattage | W | 250 |
| Lamp voltage | V | 40 |
| Operating current (=) | A | 6,5 |
| Max. current ripple | % | 5 |
| Luminous flux | lm | 12.500 |
| Lamp length overall $l_1$ | mm | max. 152 |
| Lamp length $l_2$ | mm | max. 125 |
| Bulb diameter | mm | 20 |
| LCL a | mm | 62 |
| Electrode gap e | mm | 2 |
| Average service life | h | 1.000 |
| Bases | | • Cathode: SFc 13-5/20<br>• Anode: SFc 13-5/20 |

## n Lamp operation

| | | |
|---|---|---|
| Maximum base temperature allowed | °C | 230 |
| Cooling | | Convection |
| Burning position | | vertical ± 15°, s 15; anode underneath |

## n Safety Instruction

Because their high luminous efficacy, the UV radiation which they emit and the high pressure within the lamp, HBO® lamps must be operated within enclosed, purpose-built housings. When a lamp breaks, mercury is released. Particular safety regulations must be paid attention (for details please request technical information sheet no. FO 4574).