

## HBO Microlithography Lamps for Canon FPD Systems

### Areas of application

- Microlithography

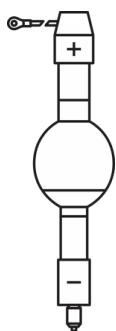


### Product features and benefits

- High spectral intensity with peak irradiance at 365nm wavelength, making it ideal for microlithography
- Designed for long lasting performance
- Qualified with Canon
- Qualified with Canon

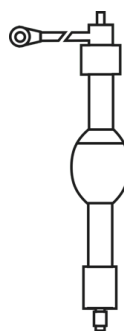


## Product family datasheet



---

HBO 5000W/CH



---

HBO MERCURY VAPOUR SHORT ARC LAMPS

## Product family datasheet

### Technical data

| Product description | General Product Information |                           |                             |              |
|---------------------|-----------------------------|---------------------------|-----------------------------|--------------|
|                     | Global order reference      | Product number (Americas) | Product name (Americas)     | Family brand |
| HBO 5000 W/CH       | HBO 5000 W/CH               |                           |                             |              |
| HBO 8000 W/CHL      | HBO 8000 W/CHL              | 55219                     | HBO 8000W/CHL<br>1/CS 1/SKU | HBO          |
| HBO 8000 W/CHL2     | HBO 8000 W/CHL2             |                           |                             |              |

| Product description | Electrical Data |                 | Photometric Data          | Physical Attributes & Dimensions |
|---------------------|-----------------|-----------------|---------------------------|----------------------------------|
|                     | Nominal wattage | Nominal voltage | Light center length (LCL) | Length                           |
| HBO 5000 W/CH       | 5000 W          | 64 V            | 156.0 mm <sup>1)</sup>    | 362.0 mm                         |
| HBO 8000 W/CHL      | 8000 W          | 81 V            | 179.0 mm <sup>1)</sup>    | 434.0 mm                         |
| HBO 8000 W/CHL2     | 8000 W          | 79 V            |                           | 434.0 mm                         |

| Product description | Operating Conditions |                      | Environmental & Regulatory Information<br>Information according Art. 33 of EU<br>Regulation (EC) 1907/2006 (REACH) |                                      |
|---------------------|----------------------|----------------------|--|--------------------------------------|
|                     | Burning position     | Cooling              | Primary article identifier   | Declaration no. in SCIP database     |
| HBO 5000 W/CH       | Other <sup>2)</sup>  | Forced <sup>3)</sup> | 4008321381934  | 5767a2be-1efc-43e6-b1b6-bce7aa003303 |
| HBO 8000 W/CHL      | Other <sup>2)</sup>  | Forced <sup>3)</sup> | 4008321545756  | e99f1f0e-22f8-43bf-ae0a-417bc48f22ff |
| HBO 8000 W/CHL2     | Other                |                      | 4052899168848  | 744ef11b-de39-4209-a666-75f0acf4935a |

| Product description | Candidate list substance 1 | CAS No. of substance 1 | Safe use instruction   |
|---------------------|----------------------------|------------------------|--|
| HBO 5000 W/CH       | Lead                       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| HBO 8000 W/CHL      | Lead                       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. |

Product family datasheet

| Product description | Candidate list substance 1 | CAS No. of substance 1 | Safe use instruction   |
|---------------------|----------------------------|------------------------|--|
| HBO 8000 W/CHL2     | Lead                       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. |

1) Distance from end of base to tip of anode or cathode (cold)  
2) Anode on top  
3) Maximum permissible base temperature: 200 °C

## Product family datasheet

---

### Safety advice

Because of their high luminance, UV radiation and high internal pressure (when hot) HBO lamps may only be operated in enclosed lamp casings specially constructed for the purpose. Mercury is released if the lamp breaks. Special safety precautions must be taken. More information is available on request or can be found in the leaflet included with the lamp or in the operating instructions.

---

### 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.