

# HBO-IC Microlithography lamps for Canon LCD systems

Microlithography lamps for Canon LCD systems





327101\_HBO 5000WCH

HBO MERCURY VAPOUR SHORT ARC LAMPS







# Product family datasheet

## Technical data

|                     | Electrical data    |                 |                 | Dimensions<br>& weight |                    |          |
|---------------------|--------------------|-----------------|-----------------|------------------------|--------------------|----------|
| Product description | Nominal<br>voltage | Nominal current | Type of current | Rated<br>wattage       | Nominal<br>wattage | Diameter |
| HBO 5000 W/CH       | 640 V              | 78 A            | DC              | 500000 W               | 500000 W           | 800 mm   |
| HBO 8000 W/CHL      | 810 V              | 99 A            | DC              | 800000 W               | 800000 W           | 1050 mm  |
| HBO 12000 W/CHL     | 112 V              | 107 A           | DC              | 1200000 W              | 1200000<br>W       | 1240 mm  |

|                     |   | Additional product data           |   | Capabilities        |
|---------------------|---|-----------------------------------|---|---------------------|
| Product description | Length with base excl. base pins/connection | Base anode (standard designation) | Base cathode<br>(standard<br>designation) | Burning position    |
| HBO 5000 W/CH       | 338.00 mm                                   | SFc33.5-50 <sup>1)</sup>          | SFc33.5-12/50                             | Other <sup>2)</sup> |
| HBO 8000 W/CHL      | 385.50 mm                                   | SFaX40-13/50 <sup>1)</sup>        | SFa40-12/45                               | Other <sup>2)</sup> |
| HBO 12000 W/CHL     | 450.00 mm                                   | SFaX46-14/60 <sup>1)</sup>        | SFa37-16/60                               | Other <sup>2)</sup> |

| Environmental information   |
|---|
| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh) |

| Product description | Date of Declaration | Primary Article<br>Identifier    | Candidate List<br>Substance 1 | CAS No. of substance<br>1 |
|---------------------|---------------------|----------------------------------|-------------------------------|---------------------------|
| HBO 5000 W/CH       | 05-03-2024          | 4008321381385  <br>4008321381934 | Lead                          | 7439-92-1                 |
| HBO 8000 W/CHL      | 05-03-2024          | 4008321545756                    | Lead                          | 7439-92-1                 |
| HBO 12000 W/CHL     | 05-03-2024          | 4008321651129  <br>4052899422322 | Lead                          | 7439-92-1                 |

| Product description | Safe Use Instruction  | Declaration No. in<br>SCIP database  |
|---------------------|---|--|
| HBO 5000 W/CH       | The identification of<br>the Candidate List<br>substance is<br>sufficient to allow<br>safe use of the<br>article. | 6a892f46-a7cc-45de-<br>afbd-e023484ba64d  <br>5767a2be-1efc-43e6-<br>b1b6-bce7aa003303     |
| HBO 8000 W/CHL      | The identification of<br>the Candidate List<br>substance is<br>sufficient to allow<br>safe use of the<br>article. | e99f1f0e-22f8-43bf-<br>ae0a-417bc48f22ff   |
| HBO 12000 W/CHL     | The identification of<br>the Candidate List<br>substance is<br>sufficient to allow<br>safe use of the<br>article. | 405e8bdf-87f2-46eb-<br>9530-aa1f4ca56abe  <br>6965d23e-72f4-<br>4e35-a198-<br>04b8540e751e |

<sup>1)</sup> With cable connection (M 10)

# Product family datasheet

2) Anode on top

## 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.