

## HBO 100 W/2



### Product features and benefits

- High luminance / radiance with intense point source
- Broad spectral distribution in the visible and ultraviolet range
- Enhanced UV characteristics available on some types
- High arc stability

### Areas of application

- Microscopy
- Laboratory & Analysis
- UV Curing
- Fiber Illumination
- Microscopy
- Solar Simulation

## Technical data

### General product information

|                       |  |
|-----------------------|--|
| Product Number        | 69217  |
| Product Name          | HBO100W2 20V 10/CS 1/SKU                       |
| Ordering Abbreviation | HBO 100 W/2                                    |
| Brand Name            | OSRAM  |
| Family Brand Name     | HBO  |
| General Description   | 100 watt, mercury short arc, double-ended      |
| Application           | UV Light Curing, Photo-Polymerization          |
| Product Remark        | - s (Operating Position) = Vertical, base down |

### Electrical data

|                 |       |
|-----------------|-------|
| Nominal Wattage | 100 W |
| Current (A)     | 5.0 A |
| Type of Current | DC    |

### Light technical data

|   |                           |
|---|---------------------------|
| Luminous Flux                           | 2200 lm                   |
| Average Luminance (cd/cm <sup>2</sup> ) | 170000 cd/cm <sup>2</sup> |
| Luminous Intensity (cd)                 | 260 cd                    |
| Luminous Area (mm)                      | 0.25 x 0.25 mm            |
| Luminous Efficacy (lm/W)                | 22 lm/W                   |
| Light Center Length - LCL (mm)          | 43 mm                     |
| Average Rated Life                      | 200 h                     |

### Physical attributes

|                             |          |
|-----------------------------|----------|
| Base Anode                  | SFa7.5-2 |
| Base Cathode                | SFa9-2   |
| Bulb Shape                  | T10      |
| Maximum Overall Length (mm) | 90 mm    |
| Length l1 (mm)              | 90 mm    |
| Length l1 max. (mm)         | 90 mm    |
| Length l2 (mm)              | 82 mm    |
| Length l2 max. (mm)         | 82 mm    |
| Diameter d (in)             | 0.394 in |
| Diameter d (mm)             | 10.00 mm |
| Distance a (mm)             | 43 mm    |
| Reflector Coating           | 10.00    |

## Product datasheet

### Additional product data

|                                      |            |
|--------------------------------------|------------|
| <b>Operating Position</b>            | s 90       |
| <b>Maximum Base Temperature (°C)</b> | 230 C      |
| <b>Cooling</b>                       | Convection |
| <b>Class</b>                         | C (gas)    |

### Safety advice

Due to their high luminance, UV radiation, and high internal pressure in the hot state, HBO and HXP lamps may only be operated in enclosed lamp casings designed for their operation. Since mercury is released if the lamp breaks, special safety precautions must be taken. More information is available upon request, or can be found in the leaflet or operating instructions included with the lamp. You can also review our Product Safety Guide.

### Packaging Information

| Product number | EAN/UPC       | Packaging           | Quantity | Outside dimensions l x w x h | Gross weight |
|----------------|---------------|---------------------|----------|------------------------------|--------------|
| 69217          | 4050300507095 | Folding box (SKU)   | 1        | 6.5 in x 1.9 in x 3.7 in     | 0.2 lb       |
| 69217          | 4050300507101 | Shipping box (Case) | 10       | 9.3 in x 8.3 in x 8.9 in     | 2.1 lb       |

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

### Disclaimer

OSRAM does not accept liability for errors, changes and omissions.