

## HBO 1500 W/PIL



### Product features and benefits

- High spectral intensity with peak irradiance at 365nm wavelength, making it ideal for microlithography
- Ceramic housings designed specifically for high temperature halogen and metal halide applications for optimal exposure and throughput
- Designed for long lasting performance
- Qualified with ASML

### Areas of application

- Semiconductor

## Product datasheet

### Technical data

#### General product information

Product Number	69181
Product Name	HBO1500WPIL 23V 6/CS 1/SKU
Ordering Abbreviation	HBO 1500 W/PIL
Brand Name	OSRAM
General Description	1,500 watt, mercury short arc, double-ended lamp for semiconductor applications in ASML PAS2500/22, PAS5500/100C,/100D stepper(s)
Application	Semiconductor
Product Remark	<ul style="list-style-type: none"><li>- Lamp also available with 850 hr HBO 1500 W/PI (Product Number 69319)</li><li>- Anode Base with cooling fins and cable connection.</li></ul>

#### Electrical data

Nominal Wattage	1500 W
Nominal Voltage	23 V
Current (A)	65.2 A
Type of Current	DC

#### Light technical data

Radiant intensity 365 ± 2.5nm (mW/sr)	4850
Light Center Length - LCL (mm)	118 mm
Average Rated Life	1500 h

#### Physical attributes

Base Anode	SFc30-6/25
Base Cathode	SFc27-10/35
Bulb Shape	T
Maximum Overall Length (mm)	273 mm
Length l1 (mm)	273 mm
Length l1 max. (mm)	273 mm
Length l2 (mm)	240 mm
Length l2 max. (mm)	242 mm
Diameter d (in)	1.811 in
Diameter d (mm)	46.00 mm
Distance a (mm)	118 mm
Electrode Gap - cold (mm)	4 mm

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Reflector Coating	46.00
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### Additional product data

Operating Position	Vertical, anode down
Maximum Base Temperature (°C)	200 C
Cooling	Forced Base
Class	C (gas)
Method of Operation	DOUBLE ENDED

### Packaging Information

Product number	EAN/UPC	Packaging	Quantity	Outside dimensions l x w x h	Gross weight
69181	4008321630872	Folding box (SKU)	1		
69181	4008321630889	Shipping box (Case)	6	20.1 in x 16.5 in x 16.5 in	19 lb
69181	4050300461465	Tube (SKU)	1	15.2 in x 6.3 in x 7.7 in	2.1 lb
69181	4050300461472	Shipping box (Case)	6	20.1 in x 16.5 in x 16.5 in	13.8 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.