

HBO 1003 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

Technical data

General product information

Product Number	69180
Product Name	HBO1003WPIL 26V 8/CS 1/SKU
Ordering Abbreviation	HBO 1003 W/PIL
Brand Name	OSRAM
Family Brand Name	HBO
General Description	750 watt, mercury short arc, double-ended lamp for semiconductor applications in ASML PAS5500/60B,/80B, 100, /100B stepper(s)
Application	Semiconductor
Product Remark	<ul style="list-style-type: none">- Lamps suitable for pulse operation between 700W and 1000W. Maximum permissible average power is 750W (also for constant power operation).- Lamp has cooling fins on anode base.

Electrical data

Nominal Wattage	1003 W
Nominal Voltage	27.1 V
Current (A)	25.8 A
Type of Current	DC

Light technical data

Radiant intensity 365 ± 2.5nm (mW/sr)	2200
Light Center Length - LCL (mm)	85 mm
Average Rated Life	1500 h

Physical attributes

Base Anode	SFcX14-6/25
Base Cathode	SFc15-6/25
Bulb Shape	T
Maximum Overall Length (mm)	195 mm
Length l1 (mm)	195 mm
Length l1 max. (mm)	195 mm
Length l2 (mm)	167.5 mm
Length l2 max. (mm)	169.5 mm
Diameter d (in)	1.142 in
Diameter d (mm)	29.00 mm

Product datasheet

Distance a (mm)	85 mm
Electrode Gap - cold (mm)	3 mm
Reflector Coating	29.00

Additional product data

Operating Position	Vertical, anode down
Maximum Base Temperature (°C)	200 C
Cooling	Forced Base
Class	C (gas)

Packaging Information

Product number	EAN/UPC	Packaging	Quantity	Outside dimensions l x w x h	Gross weight
69180	4050300461380	Tube (SKU)	1	10.6 in x 2.8 in x 2.8 in	0.9 lb
69180	4050300461397	Shipping box (Case)	8	13.2 in x 12.7 in x 8.2 in	5.8 lb
69180	4050300967097	Tube (SKU)	1	12.9 in x 4.5 in x 4.5 in	1 lb
69180	4050300640327	Shipping box (Case)	1	13 in x 4.3 in x 4.5 in	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

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