

HMI

Metal halide lamps, single-ended



Areas of application

- Film and television recording in daylight conditions, in the studio or outdoors
- Film and TV production (high-wattage lamps)
- Stage (lighting for dramatic effect)
- Entertainment

Product benefits

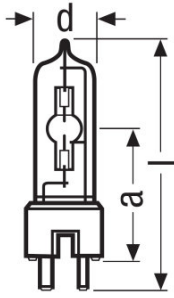
- Very high luminous efficacy of up to 100 lm/W

Product features

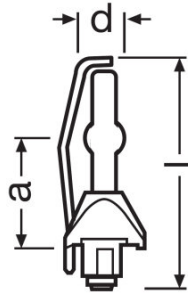
- Color temperature: approx. 6,000 K (Daylight)
- Dimmable
- Hot restart capability
- High color rendering index: $R_a >$



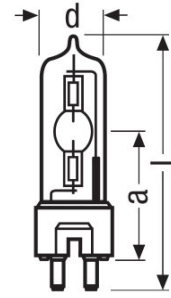
Product family datasheet



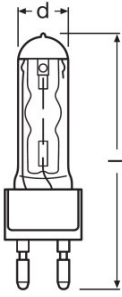
Product line drawing



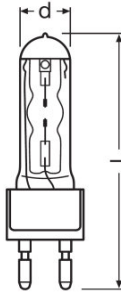
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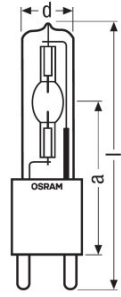
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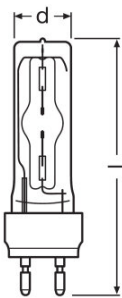
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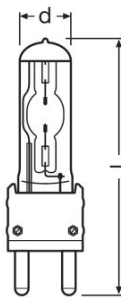
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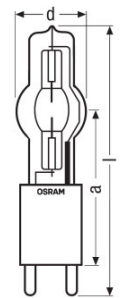
Product line drawing



Product line drawing

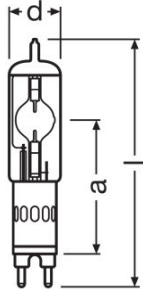


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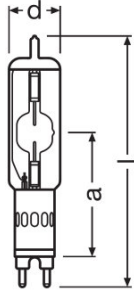


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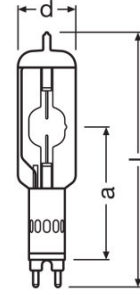
Product family datasheet



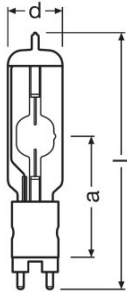
Product line drawing



Product line drawing



Product line drawing



Product line drawing

Product family datasheet

Technical data

Product description	Electrical data		Photometrical data			Dimensions & weight			Lifespan	Capabilities
	Nominal voltage	Nominal current	Nominal luminous flux	Color temperature	Color rendering index Ra	Diameter	Length	Light center length (LCL)	Lifespan	Burning position
HMI 200 W/SE	70.0 V	3 A	16000 lm	6000 K	90	20.0 mm	80.0 mm	39.0 mm	200 h	Any
HMI 250 W/SE	50.0 V	5.4 A	16200 lm	6000 K	90	12.0 mm	84.0 mm	39.0 mm	250 h	Any
HMI 400 W/SE	70.0 V	6.9 A	33000 lm	6000 K	90	23.0 mm	110.0 mm	60.0 mm	650 h	Any
HMI 575 W/SEL UVS	95.0 V	7 A	49000 lm	6000 K	90	30.0 mm	145.0 mm	70.0 mm	1000 h	Any
HMI 800 W/SEL XS	95.0 V	8.4 A	65000 lm	6000 K	90	30.0 mm	145.0 mm	70.0 mm	1000 h	Any
HMI 1200 W/SEL XS	100 V	13.8 A	110000 lm	6000 K	90	42.0 mm	200.0 mm	107.0 mm	1000 h	Any
HMI 1600 W/SE UVS	150 V	10.7 A	150000 lm	6000 K	> 90	38.0 mm	175.0 mm	85.0 mm	750 h	Any
HMI 1800 W/SE UVS	140 V	14.6 A	165000 lm	6000 K	> 90	42.0 mm	210.0 mm	107.0 mm	750 h	Any
HMI 2500 W/SE XS	115 V	25.6 A	240000 lm	6000 K	90	60.0 mm	225.0 mm	127.0 mm	500 h	Any
HMI 4000 W/SE XS	200 V	24.0 A	380000 lm	6000 K	90	75.0 mm	250.0 mm	142.0 mm	500 h	Any
HMI 6000 W SE/XS	123 V	55.0 A	600000 lm	6000 K	90	75.0 mm	360.0 mm	210.0 mm	500 h	s135
HMI 9000 W/SE	160 V	56.0 A	875000 lm	6000 K	90	80.0 mm	380.0 mm	210.0 mm	400 h	s135
HMI 12000 W/SE XS	160 V	84.0 A	1500000 lm	6000 K	90	100.0 mm	455.0 mm	255.0 mm	500 h	s135
HMI 18000 W/SE XS GX51	225 V	88.0 A	6000000 lm	6000 K	90	100.0 mm	495.0 mm	260.0 mm	350 h	s135

Product family datasheet

Product description	Certificates & standards
HMI 200 W/SE	B
HMI 250 W/SE	B
HMI 400 W/SE	B
HMI 575 W/SEL UVS	
HMI 800 W/SEL XS	C
HMI 1200 W/SEL XS	B
HMI 1600 W/SE UVS	
HMI 1800 W/SE UVS	
HMI 2500 W/SE XS	B
HMI 4000 W/SE XS	B
HMI 6000 W SE/XS	B
HMI 9000 W/SE	B
HMI 12000 W/SE XS	B
HMI 18000 W/SE XS GX51	B

Product family datasheet

Safety advice

Because of their high luminance, UV radiation (does not apply to HMI UVS) and high internal pressure during operation, HMI lamps may only be operated in enclosed lamp casings specially constructed for the purpose. Appropriate filters must ensure that UV radiation of standard HMI lamps is reduced to an acceptable level. Mercury is released if the lamp breaks. Special safety precautions must be taken. Information on safety and handling 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.

References / Links

Further information can be found in the following brochures, obtainable on request from OSRAM:

“Technology and applications/Metal halide lamps”

“Guidelines for control gear and igniters for metal halide lamps”

“Availability of control gear and igniters”

“Rome. 8 pm. Overcast. No problem. HMI lamps”

“High Noon” HMI 12.000 and 18.000 W/SE/GX51

Disclaimer

— Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.