HMI Double End Lamps

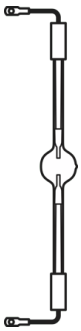
Areas of application

- Studio, TV, & Film
- Professional & High Speed Photography
- Solar Simulation

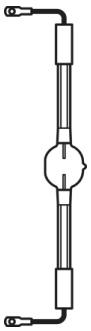
Product features and benefits

- High intensity light providing true color performance with CRI up to >90
- Color temperature approximately 6000 K - simulates daylight
- Robust design provides durability during transport
- High energy efficiency providing up to 100 lumens/watt
- Capable of hot restrike ignition
- Broad spectrum suitable for solar simulation applications
- High energy efficiency providing up to 100 lm/W
- Compression sealed base provides ehanced durability

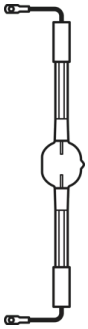
© 2025, OSRAM GmbH. All rights reserved.



HMI 6000W/ DXS



HMI 12000W/ DXS



HMI 18000W/ DXS

© 2025, OSRAM GmbH. All rights reserved.

Product family datasheet

Technical data

	General Product Information			
Product description	**Product number (Americas)**	**Product name (Americas)**	**Family brand**	**Lamp type**
HMI 575 W/DXS	54313	HMI 575W/DXS 10/CS 1/SKU	HMI	DOUBLE ENDED
HMI 1200 W/DXS	55139	HMI 1200W/DXS 10/CS 1/SKU	HMI	
HMI 2500 W/S XS	54068	HMI 2500W/S/XS 1/CS 1/SKU	HMI	
HMI 2500 W/DXS	54265	HMI 2500W/DXS 1/CS 1/SKU	HMI	
HMI 4000 W/DXS	54314	HMI 4000W/DXS 1/CS 1/SKU	HMI	
HMI 6000 W/DXS	54315	HMI 6000W/DXS 1/CS 1/SKU	HMI	
HMI 12000 W/DXS	54316	HMI 12000W/DXS 1/CS 1/SKU	HMI	ROUNDFOIL
HMI 4000 W/DXS SOLAR	56783	HMI4000WDXSSOLAR 1/CS 1/SKU		
HMI 18000 W/DXS	54213	HMI 18000W/DXS 1/CS 1/SKU	HMI	

		Electrical Data		
Product description	**Global order reference**	**Nominal wattage**	**Nominal voltage**	**Nominal current**
HMI 575 W/DXS	HMI 575 W/DXS	575 W	95 V	7 A
HMI 1200 W/DXS	HMI 1200 W/DXS	1200 W	100 V	13.8 A
HMI 2500 W/S XS	HMI 2500 W/S XS	2500 W	115 V	25.6 A
HMI 2500 W/DXS	HMI 2500 W/DXS	2500 W	115 V	25.6 A
HMI 4000 W/DXS	HMI 4000 W/DXS	4000 W	200 V	24 A
HMI 6000 W/DXS	HMI 6000 W/DXS	6000 W	122 V	55 A
HMI 12000 W/DXS	HMI 12000 W/DXS	12000 W	240 V	84 A
HMI 4000 W/DXS SOLAR	HMI 4000 W/DXS SOLAR	4000 W	200 V	24 A
HMI 18000 W/DXS	HMI 18000 W/DXS	18000 W	225 V	79 A

			Photometric Data	
Product description	**Type of current**	**Ignition voltage (cold/hot)**	**Nominal luminous flux**	**Color temperature**
HMI 575 W/DXS	AC		49000 lm	6000 K
HMI 1200 W/DXS	AC		110000 lm	6000 K
HMI 2500 W/S XS	AC		240000 lm	6000 K
HMI 2500 W/DXS	AC	20/45 kVp [1)]	240000 lm	6000 K
HMI 4000 W/DXS	AC	20/65 kVp	380000 lm	6000 K
HMI 6000 W/DXS	AC		570000 lm	6000 K
HMI 12000 W/DXS	AC		1150000 lm	6000 K
HMI 4000 W/DXS SOLAR			395000 lm	7000 K

© 2025, OSRAM GmbH. All rights reserved.

Product family datasheet

			Photometric Data	
Product description	**Type of current**	**Ignition voltage (cold/hot)**	**Nominal luminous flux**	**Color temperature**
HMI 18000 W/DXS	AC		1700000 lm	6000 K

			Physical Attributes & Dimensions	
Product description	**Color rendering index Ra**	**Luminous efficacy**	**Diameter**	**Diameter**
HMI 575 W/DXS	90	85 lm/W	21.0 mm	21.0 mm
HMI 1200 W/DXS	> 90		27.0 mm	27.0 mm
HMI 2500 W/S XS	90		31.5 mm	31.5 mm
HMI 2500 W/DXS	90	96 lm/W	31.5 mm	31.5 mm
HMI 4000 W/DXS	> 90	95 lm/W	36.0 mm	36.0 mm
HMI 6000 W/DXS	90	95 lm/W	54.0 mm	54.0 mm
HMI 12000 W/DXS	90	96 lm/W	64.0 mm	64.0 mm
HMI 4000 W/DXS SOLAR	›90		36.0 mm	36.0 mm
HMI 18000 W/DXS	> 90	94 lm/W	70.0 mm	70.0 mm

Product description	**Diameter (in)**	**Length**	**Length with base excl. base pins/connection**	**Product weight**
HMI 575 W/DXS	0.827 in	135.0 mm	115.00 mm	33.00 g
HMI 1200 W/DXS	1.063 in	220.0 mm	180.00 mm	104.00 g
HMI 2500 W/S XS	1.260 in	210.0 mm	150.00 mm	150.00 g
HMI 2500 W/DXS	1.260 in	355.0 mm	290.00 mm	196.00 g
HMI 4000 W/DXS	1.417 in	405.0 mm	340.00 mm	228.00 g
HMI 6000 W/DXS	2.126 in	450.0 mm		511.00 g
HMI 12000 W/DXS	2.520 in	470.0 mm		930.00 g
HMI 4000 W/DXS SOLAR		405.0 mm	340.00 mm	185.00 g
HMI 18000 W/DXS	2.756 in	500.0 mm		1000.00 g

				Operating Conditions
Product description	**Lamp base**	**Electrode gap (cold)**	**Connector: presence**	**Burning position**
HMI 575 W/DXS	SFc10-4			Any
HMI 1200 W/DXS	SFc15.5			Any
HMI 2500 W/S XS	SFa21-12			Other
HMI 2500 W/DXS	SFa21	14.0 mm		Other
HMI 4000 W/DXS	SFa21	34.0 mm		p15
HMI 6000 W/DXS	S25.5		Yes	p15
HMI 12000 W/DXS	S30		Yes	p15
HMI 4000 W/DXS SOLAR	SFa21-12			p15
HMI 18000 W/DXS	S30	44.0 mm	Yes	p15

© 2025, OSRAM GmbH. All rights reserved.

			Lifetime Data	Environmental & Regulatory Information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)
Product description	**Cooling**	**Maximum permitted ambient temperature at base**	**Nominal lifetime**	**Primary article identifier**
HMI 575 W/DXS			1000 hr	4008321285102
HMI 1200 W/DXS			1000 hr	4008321931153
HMI 2500 W/S XS			500 hr	4050300025780
HMI 2500 W/DXS	Convection	450 °C	500 hr	4008321182197
HMI 4000 W/DXS	Convection	450 °C	500 hr	4008321210203
HMI 6000 W/DXS			500 hr	4008321210210
HMI 12000 W/DXS			500 hr	4008321210227
HMI 4000 W/DXS SOLAR			500 hr	4052899152601
HMI 18000 W/DXS	Convection		500 hr	4008321370280

Product description	**Declaration no. in SCIP database**	**Candidate list substance 1**	**CAS No. of substance 1**	**Safe use instruction**
HMI 575 W/DXS	No declarable substances contained	No declarable substances contained		
HMI 1200 W/DXS	No declarable substances contained	No declarable substances contained		
HMI 2500 W/S XS	No declarable substances contained	No declarable substances contained		
HMI 2500 W/DXS	No declarable substances contained	No declarable substances contained		
HMI 4000 W/DXS	No declarable substances contained	No declarable substances contained		
HMI 6000 W/DXS	473650a6-c144-4760-a4f0-5f7779e0d7fe	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
HMI 12000 W/DXS	9bbbe108-6929-4ec2-90c3-f2313bf610cc	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
HMI 4000 W/DXS SOLAR	No declarable substances contained	No declarable substances contained		
HMI 18000 W/DXS	f14371f4-413d-4982-a113-e8e17de542e0	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.

© 2025, OSRAM GmbH. All rights reserved.

[1] Max. 55 kV

© 2025, OSRAM GmbH. All rights reserved.

Safety advice

Because of their high luminance, UV radiation 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 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.

Disclaimer

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

© 2025, OSRAM GmbH. All rights reserved.