

## 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 enhanced durability



## Product family datasheet



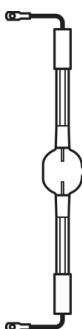
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HMI 6000W/ DXS



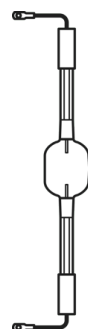
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HMI 12000W/ DXS



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HMI 18000W/ DXS



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HMI 24000W/ DXS

## 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	HMI4000WDXSOLA R 1/CS 1/SKU		
HMI 18000 W/DXS	54213	HMI 18000W/DXS 1/CS 1/SKU	HMI	
HMI 24000 W/DXS	54325	HMI 24000W/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
HMI 24000 W/DXS	HMI 24000 W/DXS	24000 W	280 V	90 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 <sup>1)</sup>	240000 lm	6000 K
HMI 4000 W/DXS	AC	20/65 kVp	380000 lm	6000 K

Product family datasheet

			Photometric Data	
Product description	Type of current	Ignition voltage (cold/hot)	Nominal luminous flux	Color temperature
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
HMI 18000 W/DXS	AC		1700000 lm	6000 K
HMI 24000 W/DXS	AC		2300000 lm	6000 K

			Physical Attributes & Dimensions	
Product description	Color rendering index Ra	Luminous efficacy	Diameter	Diameter (in)
HMI 575 W/DXS	90	85 lm/W	21.0 mm	0.827 in
HMI 1200 W/DXS	> 90		27.0 mm	1.063 in
HMI 2500 W/S XS	90		31.5 mm	1.260 in
HMI 2500 W/DXS	90	96 lm/W	31.5 mm	1.260 in
HMI 4000 W/DXS	> 90	95 lm/W	36.0 mm	1.417 in
HMI 6000 W/DXS	90	95 lm/W	54.0 mm	2.126 in
HMI 12000 W/DXS	90	96 lm/W	64.0 mm	2.520 in
HMI 4000 W/DXS SOLAR	>90		36.0 mm	
HMI 18000 W/DXS	> 90	94 lm/W	70.0 mm	2.756 in
HMI 24000 W/DXS	> 90	95 lm/W	83.0 mm	3.268 in

Product description	Diameter	Length	Length with base excl. base pins/connection	Product weight
HMI 575 W/DXS	21.0 mm	135.0 mm	115.00 mm	33.00 g
HMI 1200 W/DXS	27.0 mm	220.0 mm	180.00 mm	104.00 g
HMI 2500 W/S XS	31.5 mm	210.0 mm	150.00 mm	150.00 g
HMI 2500 W/DXS	31.5 mm	355.0 mm	290.00 mm	196.00 g
HMI 4000 W/DXS	36.0 mm	405.0 mm	340.00 mm	228.00 g
HMI 6000 W/DXS	54.0 mm	450.0 mm		511.00 g
HMI 12000 W/DXS	64.0 mm	470.0 mm		930.00 g
HMI 4000 W/DXS SOLAR	36.0 mm	405.0 mm	340.00 mm	185.00 g
HMI 18000 W/DXS	70.0 mm	500.0 mm		1000.00 g
HMI 24000 W/DXS	83.0 mm	500.0 mm		1100.00 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

## Product family datasheet

				Operating Conditions
Product description	Lamp base	Electrode gap (cold)	Connector: presence	Burning position
HMI 4000 W/DXS SOLAR	SFa21-12			p15
HMI 18000 W/DXS	S30	44.0 mm	Yes	p15
HMI 24000 W/DXS	S30		Yes	p15

			Lifetime Data	Environmental & Regulatory 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
HMI 24000 W/DXS	Convection		375 hr	4008321355805

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.

Product family datasheet

Product description	Declaration no. in SCIP database	Candidate list substance 1	CAS No. of substance 1	Safe use instruction
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.
HMI 24000 W/DXS	e6c82c15-550e-4821-97a3-8abf917baea6	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.

1) Max. 55 kV

## Product family datasheet

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### 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.

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### Application advice

For more detailed application information and graphics please see product datasheet.

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### Disclaimer

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