Product family datasheet

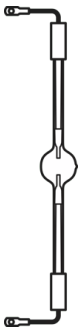
HMI Double End Lamps

Areas of application

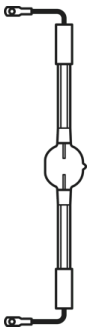
- Studio, TV, & Film
- Professional & High Speed Photography
- Solar Simulation

Product features and benefits

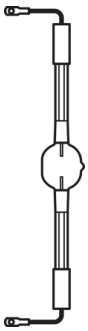
- High intensity light providing true color performance with CRI up to 90
- Color temperature approximately 6000 K - simulates daylight
- Robust design provides durability during transport
- High energy efficiency providing up to 100 lumens/watt
- Capable of hot restrike ignition
- Compression sealed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



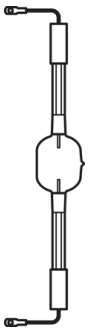
HMI 6000W/ DXS



HMI 12000W/ DXS



HMI 18000W/ DXS



HMI 24000W/ DXS

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	
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	Physical Attributes & Dimensions		
Product description	**Nominal luminous flux**	**Diameter (in)**	**Diameter**	**Diameter**
HMI 575 W/DXS	49000 lm	0.827 in	21.0 mm	21.0 mm
HMI 1200 W/DXS	110000 lm	1.063 in	27.0 mm	27.0 mm
HMI 2500 W/S XS	240000 lm	1.260 in	31.5 mm	31.5 mm
HMI 2500 W/DXS	240000 lm	1.260 in	31.5 mm	31.5 mm
HMI 4000 W/DXS	380000 lm	1.417 in	36.0 mm	36.0 mm

Product family datasheet

	Photometric Data	Physical Attributes & Dimensions		
Product description	**Nominal luminous flux**	**Diameter (in)**	**Diameter**	**Diameter**
HMI 6000 W/DXS	570000 lm	2.126 in	54.0 mm	54.0 mm
HMI 12000 W/DXS	1150000 lm	2.520 in	64.0 mm	64.0 mm
HMI 4000 W/DXS SOLAR	395000 lm		36.0 mm	36.0 mm
HMI 18000 W/DXS	1700000 lm	2.756 in	70.0 mm	70.0 mm
HMI 24000 W/DXS	2300000 lm	3.268 in	83.0 mm	83.0 mm

Product description	**Length**	**Length with base excl. base pins/connection**	**Product weight**	**Lamp base**
HMI 575 W/DXS	135.0 mm	115.00 mm	33.00 g	SFc10-4
HMI 1200 W/DXS	220.0 mm	180.00 mm	104.00 g	SFc15.5
HMI 2500 W/S XS	210.0 mm	150.00 mm	150.00 g	SFa21-12
HMI 2500 W/DXS	355.0 mm	290.00 mm	196.00 g	SFa21
HMI 4000 W/DXS	405.0 mm	340.00 mm	228.00 g	SFa21
HMI 6000 W/DXS	450.0 mm		511.00 g	S25.5
HMI 12000 W/DXS	470.0 mm		930.00 g	S30
HMI 4000 W/DXS SOLAR	405.0 mm	340.00 mm	185.00 g	SFa21-12
HMI 18000 W/DXS	500.0 mm		1000.00 g	S30
HMI 24000 W/DXS	500.0 mm		1100.00 g	S30

			Operating Conditions	
Product description	**Electrode gap (cold)**	**Connector: presence**	**Burning position**	**Cooling**
HMI 575 W/DXS			Any	
HMI 1200 W/DXS			Any	
HMI 2500 W/S XS			Other	
HMI 2500 W/DXS	14.0 mm		Other	Convection
HMI 4000 W/DXS	34.0 mm		p15	Convection
HMI 6000 W/DXS		Yes	p15	
HMI 12000 W/DXS		Yes	p15	
HMI 4000 W/DXS SOLAR			p15	
HMI 18000 W/DXS	44.0 mm	Yes	p15	Convection
HMI 24000 W/DXS		Yes	p15	Convection

		Lifetime Data	Environmental & Regulatory Information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Product description	**Maximum permitted ambient temperature at base**	**Nominal lifetime**	**Primary article identifier**	**Declaration no. in SCIP database**
HMI 575 W/DXS		1000 hr	4008321285102	No declarable substances contained
HMI 1200 W/DXS		1000 hr	4008321931153	No declarable substances contained
HMI 2500 W/S XS		500 hr	4050300025780	No declarable substances contained

Product family datasheet

		Lifetime Data	Environmental & Regulatory Information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Product description	**Maximum permitted ambient temperature at base**	**Nominal lifetime**	**Primary article identifier**	**Declaration no. in SCIP database**
HMI 2500 W/DXS	450 °C	500 hr	4008321182197	No declarable substances contained
HMI 4000 W/DXS	450 °C	500 hr	4008321210203	No declarable substances contained
HMI 6000 W/DXS		500 hr	4008321210210	473650a6-c144-4760-a4f0-5f7779e0d7fe
HMI 12000 W/DXS		500 hr	4008321210227	9bbbe108-6929-4ec2-90c3-f2313bf610cc
HMI 4000 W/DXS SOLAR		500 hr	4052899152601	No declarable substances contained
HMI 18000 W/DXS		500 hr	4008321370280	f14371f4-413d-4982-a113-e8e17de542e0
HMI 24000 W/DXS		375 hr	4008321355805	e6c82c15-550e-4821-97a3-8abf917baea6

Product description	**Candidate list substance 1**	**CAS No. of substance 1**	**Safe use instruction**	
HMI 575 W/DXS	No declarable substances contained			
HMI 1200 W/DXS	No declarable substances contained			
HMI 2500 W/S XS	No declarable substances contained			
HMI 2500 W/DXS	No declarable substances contained			
HMI 4000 W/DXS	No declarable substances contained			
HMI 6000 W/DXS	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	
HMI 12000 W/DXS	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			

Product description	Candidate list substance 1	CAS No. of substance 1	Safe use instruction
HMI 18000 W/DXS	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
HMI 24000 W/DXS	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.

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.