

HMI Double End Lamps



Areas of application

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

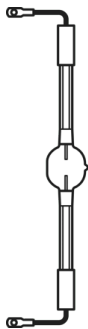
Product features and benefits

- 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

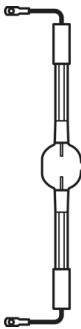




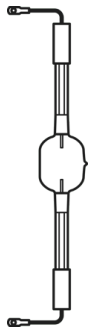
HMI 6000W/ DXS



HMI 12000W/ DXS



HMI 18000W/ DXS



HMI 24000W/ DXS

Product family datasheet

Technical data

| Product description | General Product Information | | | |
|----------------------|-----------------------------|------------------------------|--------------|--------------|
| | 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 | HMI4000WDXS SOLAR 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 | |

| Product description | Global order reference | Electrical Data | | |
|----------------------|------------------------|-----------------|-----------------|-----------------|
| | | 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 |

| Product description | Type of current | Ignition voltage (cold/hot) | Photometric Data | |
|---------------------|-----------------|-----------------------------|-----------------------|-------------------|
| | | | 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 |

Product family datasheet

| Product description | Type of current | Ignition voltage (cold/hot) | Photometric Data | |
|----------------------|-----------------|--------------------------------|--------------------------|-------------------|
| | | | 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 |

| Product description | Color rendering index Ra | Luminous efficacy | Physical Attributes & Dimensions | |
|----------------------|-----------------------------|-------------------|----------------------------------|----------|
| | | | 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 |
| HMI 24000 W/DXS | > 90 | 95 lm/W | 83.0 mm | 83.0 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 |
| HMI 24000 W/DXS | 3.268 in | 500.0 mm | | 1100.00 g |

| Product description | Lamp base | Electrode gap (cold) | Connector: presence | Operating Conditions |
|---------------------|-----------|----------------------|---------------------|-------------------------|
| | | | | 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

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.