

## HMI Double End Lamps

High performance double end HMI lamps with enhanced heat dissipating technology



### Areas of application

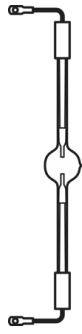
- Studio, TV, & Film
- Professional & High Speed Photography
- Solar Simulation

### Product features and benefits

- High intensity light providing true color performance with a  $>90$
- Longer life with heat dissipating round moly-foil design on lamps  $\geq 6000W$
- Mechanically robust with eXtreme Seal (XS) technology, up to  $450^{\circ}C$  at the pinch seal
- Capable of hot restrike ignition
- High stability of color temperature over lifetime
- High energy efficiency providing up to  $100\text{ lm/W}$
- Compression sealed base provides enhanced durability

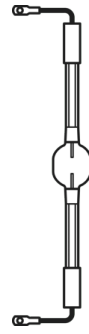


## Product family datasheet



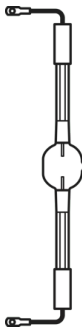
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HMI 6000W DXS



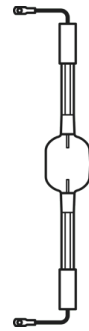
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HMI 12000W DXS



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HMI 18000W DXS



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HMI 24000W DXS

## Product family datasheet

### Technical data

| Product description  | General Product Information |                                 |              |              |
|----------------------|-----------------------------|---------------------------------|--------------|--------------|
|                      | Product number (Americas)   | Product name (Americas)         | Family brand | Lamp type    |
| HMI 575 W/DXS        | 54313                       | HMI 575W/DXS<br>10/CS 1/SKU     | HMI          | DOUBLE ENDED |
| HMI 1200 W/DXS       | 55139                       | HMI 1200W/DXS<br>10/CS 1/SKU    | HMI          |              |
| HMI 2500 W/S XS      | 54068                       | HMI 2500W/S/XS<br>1/CS 1/SKU    | HMI          |              |
| HMI 2500 W/DXS       | 54265                       | HMI 2500W/DXS<br>1/CS 1/SKU     | HMI          |              |
| HMI 4000 W/DXS       | 54314                       | HMI 4000W/DXS<br>1/CS 1/SKU     | HMI          |              |
| HMI 6000 W/DXS       | 54315                       | HMI 6000W/DXS<br>1/CS 1/SKU     | HMI          |              |
| HMI 12000 W/DXS      | 54316                       | HMI 12000W/DXS<br>1/CS 1/SKU    | HMI          | ROUNDFOIL    |
| HMI 4000 W/DXS SOLAR | 56783                       | HMI4000WDXSSOLA<br>R 1/CS 1/SKU |              |              |
| HMI 18000 W/DXS      | 54213                       | HMI 18000W/DXS<br>1/CS 1/SKU    | HMI          |              |
| HMI 24000 W/DXS      | 54325                       | HMI 24000W/DXS<br>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           | 95.0 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<br>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 | Photometric Data      | Physical Attributes & Dimensions |          |               |
|---------------------|-----------------------|----------------------------------|----------|---------------|
|                     | Nominal luminous flux | Lamp base                        | Diameter | Diameter (in) |
| HMI 575 W/DXS       | 49000 lm              | SFc10-4                          | 21.0 mm  | 0.827 in      |
| HMI 1200 W/DXS      | 110000 lm             | SFc15.5                          | 27.0 mm  | 1.063 in      |
| HMI 2500 W/S XS     | 240000 lm             | SFa21-12                         | 31.5 mm  | 1.260 in      |
| HMI 2500 W/DXS      | 240000 lm             | SFa21                            | 31.5 mm  | 1.260 in      |
| HMI 4000 W/DXS      | 380000 lm             | SFa21                            | 36.0 mm  | 1.417 in      |

## Product family datasheet

| Product description  | Photometric Data      | Physical Attributes & Dimensions |          |               |
|----------------------|-----------------------|----------------------------------|----------|---------------|
|                      | Nominal luminous flux | Lamp base                        | Diameter | Diameter (in) |
| HMI 6000 W/DXS       | 570000 lm             | S25.5                            | 54.0 mm  | 2.126 in      |
| HMI 12000 W/DXS      | 1150000 lm            | S30                              | 64.0 mm  | 2.520 in      |
| HMI 4000 W/DXS SOLAR | 395000 lm             | SFa21-12                         | 36.0 mm  |               |
| HMI 18000 W/DXS      | 1700000 lm            | S30                              | 70.0 mm  | 2.756 in      |
| HMI 24000 W/DXS      | 2300000 lm            | S30                              | 83.0 mm  | 3.268 in      |

| Product description  | Length   | Length with base excl. base pins/connection | Product weight | Electrode gap (cold) |
|----------------------|----------|---|----------------|----------------------|
| HMI 575 W/DXS        | 135.0 mm | 115.00 mm                                   | 33.00 g        |                      |
| HMI 1200 W/DXS       | 220.0 mm | 180.00 mm                                   | 104.00 g       |                      |
| HMI 2500 W/S XS      | 210.0 mm | 150.00 mm                                   | 150.00 g       |                      |
| HMI 2500 W/DXS       | 355.0 mm | 290.00 mm                                   | 196.00 g       | 14.0 mm              |
| HMI 4000 W/DXS       | 405.0 mm | 340.00 mm                                   | 228.00 g       | 34.0 mm              |
| HMI 6000 W/DXS       | 450.0 mm |   | 511.00 g       |                      |
| HMI 12000 W/DXS      | 470.0 mm |   | 930.00 g       |                      |
| HMI 4000 W/DXS SOLAR | 405.0 mm | 340.00 mm                                   | 185.00 g       |                      |
| HMI 18000 W/DXS      | 500.0 mm |   | 1000.00 g      | 44.0 mm              |
| HMI 24000 W/DXS      | 500.0 mm |   | 1100.00 g      |                      |

| Product description  | Connector: presence | Operating Conditions |            |   |
|----------------------|---------------------|----------------------|------------|---|
|                      |                     | Burning position     | Cooling    | Maximum permitted ambient temperature at base |
| HMI 575 W/DXS        |                     | Any                  |            |   |
| HMI 1200 W/DXS       |                     | Any                  |            |   |
| HMI 2500 W/S XS      |                     | Other                |            |   |
| HMI 2500 W/DXS       |                     | Other                | Convection | 450 °C  |
| HMI 4000 W/DXS       |                     | p15                  | Convection | 450 °C  |
| HMI 6000 W/DXS       | Yes                 | p15                  |            |   |
| HMI 12000 W/DXS      | Yes                 | p15                  |            |   |
| HMI 4000 W/DXS SOLAR |                     | p15                  |            |   |
| HMI 18000 W/DXS      | Yes                 | p15                  | Convection |   |
| HMI 24000 W/DXS      | Yes                 | p15                  | Convection |   |

| Product description | Lifetime Data    | Environmental & Regulatory Information<br>Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                                    |                                    |
|---------------------|------------------|---|------------------------------------|------------------------------------|
|                     | Nominal lifetime | Primary article identifier  | Declaration no. in SCIP database   | Candidate list substance 1         |
| HMI 575 W/DXS       | 1000 hr          | 4008321285102   | No declarable substances contained | No declarable substances contained |
| HMI 1200 W/DXS      | 1000 hr          | 4008321931153   | No declarable substances contained | No declarable substances contained |

## Product family datasheet

| Product description  | Lifetime Data    | Environmental & Regulatory Information<br>Information according Art. 33 of EU Regulation (EC) 1907/2006<br>(REACH) |                                      |                                    |
|----------------------|------------------|--|--------------------------------------|------------------------------------|
|                      | Nominal lifetime | Primary article identifier   | Declaration no. in SCIP database     | Candidate list substance 1         |
| HMI 2500 W/S XS      | 500 hr           | 4050300025780  | No declarable substances contained   | No declarable substances contained |
| HMI 2500 W/DXS       | 500 hr           | 4008321182197  | No declarable substances contained   | No declarable substances contained |
| HMI 4000 W/DXS       | 500 hr           | 4008321210203  | No declarable substances contained   | No declarable substances contained |
| HMI 6000 W/DXS       | 500 hr           | 4008321210210  | 473650a6-c144-4760-a4f0-5f7779e0d7fe | Lead                               |
| HMI 12000 W/DXS      | 500 hr           | 4008321210227  | 9bbbe108-6929-4ec2-90c3-f2313bf610cc | Lead                               |
| HMI 4000 W/DXS SOLAR | 500 hr           | 4052899152601  | No declarable substances contained   | No declarable substances contained |
| HMI 18000 W/DXS      | 500 hr           | 4008321370280  | f14371f4-413d-4982-a113-e8e17de542e0 | Lead                               |
| HMI 24000 W/DXS      | 375 hr           | 4008321355805  | e6c82c15-550e-4821-97a3-8abf917baea6 | Lead                               |

| Product description  | CAS No. of substance 1 | Safe use instruction   |
|----------------------|------------------------|--|
| HMI 575 W/DXS        |                        |  |
| HMI 1200 W/DXS       |                        |  |
| HMI 2500 W/S XS      |                        |  |
| HMI 2500 W/DXS       |                        |  |
| HMI 4000 W/DXS       |                        |  |
| HMI 6000 W/DXS       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| HMI 12000 W/DXS      | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| HMI 4000 W/DXS SOLAR |                        |  |
| HMI 18000 W/DXS      | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. |

## Product family datasheet

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

## 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.