

HMI® UVS: Focusing on the essentials

OSRAM HMI® UVS lamps provide high light intensity with UV emissions reduced by up to 99.9 %.



OSRAM has developed this group of HMI® lamps incorporating a doped UV Stop (UVS) quartz outer jacket, which reduces UVB and UVC emissions up to 99,9% without compromising performance. OSRAM offers seven HMI® UVS lamps, ensuring there is a lighting solution for every set, stage, and project.

Key features and benefits

- Reduced UV emissions of up to 99,9% for extended life of fixture components
- Color temperature of 6,000 K
- High color rendering index of 90+
- Extremely bright, up to 100 lumens/watt
- Dimmable
- Hot restart capability
- Drastically reduced UV emissions



HMI® UVS product overview

Product reference	Product number	W	V	A		lm	t[h]			LCL [mm]	L [mm]	No.
HMI® UVS, single ended												
HMI 200W/SE UVS	4052899152625	200	70	3	GZY9.5	16,000	200	any	20	39	80	1
HMI 400W/SE UVS	4052899152649	400	70	6,9	GZZ9.5	33,000	650	any	23	60	110	2
HMI 575W/SEL UVS	4052899152663	575	95	6,9	G22	49,000	1,000	any	30	70	145	3
HMI 800W/SEL UVS	4052899087132	800	95	8,4	G22	65,000	1,000	any	30	70	145	4
HMI 1200W/SEL UVS	4052899152670	1,200	100	13,8	G38	110,000	1,000	any	42	107	200	6
HMI 1600W/SE UVS	4052899152687	1,600	150	10,7	G22	150,000	750	any	38	85	175	5
HMI 1800W/SE UVS	4052899152694	1,800	140	13,0	G38	165,000	750	any	42	107	200	7

HMI® EVENT: Showing stars in their true light



Benefits

- Improved heat resistance – for high thermal requirements during the show
- Tighter range of color temperature – for a stable CCT with reduced color and brightness shifts
- UVS (UV Stop) – drastically reduced UV emissions for protection of the paint and extended fixture life

Applications

- Trade shows or exhibitions of autos, boats, industrial equipment, and motorcycles
- Press events



HMI® EVENT light data tool
Simply use the unique serial code to find out about the lamp characteristics of your lamp.
www.osram.com/hmilightdata

- Save time and efforts due to less need for upfront measurements of lamps
- Quick and precise pre-selection of all lamps used for every car
- Light data is based on exact measurements taken during the manufacturing process

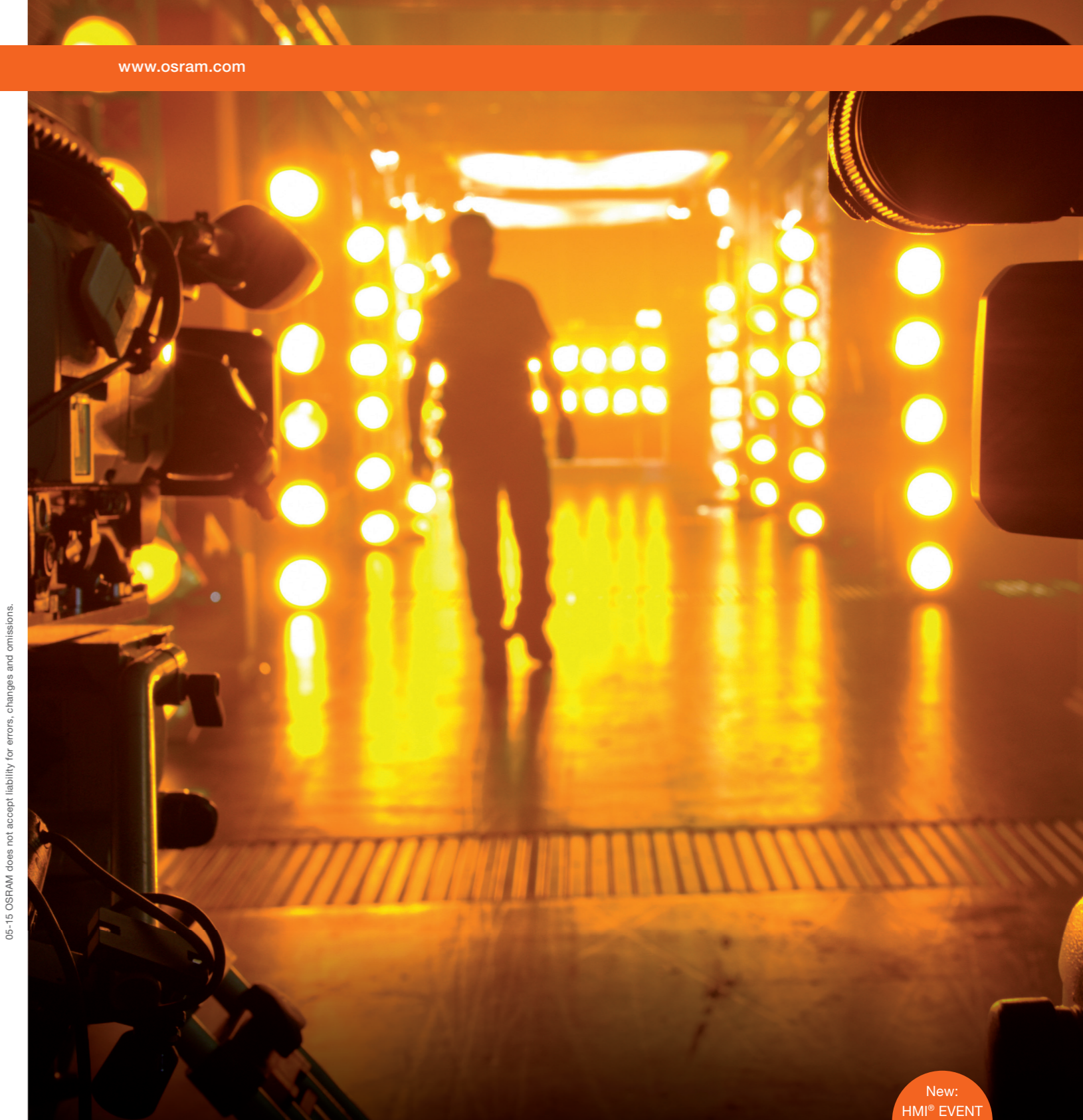
HMI® EVENT lamp types

Product reference	Product number	W	V	A		lm	t[h]			LCL [mm]	L [mm]	
HMI® EVENT												
HMI® 575W EVENT	4052899152658	575	95	7	G22	49.000	1.000	any	30	70	145	
HMI® 1200W EVENT	4052899152673	1.200	100	13.8	G38	110.000	1.000	any	42	107	200	



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05-15 OSRAM does not accept liability for errors, changes and omissions.

New:
HMI® EVENT
for auto
shows

Light is award-winning

For more than 40 years, OSRAM HMI® metal halide discharge lamps have been meeting the toughest demands of the film and TV industry. Their technology has received several awards and has become an integral part of film sets around the world.

Light is OSRAM



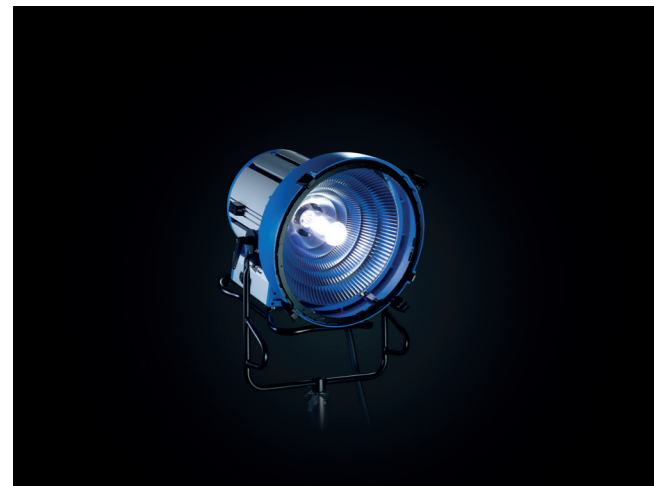
HMI® lamps are the first choice for users in the film and TV industry.

More than 40 years ago, film and television producers turned to OSRAM, seeking an economical and efficient alternative to incandescent lights. From this request, the HMI® lamp was born. The HMI® technology has since received multiple prestigious awards – such as the OSCAR®, the Primetime Emmy® Engineering Award and the PLASA Innovation Award. As a result, the HMI® lamp family continues to be an integral part of film sets around the world. Thanks to their continuous improvement, HMI® lamps have made film history again and again – many film productions would not be possible with the outstanding light of our HMI® lamps. Our powerful and effective HMI® series will benefit the entertainment industry at every level, from professional film productions to small theatrical events.

- Typical applications**
- Film, TV and video productions
 - Stage lighting (theater, opera etc.)
 - Exhibition lighting
 - Lighting for major events
 - Professional photography
 - Other applications
 - Industrial solar simulation
 - Trade shows or exhibitions of autos, boats, industrial equipment, and motorcycles

- Typical luminaires**
- Follow and moving-head spotlights
 - Fresnel luminaires
 - PAR/open luminaires
 - Soft and flood lighting

HMI® 18000 W/SE/GX51 in action.



HMI® lamps for film and television were awarded in Hollywood an OSCAR® in 1987. Since 1928 OSRAM has been producing lamps for stage lighting, film work and cinema projection.



Acknowledging the outstanding performance and continuous development of HMI® technology for the TV industry, OSRAM, in 2007, was awarded the Primetime Emmy® Engineering Award by the Academy of Television Arts & Sciences.



HMI® – all action and no drama

HMI® lamps are AC-operated metal halide discharge lamps, which have excellent color rendering and photometric integrity throughout their life.

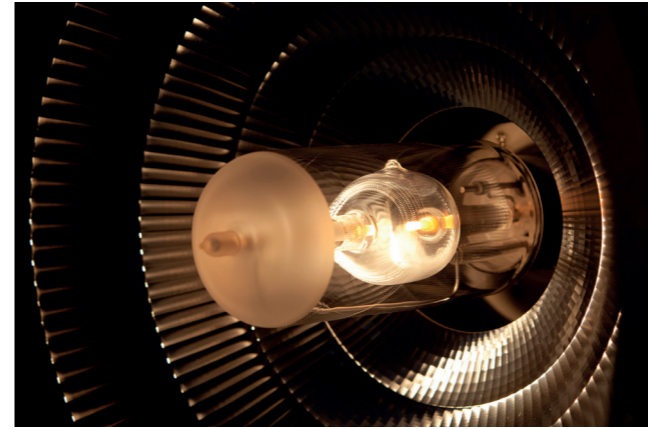


Perfect light whatever the time – day or night.

With an extremely bright light, providing up to 100 lumens per watt, OSRAM HMI® lamps generate a color temperature that closely matches sunlight. It reveals true colors and facilitates daytime filming outdoors. Dimmable, with hot restart capability, OSRAM HMI® lamps are up to five times more efficient than an incandescent light.

Key features and benefits

- High intensity light simulates daylight color temperature of 6000K with a CRI >90
- Enormous luminous flux of up to 2.3 million lm
- Very high luminous efficacy of up to 100 lm/W
- Reduced emissions with UV-Stop (UVS) feature on selected HMI single-end lamps
- Stronger, longer life with multiple moly-foils in seal design
- Mechanically robust with eXtreme Seal (XS) technology, up to 450°C at the pinch seal
- Capable of hot restrike ignition



HMI® lamps are available in single or double end with wattages from 200 to 24,000.



HMI® product overview

Type	Watts	Lumens (lm)	Avg Rated Life (hrs)
Single End UV-Stop	200, 400, 575, 800, 1,200, 1,600, 1,800	16,000 to 165,000	200 to 1,000
Single End	2,500, 4,000	240,000 to 380,000	500
Single End Director Series	6,000, 9,000, 12,000, 18,000	600,000 to 1,600,000	300 to 500
Double End	575, 1,200, 2,500, 4,000	49,000 to 380,000	375 to 500
Double End Director Series	6,000, 12,000, 18,000, 24,000	570,000 to 2,300,000	375 to 500
Single End EVENT	575, 1,200	49,000 to 110,000	1000

HMI® Director Series: High performance for high demands on the set

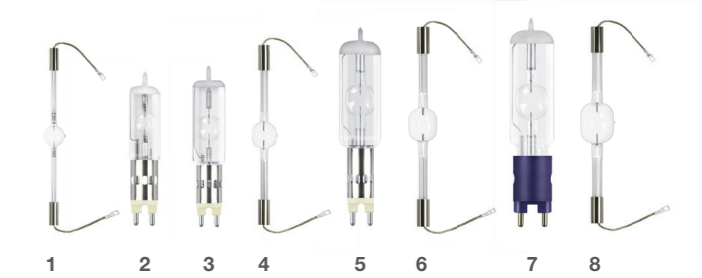
The multi-foil sealing system for OSRAM HMI® lamps provides high stability. They are specifically designed to meet the demanding photography requirements of the entertainment industry.



Ranging from 6,000 to 24,000 Watts, OSRAM HMI® Director Series lamps exhibit an exceptional color rendering index of >90 along with a high luminous efficiency of up to 100 lm/W. Featuring a daylight-like color temperature of 6000K, these lamps have set the industry standard for creating realistic, naturally lit scenes where the full color spectrum can be captured correctly on film. All of the HMI® Director Series lamps feature more robust stems, resulting in less breakage during transport, and incorporate a round moly-foil design that more evenly distributes heat and current, providing lamp life increases on average of 25 percent. Adapting a revolutionary design based on the highly successful OSRAM XBO® lamps used in cinema projectors, the double-ended HMI® Director Series lamps are currently the only lamps of their kind in the industry designed with a cement-free base to improve reliability. Additionally, the new splash-resistant packaging features a handle for carrying and a reusable design that allows the lamp to be repeatedly stored and transported safely.

Key features and benefits

- Heat dissipating round moly-foil design better distributes heat and current.
- Compression sleeve base improves reliability for double-end lamps.
- Longer life on most types
- Splash-proof carrying case is re-usable and allows lamps to be transported safely over the full lifetime.
- 6000K correlated color temperature
- Flicker-free operation in 1000 Hz mode



HMI® Director Series product overview

Product reference	Product number	W	V	A	⊡	lm	t(h)	⊗	⌀ (mm)	l (mm)	No.
HMI 6000W/DXS	4008321210210	6,000	123	55	S25.5	570,000	500	p15	54	450	1
HMI 6000W/SE XS	4050300564067	6,000	123	55	GX38	600,000	500	s135	75	360	2
HMI 9000W/SE	4008321762573	9,000	160	56	GX38	875,000	400	any	80	380	3
HMI 12000W/DXS	4008321210227	12,000	160	84	S30	1,150,000	500	p15	64	470	4
HMI 12000W/SE XS	4050300650418	12,000	160	84	GX38	1,150,000	500	s135	100	455	5
HMI 18000W/DXS	4008321370280	18,000	225	88	S30	1,700,000	500	p15	77	500	6
HMI 18000W/SE XS	4008321098955	18,000	225	88	GX51	1,600,000	350	s135	100	495	7
HMI 24000W/DXS	4008321355805	24,000	280	86	S30	2,300,000	500	p15	83	500	8