



HMI[®] DIGITAL

Steady performance and true color
for the film and TV industry

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Robust, flicker-free lamps deliver a steady performance on set or on stage.

Advanced filming technology necessitates advanced set lighting

Now more than ever before, technology allows for an immersive movie experience, with intense visual effects and crisp sound. And technology has not only changed the way we experience movies, but the way we film them. Most productions rely heavily on digital film, a medium which brings its own set of benefits and challenges—especially for lighting.

To meet the needs of such film technology, OSRAM modernized its professional, high-performance HMI® lamps that have been trusted on film sets, stages, and television studios for decades. HMI® DIGITAL lamps provide the benefits professionals have come to expect from the HMI® name, plus flicker-free lighting when operated in modes of 1000 Hz and higher.¹⁾

Features

HMI® DIGITAL lamps illuminate even the most complex, demanding productions in the ideal light. The high-performance, single-ended metal halide lamps offer extremely bright light of up to 100 lumens per watt, a color temperature that approximates daylight (6000 K), and a high color rendering index of 90+. The lamps come equipped with our patented UV-Stop, eliminating 99.9% of harmful UV emissions.

HMI® DIGITAL lamps offer features that ensure ease-of-use for operators. For high-speed digital film applications, HMI® DIGITAL supplies flicker-free light when used in modes of 1000 Hz and higher with high-speed electronic ballasts. Stable with robust stems, the lamps also have hot restart capabilities. Special moly-foil design distributes heat evenly and extends the lamps' lifetime.

Applications

Whether using analog or digital film, shooting in in modes of 1000 Hz and higher, our HMI® DIGITAL line has a lamp for your production. While specially-designed to accommodate evolving, high-speed film technology, HMI® DIGITAL still provides every feature needed to light traditional film productions, as well as theater stages.

Expect high-performance for the high demands on your:

- Film sets
- Theater stages
- Television studios



Benefits & features at a glance

- Flicker-free when used with high-speed electronic ballasts (1000 Hz and higher)
- Suited for both analog and digital film production
- Up to 99.9% less UV emissions (from models equipped with UV-Stop)
- Color temperature of 6000 K for realistic, naturally-lit scenes
- High color rendering index of 90+, exposing true-to-life colors
- Extremely bright light of up to 100 lumens/watt
- Hot restart capability
- Improved stability and design
- Robust stems, resulting in less breakage during transport
- Round moly-foil construction that evenly distributes heat and current, thus extending lamp life²⁾
- Splash-proof carrying case is re-usable and allows lamps to be transported safely²⁾

HMI® DIGITAL product portfolio

HMI® DIGITAL features a doped UV-Stop (UVS) quartz outer jacket that reduces UV emissions up to 99.9%. The line includes single-ended metal halide lamps ranging from 200 W to 18000 W.

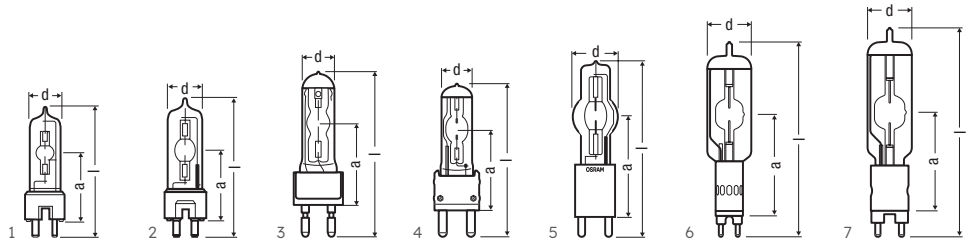
Website

For more information on the HMI® DIGITAL line, including technical specifications and related products, visit www.osram.com/hmidigital.



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1) When paired with the high-speed electronic ballasts of market leaders
2) 6000-18000 W



HMI® DIGITAL lamp types

| Product reference | Product number | W | V | A | | lm | t [h] | K | | | | |
|---------------------|----------------|-------|-----|------|--------|---------|-------|--------------------|--------|---------------|-----------|-----|
| | | | | | | | | | d [mm] | LCL a [mm] | L [mm] | No. |
| HMI® DIGITAL 200W | 4052899984110 | 200 | 69 | 2.9 | GZY9.5 | 16000 | 200 | 6900 ¹⁾ | 19 | 39 | 80 | 1 |
| HMI® DIGITAL 400W | 4052899984127 | 400 | 75 | 5.3 | GZY9.5 | 32500 | 650 | 6700 ¹⁾ | 23 | 60 | 110 | 2 |
| HMI® DIGITAL 575W | 4052899984134 | 575 | 94 | 6.1 | G22 | 49000 | 1000 | 6400 ¹⁾ | 30 | 70 | 145 | 3 |
| HMI® DIGITAL 800W | 4052899984141 | 800 | 95 | 8.4 | G22 | 69000 | 1000 | 6300 ¹⁾ | 30 | 70 | 145 | 3 |
| HMI® DIGITAL 1200W | 4052899984196 | 1200 | 100 | 12 | G38 | 110000 | 1000 | 6800 ¹⁾ | 40 | 107 | 200 | 4 |
| HMI® DIGITAL 1600W | 4062172294911 | 1600 | 155 | 10.3 | G22 | 144000 | 750 | 7250 ¹⁾ | 40 | 85 | 173 | 3 |
| HMI® DIGITAL 1800W | 4052899984202 | 1800 | 140 | 12.9 | G38 | 165000 | 750 | 6500 ¹⁾ | 40 | 107 | 200 | 4 |
| HMI® DIGITAL 2500W | 4052899984295 | 2500 | 118 | 24.5 | G38 | 220000 | 500 | 6300 ¹⁾ | 60.9 | 127 | 225 | 5 |
| HMI® DIGITAL 4000W | 4052899984301 | 4000 | 200 | 24 | G38 | 387000 | 500 | 6000 ¹⁾ | 75 | 141 | 250 | 5 |
| HMI® DIGITAL 6000W | 4062172005890 | 6000 | 123 | 55 | GX38 | 600000 | 500 | 6000 ¹⁾ | 74 | 210 | 360 | 6 |
| HMI® DIGITAL 9000W | 4062172001908 | 9000 | 165 | 56 | GX38 | 875000 | 400 | 6000 ¹⁾ | 80 | 210 | 380 | 6 |
| HMI® DIGITAL 18000W | 4062172123372 | 18000 | 225 | 88 | GX51 | 1600000 | 300 | 6000 ¹⁾ | 100 | 260 | 495 | 7 |

1) Average value on electronic ballast