

Technical Information

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Metal Halide Lamp

HMI[®] 6000 W

■ Product description

The OSRAM HMI[®] 6000 W is a double-ended metal halide lamp. The lamp is characterized by its high luminous efficacy, its daylight-like color temperature and its hot restart ability. The HMI[®] 6000 W is used in the SSTV field mainly for film shootings.

■ Technical data

| | | |
|------------------------|-----------------|-------------------------|
| Order reference | | HMI [®] 6000 W |
| Rated lamp wattage | W | 6,000 |
| Rated lamp voltage | V | 123 |
| Rated lamp current (~) | A | 55 |
| Ignition voltage | kV _s | 20 / 50 (max. 60) |
| Luminous flux | lm | 570,000 |
| Luminous efficacy | lm/W | 95 |
| Color temperature | K | 6.000 |
| Color rendering index | Ra | > 90 |
| Light arc length | mm | 21 |
| Lamp length l_1 | mm | max. 450 |
| Bulb diameter d | mm | 54 |
| Average service life | h | 500 |
| Base | | S 25,5 |

■ Lamp operation

| | | |
|--------------------------------------|----|----------------------------------|
| Maximum permissible base temperature | °C | 230 |
| Cooling | | Convection |
| Burning position | | horizontal $\pm 15^\circ$, p 15 |

The HMI[®] 6000 W can either be operated on standard ballasts or on electronic power supplies (ECG).

■ Manufacturers of igniters and control gear (not all officially approved by OSRAM)

Igniters: Bauch 907 and 916, DESISTI 2642

Ballasts: Power Gems EB 640P

ECGs: Bauch 907, DESISTI 2445

Further information on operating and control gears requirements is available with the OSRAM brochure "Guidelines for Control Gear and Igniters - Metal Halide Lamps Photo Optics", order reference 123T01E.

