Technical Information

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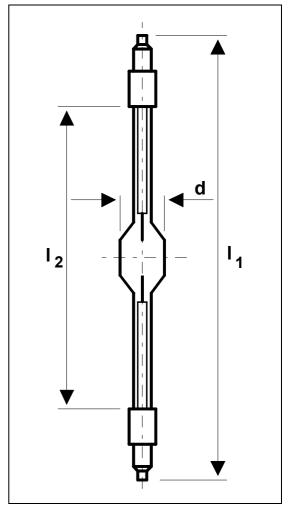
HMI[®] 4000 W

Product description

The OSRAM ${\rm HMI}^{\rm @}$ 4000 W is a double-ended metal halide lamp. Its funnel shaped burner is especially designed for super quiet operation on electronic power supplies. The ${\rm HMI}^{\rm @}$ 4000 W is mainly used in film and TV lighting, show and effect lighting and solar simulation.

Technical data

| Order reference | | HMI [®] 4000 W |
|-------------------------------|------|-------------------------|
| Rated lamp wattage | W | 4,000 |
| Rated lamp voltage | V | 200 |
| Rated lamp current (~) | Α | 24 |
| Ignition voltage (cold / hot) | kVs | 5 / 65 |
| Luminous flux | lm | 380,000 |
| Luminous efficacy | lm/W | 95 |
| Color temperature | K | 6,000 |
| Color rendering index | Ra | > 90 |
| Light arc length | mm | 34 |
| Lamp length (overall) l₁ | mm | max. 405 |
| Lamp length I ₂ | mm | 340 |
| Bulb diameter d | mm | 36 |
| Average service life | h | 500 |
| Base | | SFa 21-12 |



Lamp operation

Maximum permissible

base temperature °C 230

| Cooling | Convection |
|------------------|-----------------------|
| Burning position | horizontal ± 15°, p15 |

The HMI® 4000 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)

Ignitors: I.R.E.M. AD-3065, sAD-3065; Bauch 276, 940
Ballasts: ARRI L2.75839.0; I.R.E.M. BC-4000; LTM 501 701;

Lumo UB 4 KW, 510-054; RDS BU-4000 EP

ECGs: ARRI L2.76135.F; B&S EB 4000C; DE SISTI DEB 4000; I.R.E.M. EB-4000, sEB-4000;

LTM 501 530; Sansha SG-4000, Super 4KW; Strand 65 209 760; Lightmaker T.L. 4000

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.

