

# Technical Information

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Metal Halide Lamp

# HSR<sup>®</sup> 575 / 72

## ■ Product description

The OSRAM HSR<sup>®</sup> 575 / 72 is a single ended metal halide lamp with outer bulb. The lamp has a high luminous flux and with 1.000 hours a high average service life. Due to its increased color temperature (7200 K), the light appears to be more bright for the human eye. The HSR<sup>®</sup> 575 / 72 is the right choice for the disco, club- and touring field.

## ■ Technical data

|                                      |                    |                           |
|--------------------------------------|--------------------|---------------------------|
| Lamp / order reference               |                    | HSR <sup>®</sup> 575 / 72 |
| Rated lamp wattage                   | W                  | 575                       |
| Rated lamp voltage                   | V                  | 95                        |
| Rated lamp current (~)               | A                  | 7                         |
| Ignition voltage (cold)              | kV <sub>s</sub>    | 1.5                       |
| Luminous flux                        | lm                 | 49,000                    |
| Average luminance                    | cd/cm <sup>2</sup> | 10,000                    |
| Color temperature                    | K                  | 7,200                     |
| Color rendering index                | Ra                 | > 85                      |
| Light arc length                     | mm                 | 7                         |
| Lamp length (overall) l <sub>1</sub> | mm                 | 125                       |
| Bulb diameter d                      | mm                 | max. 30                   |
| LCL (a)                              | mm                 | 65                        |
| Average service life                 | h                  | 1,000                     |
| Base                                 |                    | GX 9.5                    |

## ■ Lamp operation

|                                      |    |                   |
|--------------------------------------|----|-------------------|
| Maximum permissible base temperature | °C | 350               |
| Cooling                              |    | Convection or Fan |
| Burning position                     |    | any               |

The HSR<sup>®</sup> 575 / 72 can either be operated on standard ballast as well as on electronic power supplies (ECG).

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

|           |  |
|-----------|--|
| Igniters: | BAG TURGI MZN 1000 S, SE 7/15 U; ERC 640042, 640032;<br>May & Christe ZG 10 SE; ZUMTOBEL ZRM12 |
| Ballasts: | ERC 686228/2; LTM 504501; Lumo 510-055;<br>May & Christe 1100.0554.002; Mitronic VG 575        |
| ECG:      | Schiederwerk EVG 575/700, EVG 5-57   |

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

## ■ Safety instruction

Because of the high UV radiation emitted by HSR<sup>®</sup> lamps and the fact that they operate at high pressure, they must only be used in purpose-built enclosed housings. Suitable filters must be used to ensure that the UV radiation is reduced to an acceptable level.

