

## Technical Information

No. FO 5176

Edition: 04/05 - subject to change

Supersedes: --/-- (initial release)

Status: valid



## Longlife Metal Halide Lamp

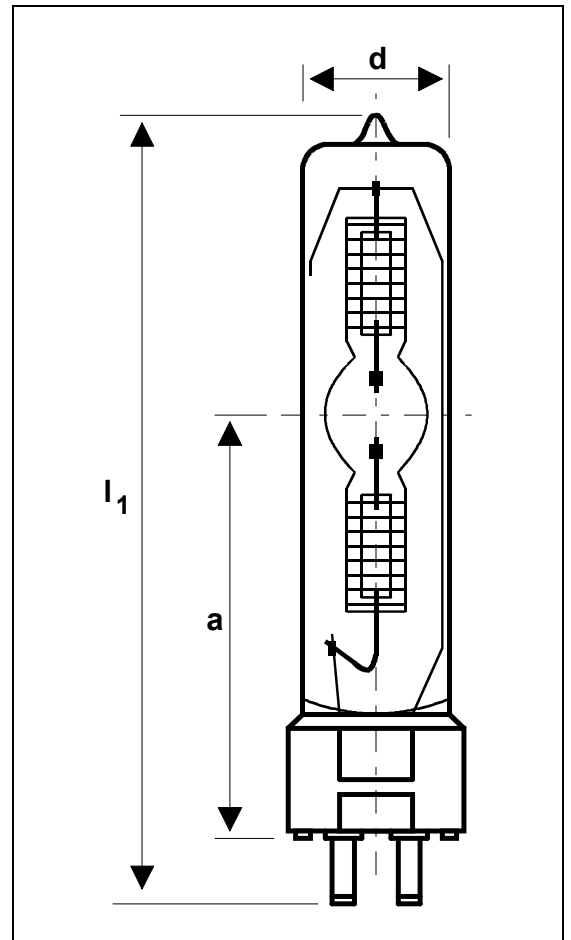
# 4ArXS HSD<sup>®</sup> 575W/60

### ■ 4ArXS – For Architainment eXtreme Seal

The OSRAM 4ArXS HSD<sup>®</sup> 575W/60 is an ultra-longlife metal halide lamp with outer bulb and daylight-like 6000 K. The lamp is characterized by a high luminance and - with 3,000 hours - a high average service life. The "eXtreme Seal" technology enables higher pinch temperatures up to max. 450°C. The lamp is suitable for cold start only. The 4ArXS HSD<sup>®</sup> 575W/60 is perfect for use in effect and architectural effect lighting.

### ■ Technical data

|                                      |                 |                                |
|--------------------------------------|-----------------|--------------------------------|
| Lamp / order reference               |                 | 4ArXS HSD <sup>®</sup> 575W/60 |
| Rated wattage                        | W               | 575                            |
| Rated voltage                        | V               | 88                             |
| Rated lamp current (~)               | A               | 7.4                            |
| Ignition voltage (cold)              | kV <sub>s</sub> | 1.5                            |
| Luminous flux                        | lm              | 45,000                         |
| Color rendering index                | CRI             | > 85                           |
| Color temperature                    | K               | 6,000                          |
| Arc length                           | mm              | 7.0                            |
| Lamp length (overall) l <sub>1</sub> | mm              | max. 135                       |
| Bulb diameter d                      | mm              | max. 30                        |
| LCL (a)                              | mm              | 65                             |
| Average service life                 | h               | 3,000                          |
| Base                                 |                 | GX 9,5                         |



### ■ Lamp operation

Maximum permissible base temperature °C 450 at Molybdenum foil / Pinch seal region (eXtreme Seal Technology)

Cooling Convection or Fan

Burning position any

The 4ArXS HSD<sup>®</sup> 575W/60 can be operated on electronic power supplies (ECG) and standard ballasts.

### ■ Selection of igniters and control gear

|           |   |
|-----------|---|
| Igniters: | ERC 640042; Schiederwerk 321581000; Mitronic ZGV 40-12  |
| Ballasts: | ERC 686228/2 50/60 Hz, 686228/1 50 Hz   |
| ECG:      | Schiederwerk EVG 5-xx, EVG 12-7; Hansmann ERF 575; Mitronic PE 575 Line 400-700, PFPE 60 Line 400-700 |

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

### ■ Safety instruction

Because of the high UV radiation emitted by 4ArXS HSD<sup>®</sup> lamps and the fact that they operate at high pressures, they may 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.