

Technical Information

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Metal Halide Lamp

HTI[®] 403 W/SE

■ Product description

The OSRAM HTI[®] 403 W/SE is a single-ended metal halide lamp without outer bulb. The lamp is characterized by its compact size, a high luminous flux and a high luminance. With 750 hours service life the HTI[®] 403 W/SE is the longlife version of the HTI[®] 400 W/SE. Main applications are in the effect light and commercial projection field as well as in overhead and slide projection.

■ Technical data

| | | |
|--------------------------------------|--------------------|---------------------------|
| Order reference | | HTI [®] 403 W/SE |
| Rated lamp wattage | W | 400 |
| Rated lamp voltage | V | 55 |
| Rated lamp current (square) | A | 7.3 |
| Ignition voltage (cold / | kV _s | 4.5 / 20 |
| Luminous flux | lm | 28,000 |
| Average luminance | cd/cm ² | 30,000 |
| Color temperature | K | 4,800 |
| Electrode gap e | mm | 4 |
| Lamp length (overall) l ₁ | mm | max. 84 |
| Bulb diameter d | mm | 35 |
| Average service life | h | 750 |

Base FaX 1,5

■ Lamp operation

| | | |
|--------------------------------------|----|---|
| Maximum permissible base temperature | °C | 230 |
| Cooling | | Fan |
| Burning position | | horizontal ± 45°, current bar downwards, p 45 |

The HTI[®] 403 W/SE should be operated on electronic power supplies (ECG); standard ballasts can be used; some lamp parameters might be reduced.

■ Manufacturers of operating and control devices (not all officially approved by OSRAM)

| | | |
|-----------|---|---------|
| Ignitors: | Mitronic | 270/400 |
| | Bauch | 252 |
| Ballasts: | ERC, May & Christe (not serial) | |
| ECGs: | Gossen C 36 AC 400; Mitronic ENE 270/400; San Rex SG 400; | |
| | Schiederwerk EVG 250/400, 400/575 C, EVG 5-40; Walker SA HTI 400 I2 | |

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.

