

## Technical Information

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## Metal Halide Short Arc Lamp

# HSD<sup>®</sup> 250/78

### ■ Product description

The OSRAM HSD<sup>®</sup> 250/78 is a single ended metal halide short arc lamp with outer bulb for effect, architectural and advertisement projection. The lamp is characterized by its 'bright-light' character and its high average service life. The HSD<sup>®</sup> 250/78 is compatible to the HSD<sup>®</sup> 250/60 except the higher color temperature. Hot restrike is not possible.

### ■ Technical data

Lamp / order reference		HSD <sup>®</sup> 250/78
Rated wattage	W	250
Rated voltage	V	90
Rated lamp current (~)	A	3.1
Ignition voltage	kV <sub>s</sub>	2
Luminous flux	lm	17,000
Color rendering index	Ra	> 85
Color temperature	K	7,800
Arc length	mm	5
Lamp length (overall) $l_1$	mm	max. 108
Bulb diameter $d$	mm	max. 23
LCL (a)	mm	55
Average service life	h	3,000
Base		GY 9,5

### ■ Lamp operation

Maximum permissible base temperature      °C      230 (350°C at pinch seal)

Cooling      Convection or Fan

Burning position      any

The HSD<sup>®</sup> 250/78 is to be operated preferable on electronic power supplies (ECG) but standard ballasts can be used as well.

### ■ Selection of igniters and control gear

Igniters:      ERC 640041  
Ballasts:      ERC 686823  
ECG:      Schiederwerk EVG 2-25; Mitronic PE 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 Photo Optic", order reference 123T01E.

### ■ Safety instruction

Because of the high UV radiation emitted by 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.

