

# Technical Information

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# OSRAM CLASSIC

## Metal Halide Lamp

### EMH 250W/SE/80

#### ■ Product description

The OSRAM CLASSIC EMH 250W/SE/80 is a longlife metal halide lamp with outer bulb and blue-bright 8000 K. The lamp is characterized by a high luminance and - with 2,000 hours - a high average service life. The lamp is suitable for cold start only. The EMH 250W/SE/80 is perfect for use in effect and architectural effect lighting.

#### ■ Technical data

Lamp / order reference		EMH 250W/SE/80
Rated wattage	W	250
Rated voltage	V	94
Rated lamp current (~)	A	3.3
Ignition voltage (cold)	kV <sub>s</sub>	2.0
Luminous flux	lm	15,000
Color rendering index	CRI	> 60
Color temperature	K	8,000
Arc length	mm	5.0
Lamp length (overall) l <sub>1</sub>	mm	Max. 108
Bulb diameter d	mm	Max. 23
LCL (a)	mm	55
Average service life	h	2,000
Base		GY 9,5

#### ■ Lamp operation

Maximum permissible  
base temperature      °C      230

Cooling      Convection or Fan

Burning position      any

The EMH 250W/SE/80 can be operated on electronic power supplies (ECG) and standard ballasts.

#### ■ Selection of igniters and control gear

Igniters:      ERC 640041

Ballasts:      ERC 686823

ECG:      Schiederwerk EVG 2-25; Mitronic PE Line 400-700; Rotec MEB250MH/HPS-U

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 EMH 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.

