

Technical Information

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OSRAM CLASSIC

Metal Halide Lamp

EMH 1200 W/DE/60

Product description

The OSRAM CLASSIC EMH 1200 W/DE/60 is a double-ended metal halide lamp with shortened electrode gap in pinch seal technology. The EMH 1200 W/DE/60 is hot re-startable.

Technical data

Lamp / order reference	EMH 1200 W/DE/60	
Rated lamp wattage	W	1.200
Lamp voltage	V	100
Lamp current (~)	A	13.8
Ignition voltage (cold, kHz igniter)	kV _s	4.5
Ignition voltage (cold/hot, MHz ign.)	kV _s	12 / 35 (max. 45 *)
Luminous flux	lm	95,000
Color temperature	K	6,000
Color rendering index	CRI	> 70
Electrode gap e	mm	10
LCL a	mm	90
Lamp length l ₁ (over all)	mm	max. 220
Lamp length l ₂	mm	max. 180
Bulb diameter	mm	27
Average service life	h	750
Base	Sfc 15,5	

* maximum peak value of surge voltage

Lamp operation

Maximum permissible base temperature	°C	230
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Cooling	Convection
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Burning position	any
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The EMH 1200 W/DE/60 can either be operated on standard ballasts or on electronic power supplies (ECG).

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

Ignitors:	ERC 64032; AD-1550, sAD-1550; Mitronic ZG 1200; Walker SA-1200-i3; Bauch 242, 244, 250
Ballasts:	May & Christe HMI 1200W spec. M/O 1042; ARRI L2.75832.E; ERC 681851, 681 856, 681 857; LTM A-609; Lumo 510-052; Mitronic VG 1200; Panther FL 1200, ST 1200; Sachtler B12 110, B 12 220; Strand 65 207 720; ARRI 1200 CB
ECGs:	B&S EB 1200C; De Sisti DEB 1200; LTM A 519; Lumo Super 1.2; Mitronic PE1k2 line, PFPE12 line; RDS EB-1200; Sachtler Netronic 1200; Sansha SG-1200; Walker HMI 575, SC 575/1200; Schiederwerk EVG 12-12; ARRI 575/1200 EBB / EB DMX

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

