

Technical Information

Metal Halide Lamp

No. 5701

Edition: 11/2017 - subject to change

Supersedes: 07/17

Status: valid

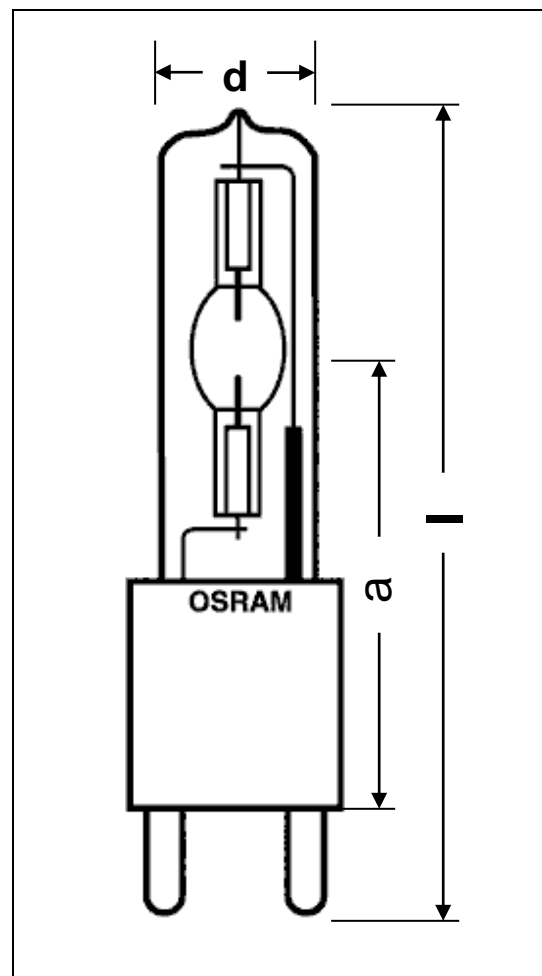
HMI® DIGITAL 1800W

■ Product description

The OSRAM HMI® DIGITAL 1800W is a metal halide lamp with outer jacket. Due to its compact design and the high output a high system efficacy is achieved. The lamp stands pinch temperatures up to 450°C. New outer bulb material reduces UV emissions down to 0.1%. This lamp type is mainly used in film, theatre and TV lighting applications.

■ Technical data

Order reference	HMI® DIGITAL 1800W
Rated lamp wattage	W 1800
Rated lamp voltage	V 140
Rated lamp current (~)	A 12.9
Ignition voltage (cold/hot)	kV _s 5 / 35 (max. 40)
Luminous flux	lm 165,000
Luminous efficacy	lm/W 92
Color temperature	K 6,500
Color rendering index	Ra > 90
Light arc length	mm 13.5
Lamp length (overall) l ₁	mm max. 200
Bulb diameter d	mm max. 42
LCL a	mm 107
Average service life	h 750
Base	G38



■ Lamp operation

Maximum pinch seal temperature allowed	°C 450 / with eXtreme Seal Technology (measured at welding point)
Cooling	Convection
Burning position	any

The HMI® DIGITAL 1800W can be used only on electronic control gears (ECG) especially for flicker-free operation.

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

Ignitor:	Schiederwerk HZG 15-35 E
EVG:	ARRI EB 1200/1800, Schiederwerk PVG 25-18

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