

## Technical Information

No. 5164 - subject to change without notice

Edition: 01/2019

Supersedes: 02/2005

Status: preliminary

## Metal Halide Lamp

# HMI<sup>®</sup> DIGITAL 2500W

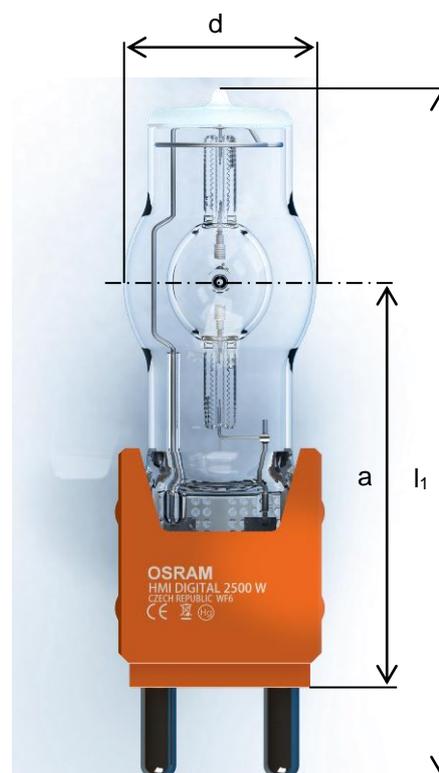
### ■ Product description

The OSRAM HMI<sup>®</sup> DIGITAL 2500W is a single-ended metal halide lamp with outer jacket featuring OSRAM's eXtreme-Seal Technology. 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, TV lighting applications or balloon lighting applications requiring such UV stop directly on the lamp.

### ■ Technical data \*

Order reference		HMI DIGITAL 2500 W
Rated lamp wattage	W	2500
Rated lamp voltage	V	117,5 ± 7,5
Rated lamp current	A	24,5
Ignition voltage (cold, kHz-ign.)	kVs	5
Ignition voltage (cold / hot, MHz-ign.)	kVs	20/45 (max. 55)
Luminous flux	lm	220 000
Luminous efficacy	lm/W	89
Color temperature	K	6 350
Color rendering index CRI		96
Light arc length (cold)	mm	14
Lamp length (overall) $l_1$	mm	max. 220
Diameter bulb $d$	mm	60 ± 0,9
LCL $a$	mm	127 ± 1
Average service life	h	500
Base		G38

\* Data are average values if no tolerance is listed



### ■ Lamp operation

Maximum permissible base temperature	°C	450 / with eXtreme Seal Technology (measured on Moly-foil/pinch)
Cooling		Convection
Burning position		S 135 (vertical ± 135°); in horizontal position current bar up

The HMI<sup>®</sup> DIGITAL 2500W 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)

Igniters: Bauch 905, 912

ECGs:

ARRI 2500 EBB, 2.5/4kW EB, 2.5/4kW EB DMX; B&S EB 2500C; DE SISTI EB 2500C; ERC DEB 2500; Film Gear 2,5/4