

Technical Information

No. DO 6096

Edition: 10/2022 - subject to change

Supersedes: none

Status: released

High Power Metal Halide Lamp

HMI® DIGITAL 18000 W

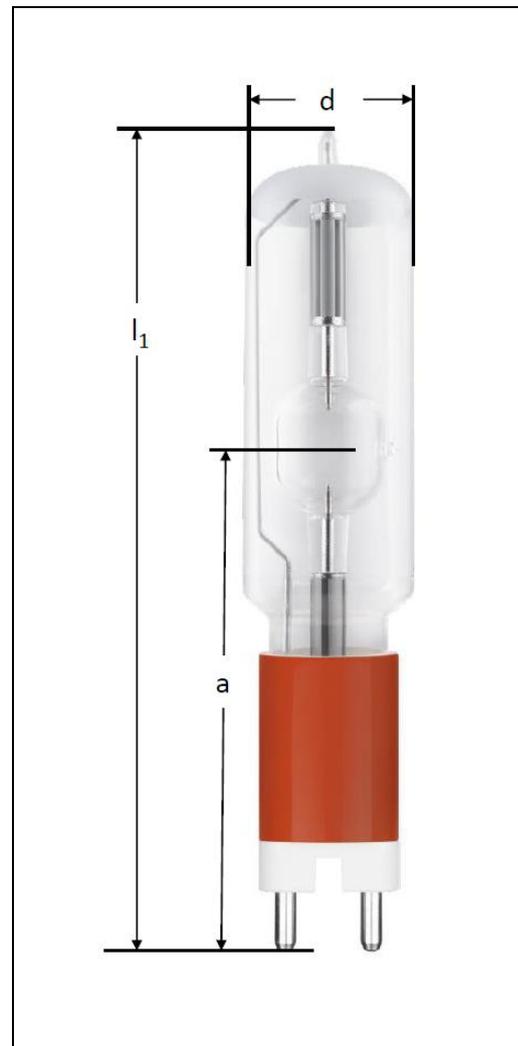
■ Product description

The OSRAM HMI® DIGITAL 18000 W is a very powerful single-ended metal halide lamp with outer jacket. This light source offers an enormous luminous flux for a long average service life. New UVS outer bulb reduces UV emissions.

The HMI® DIGITAL 18000W can stand more heat – up to 450°C. This lamp is mainly used for stage, studio, and TV, especially for outdoor film shooting.

■ Technical data

Order reference	HMI®	DIGITAL 18000W
Rated lamp wattage	W	18000
Rated lamp voltage	V	232 ± 10
Rated lamp current (~)	A	78
Ignition voltage (cold/hot, MHz-ZG)	kV _s	20 / 65
Luminous flux	lm	1,600,000
Color temperature	K	6,000
Color rendering index CRI		> 90
Electrode gap e	mm	44
Lamp length (overall) l ₁	mm	max. 495
Bulb diameter d	mm	100 (78)
LCL a	mm	260
Average service life	h	300
Base		GX 51 (2")



■ Lamp operation

Maximum base seal temperature allowed	°C	450 / with eXtreme Seal Technology (measured on Moly-foil/welding)
---------------------------------------	----	--

Cooling	Convection
---------	------------

Burning position	S 135 (vertical ± 135°)
------------------	-------------------------

The HMI® 18000 W DIGITAL can be operated on electronic power supplies (ECG).

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

Igniters: ARRI, B&S, Power Gems, Bauch

ECGs: ARRI, B&S, Power Gems

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.

OSRAM