

# Technical Information

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# Xenon Short Arc Lamp

## Xstage® 2000 W

### ■ Product description

The OSRAM Xstage® 2000 W is a DC-operated lamp that is especially suited for Entertainment applications requiring excellent arc stability and a high luminance.

### ■ Technical data

Order reference	Xstage® 2000 W	
Rated lamp wattage	W	2000
Rated lamp voltage	V	23
Rated lamp current (DC)	A	90
Current control range	A	70 - 110
Ignition voltage	kV <sub>P</sub>	30
Min. open circuit voltage for cold / hot ignition	V	85 / 110
Luminous flux	lm	80000
Luminous intensity	cd	9000
Average luminance	cd/cm <sup>2</sup>	170000
Luminous area w x h *)	mm	1,1 x 2,6
Electrode gap e (cold)	mm	3,5
Lamp length (overall) l <sub>1</sub>	mm	max. 305
Lamp length l <sub>2</sub>	mm	max. 262
LCL a	mm	120
Bulb diameter d	mm	46,5
<b>Warranty (Stationary application) h</b>	<b>h</b>	<b>1000</b>
<b>Warranty (Moving application) h</b>	<b>h</b>	<b>650</b>
Base	Cathode	SFc 28-27/20
	Anode	SFaX 27-9,5
Cable length l <sub>c</sub>	mm	300

\*) w = luminance half width value; h = height of luminous area (corresponds to electrode gap, hot)

### ■ Lamp operation

Maximum permissible base temperature	230°C
Cooling	forced cooling / fan
Min. air flow velocity around discharge vessel	7 m/s
<b>Operating position</b>	<b>s 90</b>

