

Technical Information

No. 5491

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Xenon Short Arc Lamp

Xstage[®] 7000 W OFR

■ Product description

The OSRAM Xstage[®] 7000 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 [®] 7000 W	
Rated lamp wattage	W	7000
Rated lamp voltage	V	40
Rated lamp current (DC)	A	160
Current control range	A	110 - 165
Ignition voltage	kV _P	40
Min. open circuit voltage for cold / hot ignition	V	85 / 110
Luminous flux	lm	330000
Luminous intensity	cd	33000
Average luminance	cd/cm ²	120000
Luminous area w x h *)	mm	1,9 x 6,7
Electrode gap e (cold)	mm	8
Lamp length (overall) l ₁	mm	max. 405
Lamp length l ₂	mm	max. 362
LCL a	mm	162.5
Bulb diameter d	mm	70
Warranty (Stationary application) h	h	1000
Warranty (Moving application) h	h	650
Base	Cathode	SFc 28-27/20
	Anode	SFaX 27-9,5
Cable length l _c	mm	400

*) 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
Operating position	s90

