Technical Information

No. 4202

Edition: 03/12 - subject to change

Substitutes: Edition 05/11 Status: preliminary

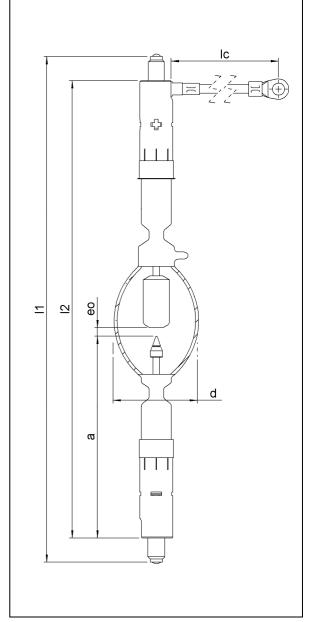
XBO[®] 4200 W/CA OFR

■ Product description

The OSRAM XBO $^{\$}$ 4200 W/CA OFR is a DC-operated lamp that is especially suited for applications requiring excellent arc stability and high luminance. The OSRAM XBO $^{\$}$ 4200 W/CA OFR is designed for vertical burning position (CA = cable on anode base).

■ Technical data

Order reference	XBO® 4200 W/CA OFR	
Rated lamp wattage	W	4200
Rated lamp voltage	V	29
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Rated lamp current (=)	Α	140
Current control range	Α	80/150
Ignition voltage	kV_P	33
Min. open circuit voltage for cold / hot ignition	V	75/100
Luminous flux	lm	190000
Luminous intensity	cd	20000
Average luminance	cd/cm²	100000
Luminous area w x h 1)	mm	2.1 x 5.7
Electrode gap e (cold)	mm	7.0
Lamp length (overall) I ₁	mm	max. 428
Lamp length I ₂	mm	max. 382
Cable length I ₃	mm	max. 300+-10
LCL a	mm	167.5
Lamp cable I _c ²⁾	mm	300
Bulb diameter d	mm	70
Warranty	h	1000
Base	Cathode Anode	SFaX 27-14 SFaX 27-13



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

Lamp operation

Maximum permissible base temperature 230 ℃

Cooling Forced cooling / fan

Min. air flow velocity around discharge vessel 6 m/s

Operating position s 15 (vertical \pm 15°; anode up)

Detailed electrical lamp operation is described in our Guidelines for Power Supplies and Igniters, no. DO GL- 4202



²⁾ additional lamp cable, 300 mm in the package