

Technical Information

No. 5265

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Substitutes: Edition 01/03

Status: valid

Xenon Short Arc Lamp

1000 W/HSS OFR

■ Product description

The 1000 W/HSS OFR is a DC -operated xenon lamp, that is especially suited for applications requiring excellent arc stability and high luminance, like searchlights. The 1000 W/HSS OFR is designed for horizontal burning position (H = horizontal, S = short).

■ Technical data

Order reference		1000W/HSS OFR
Rated lamp wattage	W	1000
Rated lamp voltage	V	19
Rated lamp current (=)	A	50
Current control range	A	30 - 55
Ignition voltage	kV _p	33
Min. open circuit voltage for cold / hot ignition	V	65 / 75
Luminous flux	lm	32000
Luminous intensity	cd	3000
Average luminance	cd/cm ²	60000
Luminous area w x h ^{*)}	mm	1,1 x 2,8
Electrode gap e (cold)	mm	3.6
Lamp length (overall) l ₁	mm	max. 224
Lamp length l ₂	mm	max. 193
LCL a	mm	95
Bulb diameter d	mm	40
Average service life	h	500
Base		Cathode: SFcX 27-8 Anode: SFa 27-11

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

■ Lamp operation

Maximum permissible base temperature	°C	230
Cooling requirements		forced cooling / fan
Min. air flow velocity around discharge vessel	m/s	5
Operating position		s 20 (vertical ± 20°; anode up) ; p 20 (horizontal ± 20°)

