

Technical Information

No. FO 4170

Edition: 02/04 - subject to change

Substitutes: Edition 02/99

Status: valid

Xenon Short Arc Lamp

XBO[®] 1000 W/HS OFR

■ Product description

The OSRAM XBO[®] 1000 W/HS OFR is a DC-operated lamp which is especially suited for applications requiring excellent arc stability and high luminance. The OSRAM XBO[®] 1000 W/HS OFR is designed for horizontal burning position (H = horizontal) and excels with its compact dimensions (S = short).

■ Technical data

Order reference XBO[®] 1000 W/HS OFR

Rated lamp wattage W 1,000

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 32,000

Luminous intensity cd 3,000

Average luminance cd/cm² 60,000

Luminous area w x h *) mm 1.1 x 2.8

Electrode gap e (cold) mm 3.6

Lamp length (overall) l₁ mm max. 235

Lamp length l₂ mm max. 205

LCL a mm 95

Bulb diameter d mm 40

Average service life h 2000

Base Cathode: SFcX 27-8
Anode: SFa 27-11

*) w = luminance half width value; h = height of luminance 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°)

