

CONTINUOUS SHORT ARC XENON LAMP

XENON LAMPS

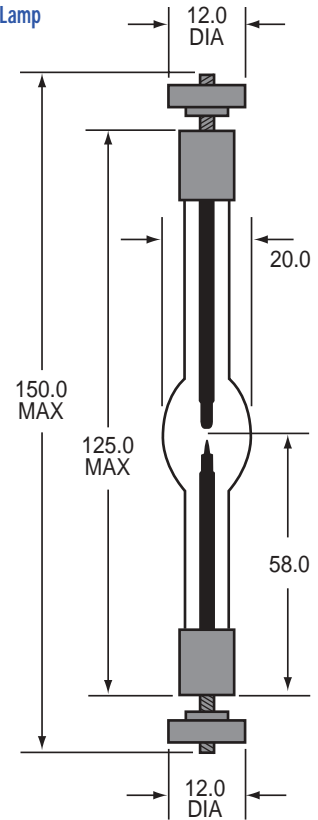
INTRODUCTION

Cathodeon offers a range of continuous xenon lamps, from 50W to 7000W. These lamps can be used in many white light illumination applications, however these sources require bulky, complex power supplies and produce high levels of heat, rendering them unsuitable for many high sensitivity opto-electronic applications. Cathodeon does offer a stable long life 150W lamp specifically for instrumental applications.

The HSX 150 range is electrically compatible with all 150W lamps currently on the market so offering an excellent solution for applications requiring a xenon point source with high radiance, broad spectral output and high stability.

There are four different HSX lamps, with arc lengths of 2.0mm or 2.5mm, and arc tube material of either fused silica or ozone-free silica. They offer exceptional stability and have an average service life of 2000 hours with minimum arc shift over this period. Therefore they are especially suited to analytical instrumentation.

Fig 6 HSX Series Lamp



SPECIFICATIONS

PARAMETER	TYPE 1	TYPE 2	TYPE 3	TYPE 4
Operating power (W)	150	150	150	150
Arc tube material	Fused silica	Ozone fused silica	Fused silica	Ozone free silica
Arc gap (mm)	2.5	2.5	2.0	2.0
Voltage (V)	20 ± 2	20 ± 2	18 ± 2	18 ± 2
Current (A)	7.5 ± 0.5	7.5 ± 0.5	8.5 ± 0.5	8.5 ± 0.5
Ignition voltage (Nominal, kV)	25	25	25	25
Output (Nominal, Lumens)	2600	2600	2600	2600
Average Life (hours)	2000	2000	2000	2000

ORDERING CODES

LAMP TYPE	ORDERING CODE
Type 1	HSX150-1
Type 2	HSX150-2
Type 3	HSX150-3
Type 4	HSX150-4

APPLICATIONS

The HSX lamps with exceptional noise and stability performance are particularly suitable for challenging applications such as:-

Spectrophotometry

Fluorescence

Graphic arts

Microscope illumination

Solar simulation

Colour analyzers

Densitometers

hi-Tech lamps

800-229-6509

info@hi-techlamps.com