LAMP

LONG LIFE XENON LAMP SERIES

75 W: L10725/-01/-02, L10726/-01/-02
150 W: L11033, L11034

OVERVIEW

Our long life xenon lamp series now have a drastically extended service life① compared to our previous lamps, thanks to the use of an innovative new electrode. This significant increase in service life helps reduce time-consuming maintenance tasks such as lamp replacement and lamp position alignment. Other benefits from using the long life xenon lamp include saving natural resources and a smaller burden on the environment.

①Guaranteed service life (75 W: twice that of our conventional models, 150 W: about 1.7 times that of our conventional models)

75 W Xenon Lamp

FEATURES

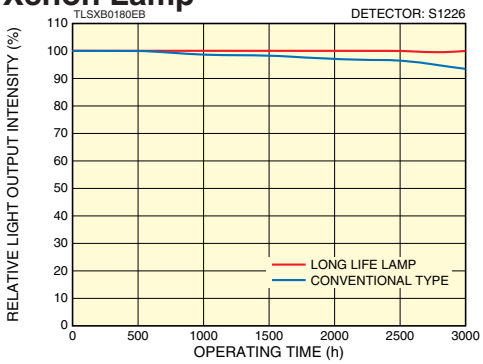
- **Long Life** 75 W Xenon Lamp Guaranteed Life: 2000 h
  Average Life : 3000 h
  150 w Xenon Lamp Guaranteed Life: 3000 h
  Average Life : 4000 h
- **High Stability** Fluctuation (p-p) : 0.2 % Typ. (1.0 % Max.)
  Drift : ±0.5 %/h Typ.
- **Point Light Source**

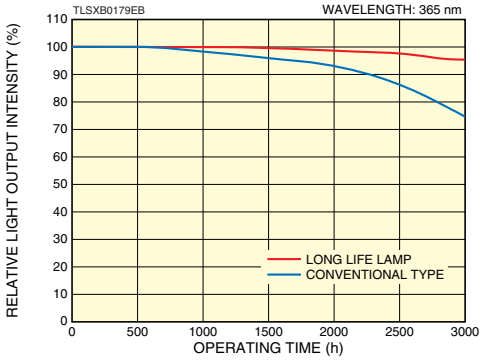
APPLICATIONS

- **Semiconductor Inspection Equipment Light Source**
- **Scanner Light Sources**
- **Microscope Light Sources**
- **Spectrophotometer Light Sources**
- **High Performance Liquid Chromatograph (HPLC) Light Sources**

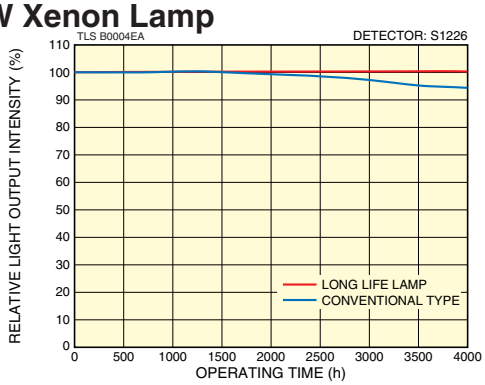
LIGHT OUTPUT INTENSITY AND OPERATING TIME

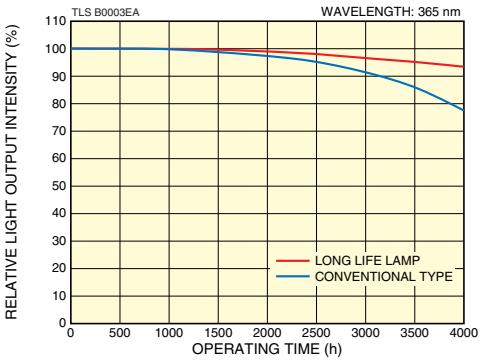
●75 W Xenon Lamp





●150 W Xenon Lamp



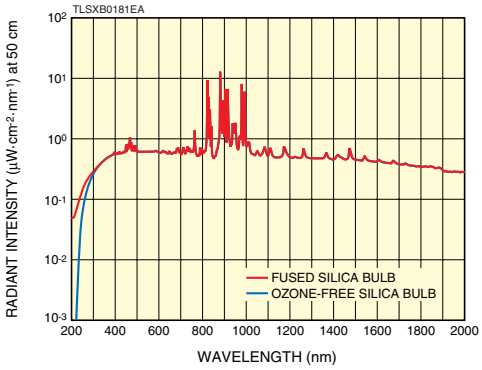


SPECIFICATIONS

Parameter		Long Life Lamp 75 W		Long Life Lamp 150 W	
		L10725/-01/-02	L10726/-01/-02	L11033	L11034
Window Material (Transmission wavelength)		Fused Silica (185 nm to 2000nm)	Ozone-free Silica (240 nm to 2000nm)	Fused Silica (185 nm to 2000nm)	Ozone-free Silica (240 nm to 2000nm)
Lamp Rating		Approx. 75 W		Approx. 150 W	
Arc Length		1.0 mm ± 0.1 mm		2.0 mm ± 0.1 mm	
Lamp Current		5.7 A ± 0.3 A		8.5 A ± 0.5 A	
Lamp Voltage		Approx. 13.5 V		Approx. 17 V	
Light Output Stability	Fluctuation (p-p) (Max.)	1.0 %			
	Drift (Typ.)	±0.5 %/h			
Operating Guaranteed Life ②		2000 h		3000 h	
Average Life		3000 h		4000 h	
Orientation		Vertical ±15 degree or Horizontal ±15 degree			
Cooling Method		Convection Cooling			
Weight		Approx. 15 g		Approx. 45 g	

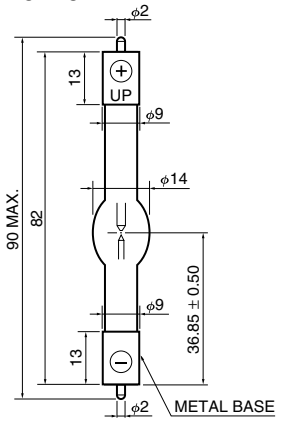
②The life end is defined as the time when the light output intensity falls to 50 % of its initial value or when the output fluctuation (p-p) exceeds 1.0 %

SPECTRAL DISTRIBUTION (TYPICAL DATA: 75 W Xenon Lamp)

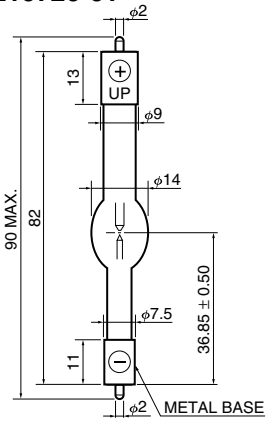


DIMENSIONAL OUTLINES (Unit: mm)

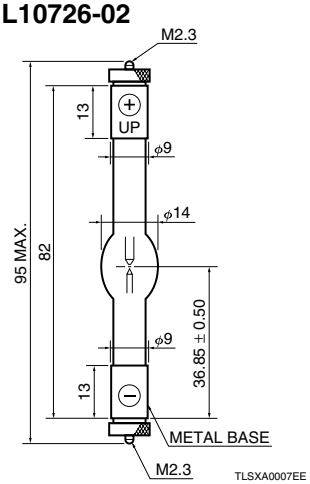
L10725
L10726



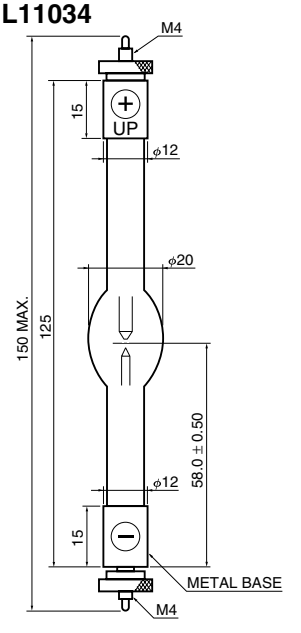
L10725-01
L10726-01



L10725-02
L10726-02



L11033
L11034



HAMAMATSU PHOTONICS K.K. www.hamamatsu.com

HAMAMATSU PHOTONICS K.K., Electron Tube Division
314-5, Shimokanzo, Iwata City, Shizuoka Pref., 438-0193, Japan, Telephone: (81)539/62-5248, Fax: (81)539/62-2205
U.S.A.: Hamamatsu Corporation: 360 Foothill Road, P. O. Box 6910, Bridgewater. N.J. 08807-0910, U.S.A., Telephone: (1)908-231-0960, Fax: (1)908-231-1218 E-mail: usa@hamamatsu.com
Germany: Hamamatsu Photonics Deutschland GmbH: Arzbergerstr. 10, D-82211 Herrsching am Ammersee, Germany, Telephone: (49)8152-375-0, Fax: (49)8152-2658 E-mail: info@hamamatsu.de
France: Hamamatsu Photonics France S.A.R.L.: 19, Rue du Saule Trapu, Parc du Moulin de Massy, 91882 Massy Cedex, France, Telephone: (33)1 69 53 71 00, Fax: (33)1 69 53 71 10 E-mail: infos@hamamatsu.fr
United Kingdom: Hamamatsu Photonics UK Limited: 2 Howard Court, 10 Tewin Road Welwyn Garden City Hertfordshire AL7 1BW, United Kingdom, Telephone: 44-(0)1707-294888, Fax: 44(0)1707-325777 E-mail: info@hamamatsu.co.uk
North Europe: Hamamatsu Photonics Norden AB: Smidesvägen 12, SE-171-41 SOLNA, Sweden, Telephone: (46)8-509-031-00, Fax: (46)8-509-031-01 E-mail: info@hamamatsu.se
Italy: Hamamatsu Photonics Italia: S.R.L.: Strada della Moia, 1/E, 20020 Arese, (Milano), Italy, Telephone: (39)02-935 81 733, Fax: (39)02-935 81 741 E-mail: info@hamamatsu.it

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