

# 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 life<sup>①</sup> 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.

① Guaranteed 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

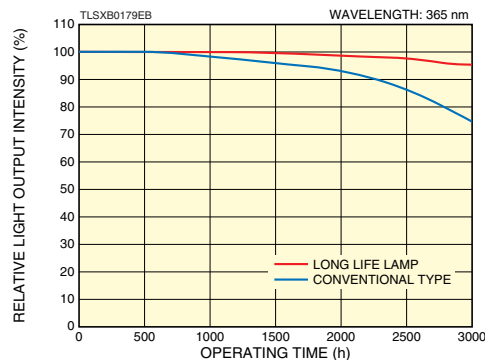
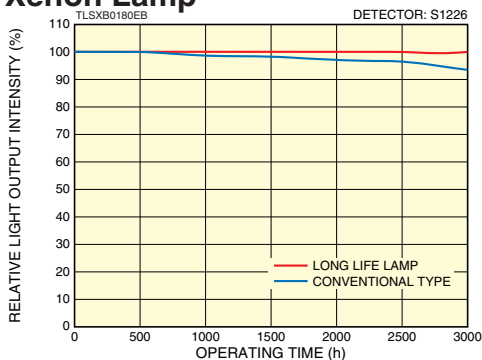
- **Long Life** 75 W Xenon Lamp **Guaranteed Life: 2000 h**  
**Average Life : 3000 h**  
150 w Xenon Lamp **Guaranteed Life: 3000 h**  
**Average Life : 4000 h**
- **High Stability** Fluctuation (p-p): **0.2 % Typ. (1.0 % Max.)**  
Drift : **±0.5 %/h Typ.**
- **Point Light Source**

## APPLICATIONS

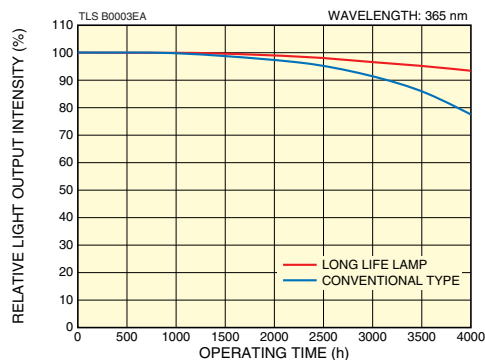
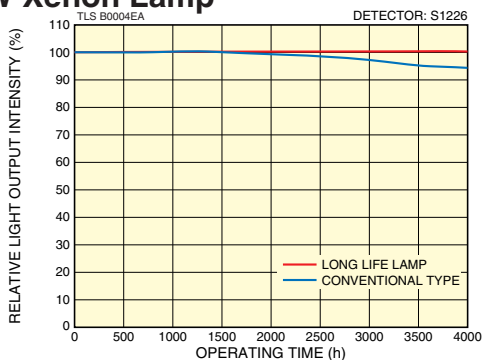
- **Semiconductor Inspection Equipment Light Source**
- **Scanner Light Sources**
- **Microscope Light Sources**
- **Spectrophotometer Light Sources**
- **High Performance Liquid Chromatograph (HPLC) Light Sources**

## LIGHT OUTPUT INTENSITY AND OPERATING TIME

### ● 75 W Xenon Lamp



### ● 150 W Xenon Lamp



**HAMAMATSU**

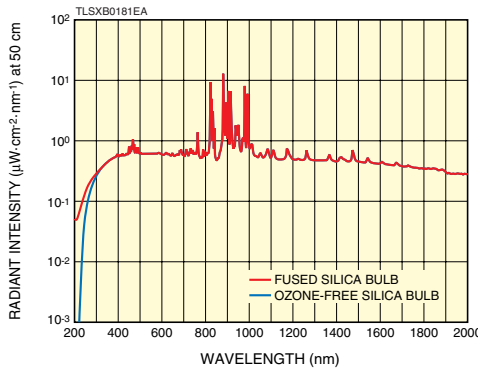
PHOTON IS OUR BUSINESS

# 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.) Drift (Typ.)		1.0 % ±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	

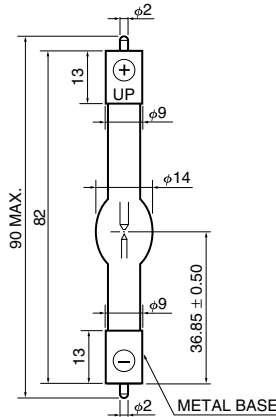
②The life end is defined as the time when the light output intensity falls to 50 % of its initial value or when the output fluctuation (p-p) exceeds 1.0 %

## SPECTRAL DISTRIBUTION (TYPICAL DATA: 75 W Xenon Lamp)



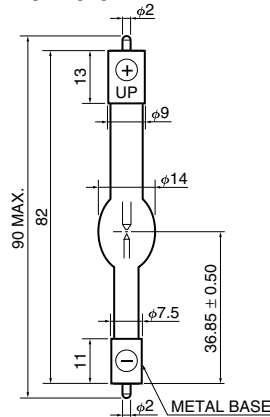
## DIMENSIONAL OUTLINES (Unit: mm)

L10725  
L10726



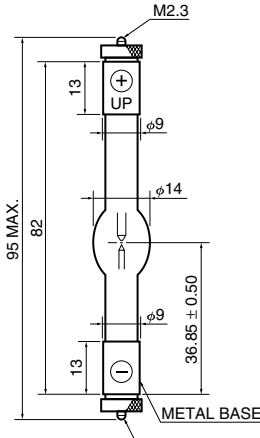
TLSXA0122EA

L10725-01  
L10726-01



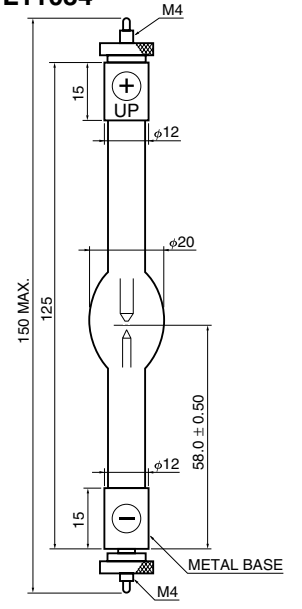
TLSXA0123EA

L10725-02  
L10726-02



TLSXA0007EE

L11033  
L11034



TLSXA0004EA

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