

# NEW

# LONG LIFE 100 W XENON SHORT ARC REFLECTOR LAMP

## L10878

### OVERVIEW

The L10878 consists of a long-life 100 W xenon lamp precisely assembled with a condenser reflector. The L10878 does not require optical systems and optical axis adjustment mechanisms that are necessary for ordinary xenon lamps. This simplifies equipment design and makes lamp replacement easy since no optical axis adjustment is required.



### FEATURES

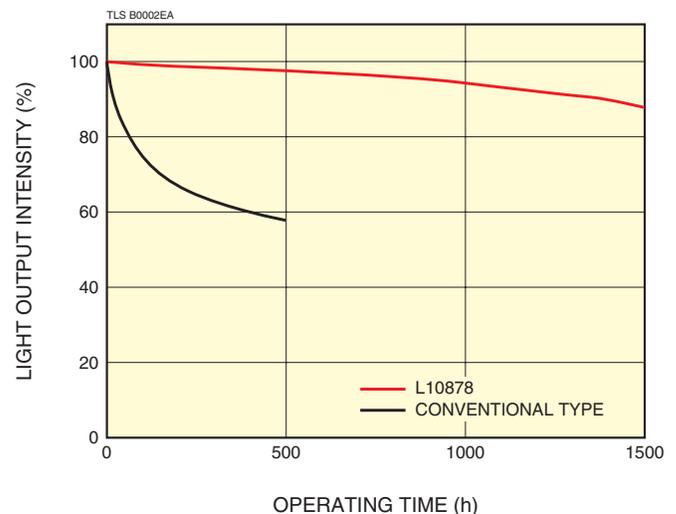
- Long life  
Guaranteed life: 1000 h  
Average life: 1500 h  
(Conventional type is less than 500 h)
- High stability  
Fluctuation(p-p): 1.0 % Max.  
Drift:  $\pm 0.5$  %/h Typ.
- Assembled with visible-light condenser reflector
- No arc point shift
- Ozone-free
- Hot re-strikeable

### APPLICATIONS

- Endoscope
- Medical Equipment
- Microscope

### Light output intensity vs. operating time

- Output intensity at all wavelengths



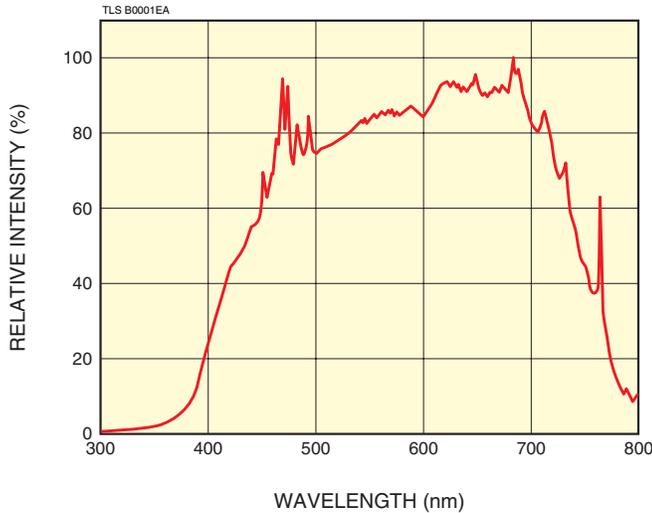
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# SPECIFICATIONS

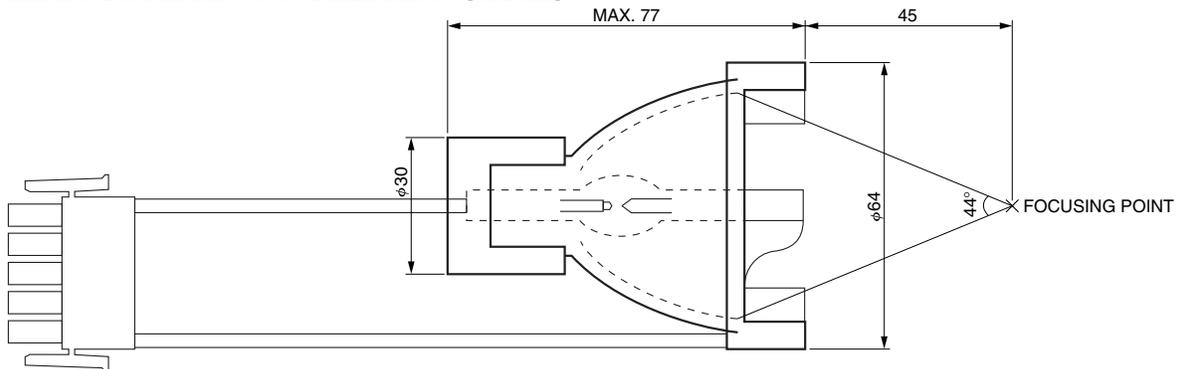
Parameter		Description / Value
Lamp Rating		Approx. 100 W
Arc Length		1.0 mm ± 0.1 mm
Focusing Angle		Approx. 44°
Lamp Current (DC)		7.0 A ± 0.5 A
Lamp Voltage (DC)		Approx. 13.5 V
Light Output Stability	Fluctuation (p-p)(Max.)	1.0 %
	Drift (Typ.)	±0.5 %/h
Guaranteed Life <sup>①</sup>		1000 h
Average Life		1500 h
Installation Orientation		Horizontal ± 15°
Cooling Method		Forced air cooling
Weight		Approx. 150 g

**NOTE:** ① The life end is defined as the time when the light output intensity at all wavelengths falls to 50 % of the initial value or when the output fluctuation (p-p) exceeds 1.0 %.

# SPECTRAL DISTRIBUTION



# DIMENSIONAL OUTLINES (Unit: mm)



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