

查询"L10366-12"供应商

NEW

HIGH BRIGHTNESS VUV LIGHT SOURCE UNIT

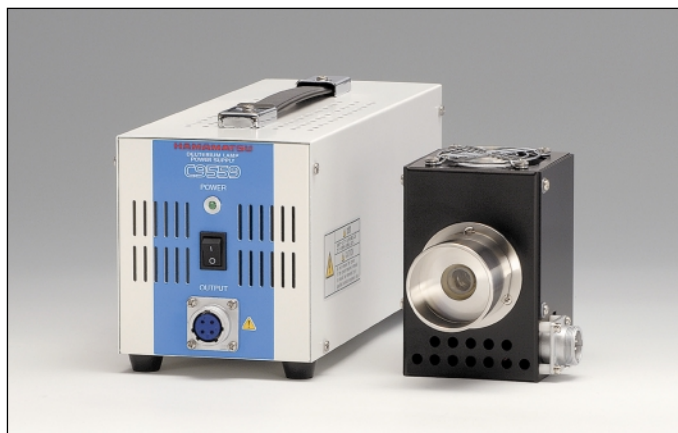
L10366 SERIES

OVERVIEW

The L10366 series are newly developed VUV (vacuum UV) light source units.

This product uses a "high-brightness deuterium lamp with MgF₂ window" that produces a high radiant intensity 4 times higher than conventional model.

This product is now a lot easier to handle due to use of an air-cooled structure and vacuum flange mount.



Left: Power supply, Right: Light source

TL50F0184

FEATURES

- **High Radiant Intensity: 4 Times** (compared to conventional model)
- **High VUV Intensity Down to 115 nm**
- **Air Cooling** (needs no cooling water)
- **External Control** (lamp ON/OFF, lamp ON status signal)
- **No Optical Axis Alignment Required**

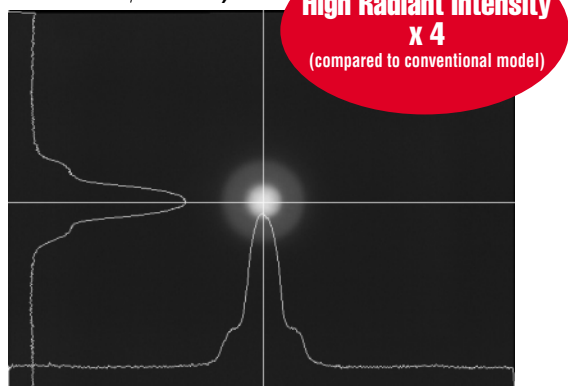
APPLICATIONS

- Spectrophotometer, Fluorophotometer
- Electrostatic Removal of Semiconductor Wafer, LCD Panel, etc.
- Photoionization Detector (PID)
- UV Resistance Testing of Various Material
- Optical Chemical Vapor Deposition (optical CVD)
- Excitation Light Source

ARC DISTRIBUTION (at 230 nm)

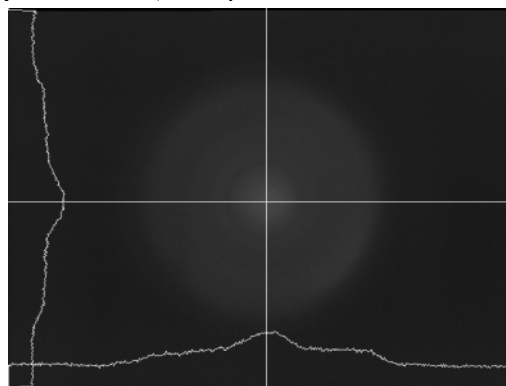
L10366 series

(Aperture size: $\phi 0.5$ mm)



Conventional type

(Aperture size: $\phi 1$ mm)



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PACKAGE CONTENTS

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Type No.	Light Source	Vacuum Flange ^①	Power Supply	Light Source to Power Supply Cable	AC Cable
L10366	○	—	○	○	○
L10366-10	○	○(E3444)	○	○	○
L10366-11	○	○(E3444-01)	○	○	○
L10366-12	○	○(E3444-02)	○	○	○

① The vacuum flange E3444 series can be sold separately from the unit L10366 series.

SPECIFICATIONS

●GENERAL RATINGS

Parameter	Description/Value	Unit
Spectral Distribution	115 to 400	nm
Window Material	MgF ₂	—
Aperture Size (Arc Point)	φ0.5	mm
Cooling Method	Air-cooled	—
Operating Temperature Range	+10 to +35	°C
Operating Humidity Range	Below 80 % (No Condensation)	—

●RECOMMENDED OPERATING CONDITIONS AND CHARACTERISTICS (at 25 °C)

Parameter	Description/Value	Unit
Warm-up Time	25 ± 5	s
Output Stability	Fluctuation (p-p)	%
	Drift (Max.)	%/h
Light Source Life ^②	at 230 nm	2000 (Guaranteed)
	at 160 nm	500 (Expected)
Input Voltage (AC)	100 V to 240 V (100 V / 200 V Auto Switching), Single Phase 50 Hz to 60 Hz	—
Power Consumption	140	VA

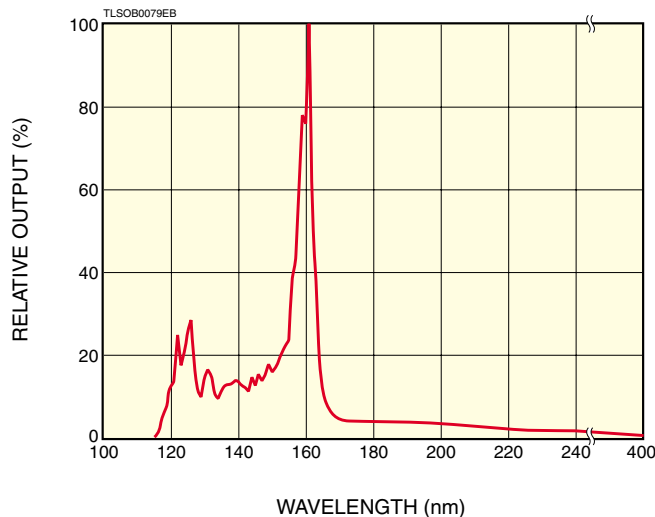
② The life end is defined as the time when the radiant output falls to 50 % of its initial value. Operating life depends on environmental conditions (vacuum atmosphere).

●VACUUM FLANGE

Parameter	E3444	E3444-01	E3444-02
Sealing Method	O-Ring		
Flange	Regular	JIS VF50	ICF114
Mount Flange	—	JIS VG50	ICF114
Sealing Force Retention	1.33×10^{-4} Pa L/s or Less (1×10^{-6} Torr L/s)		

SPECTRAL DISTRIBUTION

(VUV region; for reference only)



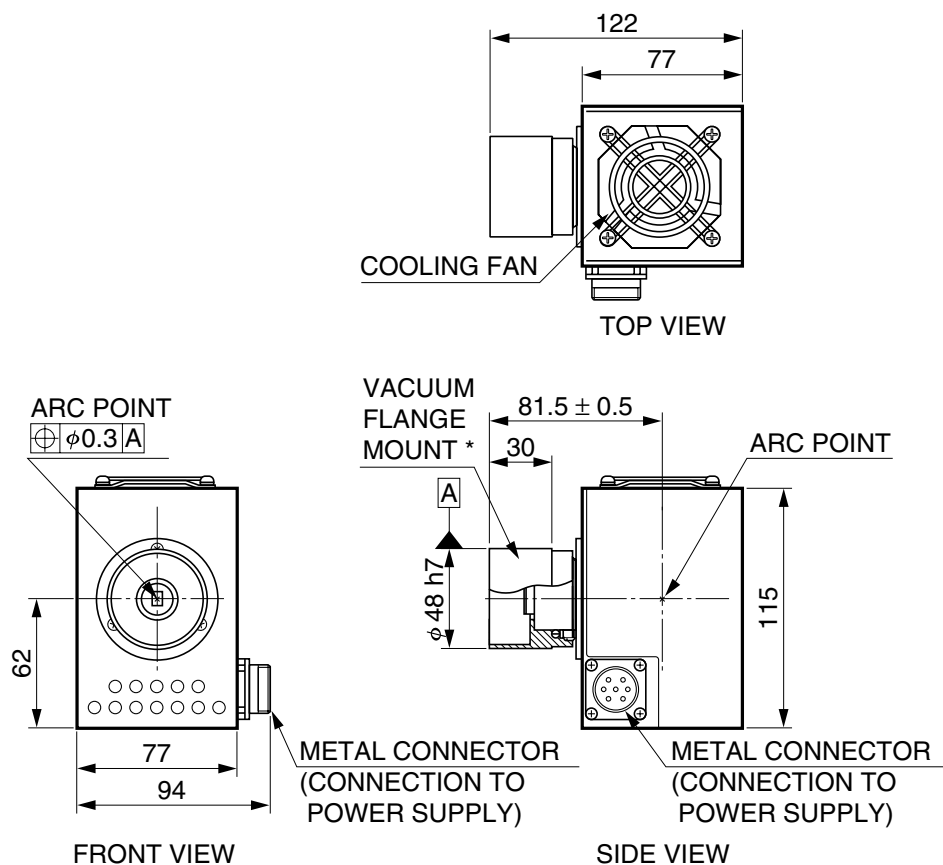
REPLACE LAMP SOURCE

Type No.	Light Source	Vacuum Flange
L10388	○	—
L10388-10	○	○(E3444)
L10388-11	○	○(E3444-01)
L10388-12	○	○(E3444-02)

DIMENSIONAL OUTLINES (Unit: mm)

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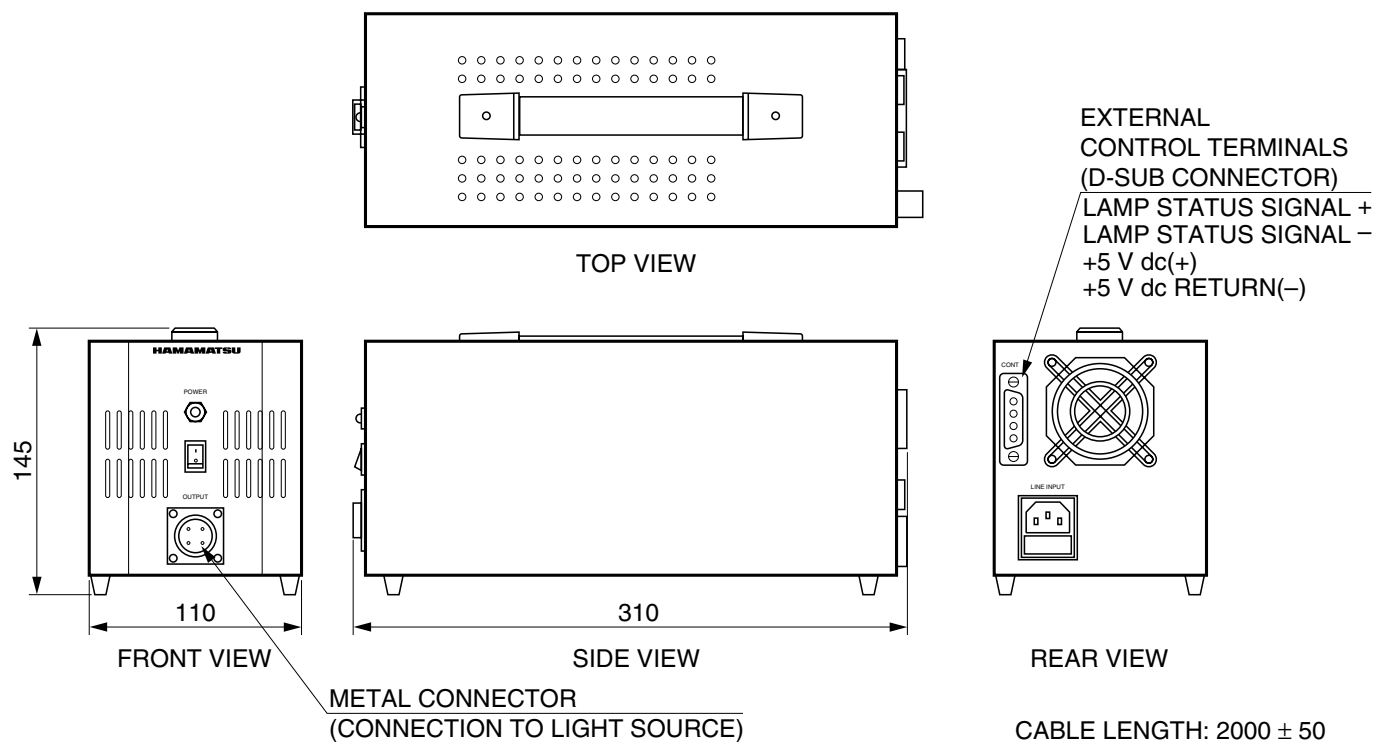
LIGHT SOURCE (Weight: Approx. 1 kg)



* Sealing Force Retention 1.33×10^{-4} Pa L/S or Less (1×10^{-6} Torr L/S)

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POWER SUPPLY (Weight: Approx. 2.8 kg)



CABLE LENGTH: 2000 ± 50

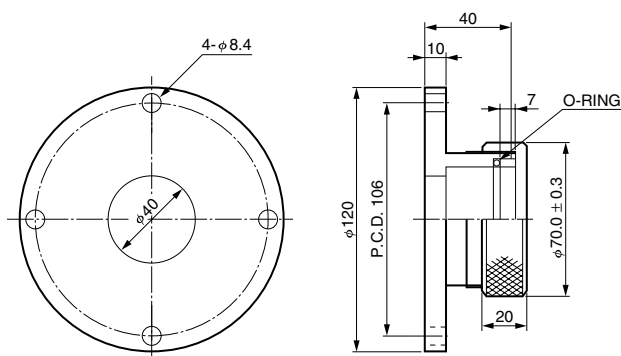
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DIMENSIONAL OUTLINES (Unit: mm)

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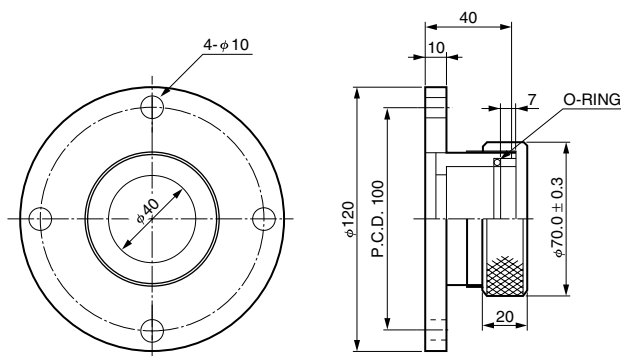
VACUUM FLANGE

E3444



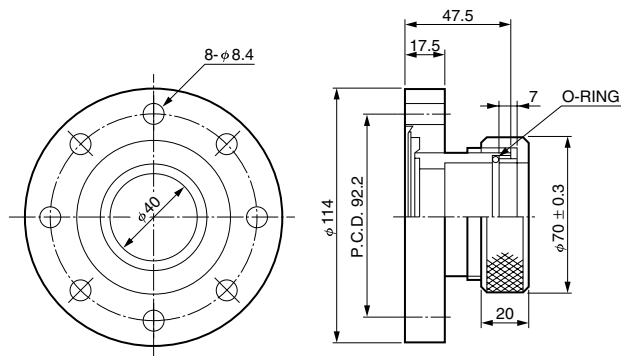
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E3444-01



TLSOA0098EA

E3444-02



TLSOA0053EB

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