



Electro Optical Components, Inc.

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Steady-State IR Source Unit

Turnkey, Handy IR source unit



Characteristics

- Power tunable
- Easy to attach filters
- Broadband emission (w/o: VIS to LWIR)
- Long life (30,000 hours)
- 1/4 screw fitting hole

All in one type: IRSU-001-AX series

- Steady-state IR source unit using our in-house IR source (IRS-001C).
- With 100~240VAC 50/60 Hz power supply, and filter holder for windows and filters about $\phi 1$ inch. (Standard type has a holder without a window)
- Recommended for those who want an easily used high power infrared source.



Best for EXPERIMENT and RESERCH

Contamination inspection

Spectroscopy

Gas analysis

【Custom: window, filters】

We could provide optical windows or filters together depending on your requests.

Ex) Ge (DLC/AR 8-14um), Si (AR/AR 3-5um), Sapphire, optical filters etc..

Small headed Separate type: IRSU-001-BX series

The IR source unit is separated from the controller. Convenient for using at small spaces than the IRSU-001-AX.

*L x W x H 83 x 49 x 54 mm

*1/4 screw fitting hole in the light source part.



■ Product specification (IRSU-001-XX)

Max. Filament Temp.	850~950°C (1023~1123K, @5V approximately)
Emissivity	0.7 (typical)
Lifetime	30,000 hours (in open air, CW operation at 5.0V)
Envelope Size	W68xD106xH55mm
Acceptable Filter	D25~25.4mm / thickness <3.2mm
Power Supply	100~240VAC, 50/60Hz, 0.3A (with adapter) or 5VDC-2A (direct input)



*please use change adapter from 2 pin A type to your country's suitable plug.

◆ **IRS-001C series** : We can sell IR source as single unit too

■ Product specification (IRS-001C, IRS-001C-01CR)

	IRS-001C (with a reflecting mirror)	IRS-001C-01CR (filament on stem)
Image		
Size		
Max. Filament Temp.	850~950°C (1023~1123K, @5V approximately)	
Max. Input Voltage	5V	
Emissivity	0.7 (typical)	
Max. Input Current	1.6A	
Max. Envelope Temp.	150°C	—
Lifetime	30,000 hours (in open air, CW operation at 5.0V)	