

172nm BARRIER DISCHARGE LAMP SYSTEM

Model no : Lumen-Ex-172

SPECIFICATIONS

EXCIMER LAMP

Parameter		Description / Value
Rating		180 W
Emission wavelength		172 nm
Irradiance	Typ.	65 mW/cm ²
Lamp design life		2000 h
Operating / storage temperature range		+5 °C to +35 °C / -25 °C to +55 °C
Operating / storage humidity range		30 % to 80 % / below 80 % (no condensation)
Weight		220 g

LAMP HOUSE FOR EXCIMER LAMP

Parameter		Description / Value
Irradiation area (W × H)		400 mm × 38 mm
Cooling method		Forced-air cooling by duct
Duct suction air flow rate		0.35 m ³ /min ± 0.08 m ³ /min
Operating / storage temperature range		+5 °C to +35 °C / -25 °C to +55 °C
Operating / storage humidity range		30 % to 80 % / below 80 % (no condensation)
Weight		10.3 kg

POWER SUPPLY FOR EXCIMER LAMP

Parameter		Description / Value
Input voltage (AC)		200 V to 240 V, single phase 50 Hz / 60 Hz
Oscillation frequency		Approx. 2 MHz
RF output power		180 W
Power consumption	Typ.	320 VA
	Max.	600 VA
Operating / storage temperature range		+5 °C to +35 °C / -25 °C to +55 °C
Operating / storage humidity range		10 % to 80 % / below 80 % (no condensation)
Control method		Panel control / external control
Weight		12.4 kg
Parameter		Description / Value
Applicable standards	EMC standard	IEC61326-1: 2013 Group 2 Class A
	Safety standards	IEC61010-1: 2010
		IEC62471: 2008 Risk Group 2
	Environmental standards	RoHS directive
WEEE directive		

CONTROL ITEMS

[Panel control]

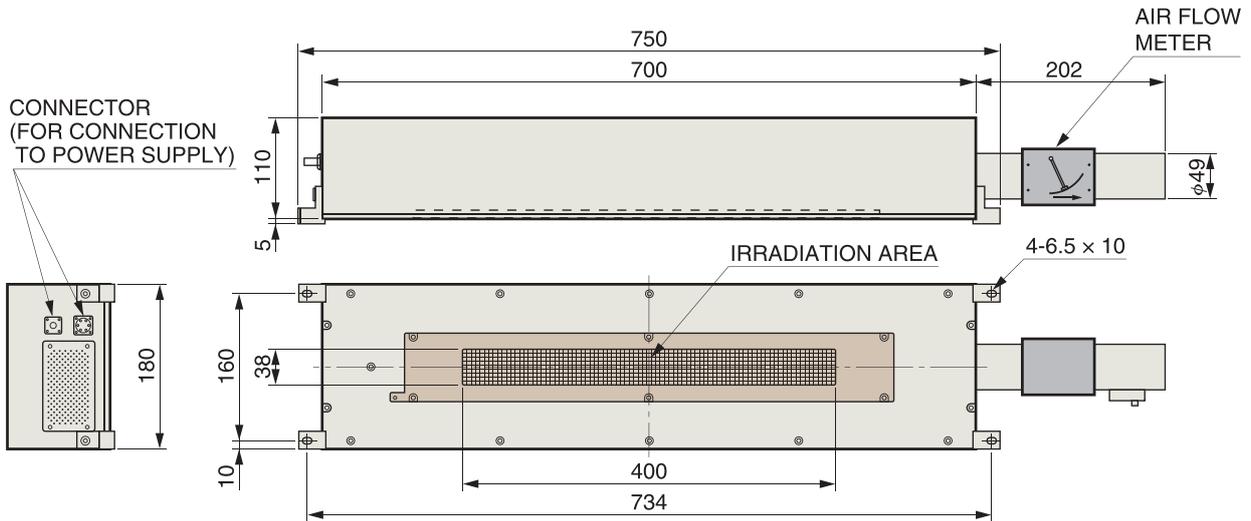
- Lamp ON / OFF
- Total lamp ON time display and reset
- Irradiation signal
- Various error signals, life warning signal
- Internal control / external control switching

[External control]

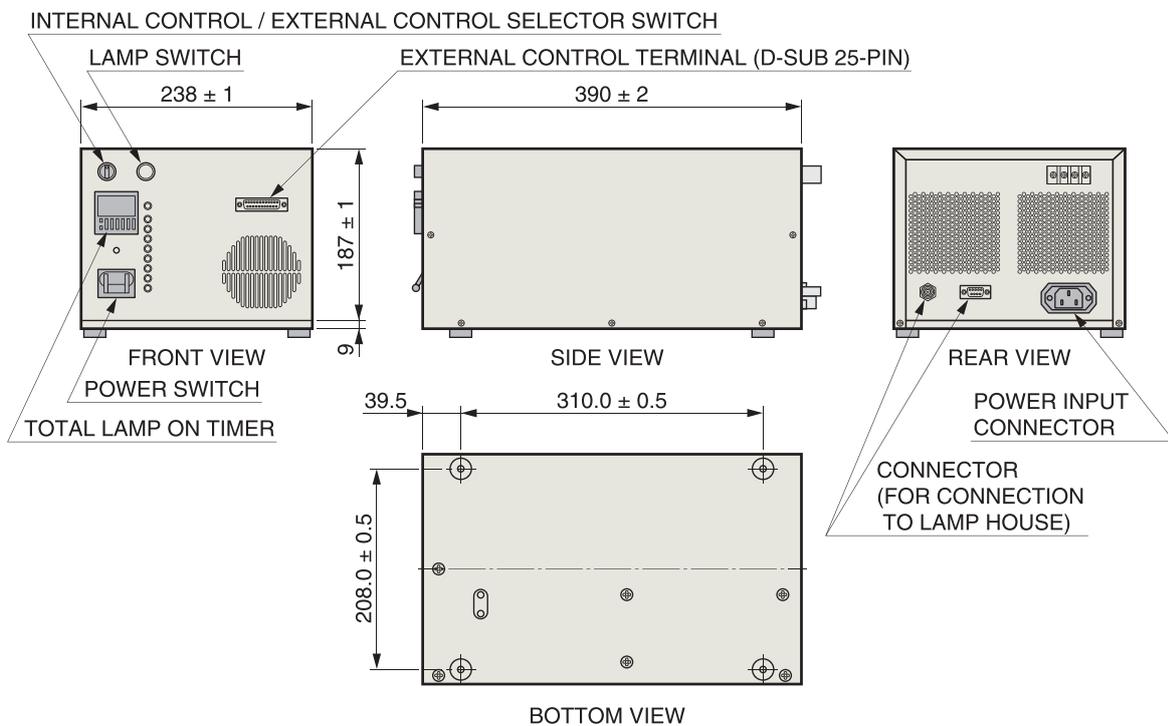
- Lamp ON / OFF
- Total lamp ON time display and reset
- Irradiation signal
- Various error signals, life warning signal
- Interlock

DIMENSIONAL OUTLINE (Unit: mm)

● LAMP HOUSE FOR EXCIMER LAMP



● POWER SUPPLY FOR EXCIMER LAMP



Accessories

- Lamp house cable (5 m) Output cable (5 m) Power cable (5 m)
- External control connector (D-sub 25-pin)