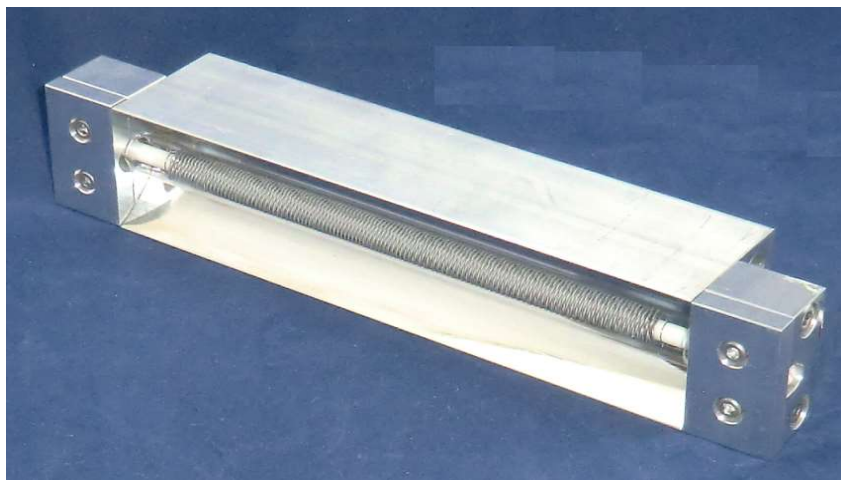


FAST HEATING

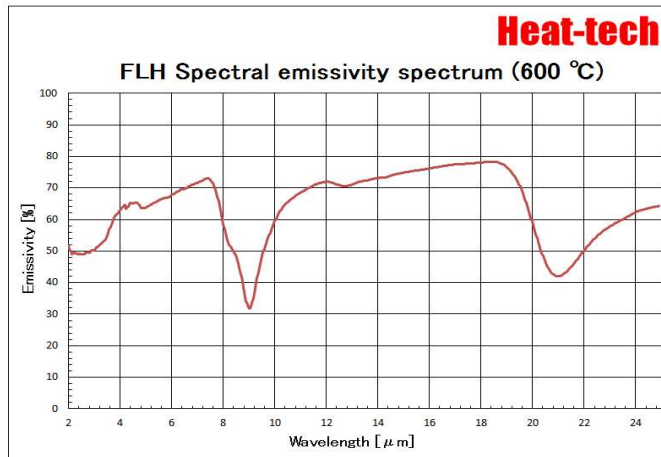
Far-infrared Line Heater

FLH-35 Series

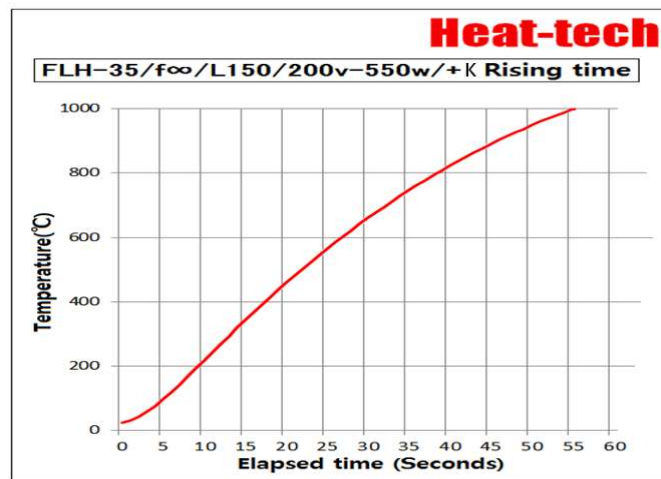


- ◆ Rising is early, so heating time can be reduced.
- ◆ Highly precise temperature control can be done.
- ◆ Frequency management of heating element can be done.
- ◆ This is a far-infrared radiation, so this is good at heating of glass.
- ◆ Ultra-compact.
- ◆ Clean.
- ◆ When this is lined up, plane heating can be done.

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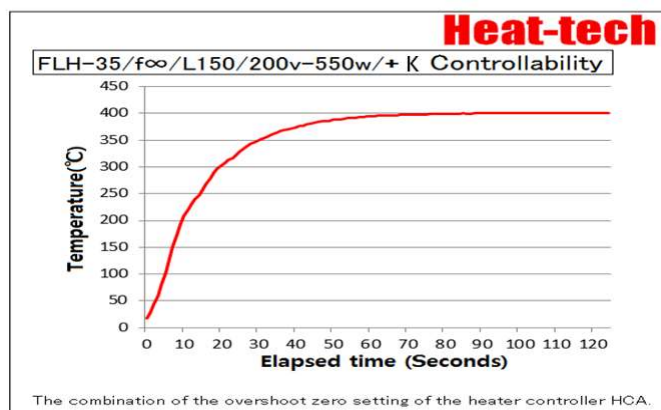


◆ Rising is early, so heating time can be reduced.



◆ Highly precise temperature control can be done.

Since thermocouple built-in, user can adjust freely the temperature of the heating element.



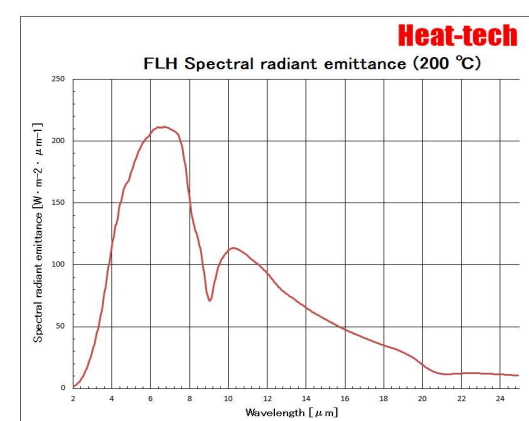
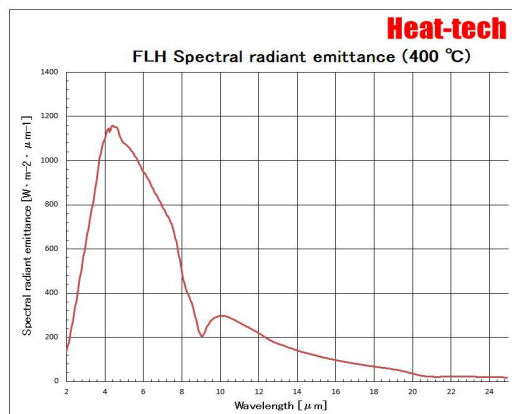
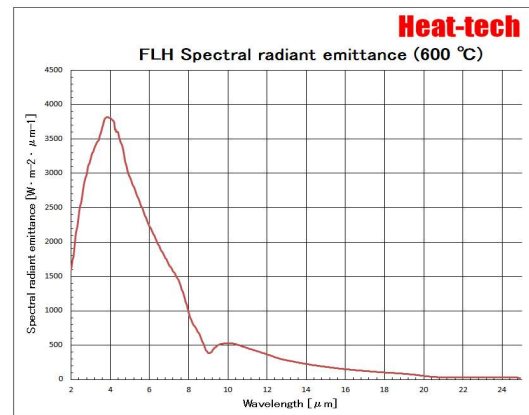
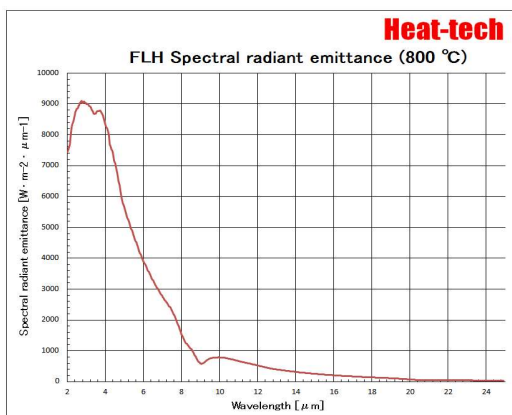
◆ **Frequency management of heating element can be done.**

By adjusting the temperature of the heating element, it is possible to manage the far-infrared rays of the peak frequ

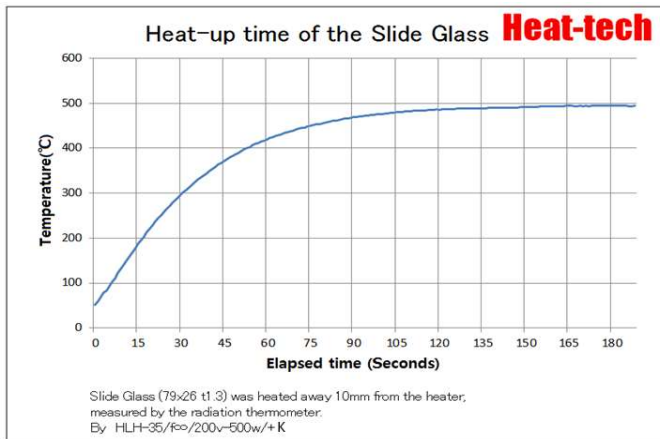
Black body radiation energy

Temp.	Peak wavelength
800°C	2.70 μm
700°C	2.98 μm
600°C	3.32 μm
500°C	3.75 μm
400°C	4.31 μm
300°C	5.06 μm
200°C	6.13 μm
100°C	7.77 μm

✂ It also reduces the transfer (radiation) energy and lower the temperature.



◆ **This is a far-infrared radiation, so this is good at heating of glass.**



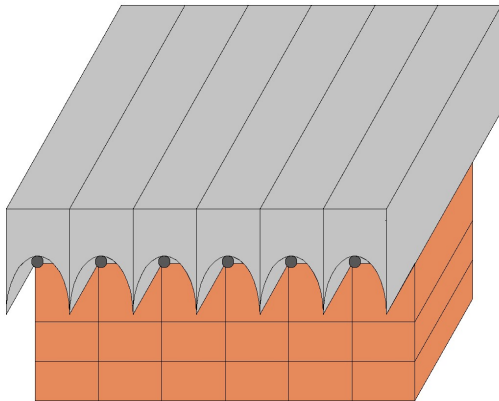
◆ **Ultra-compact.**

It is a very small. Height 36mm x Width 35mm x Length 50~316mm.
It can be installed in the gap of the machine.

◆ **Clean.**

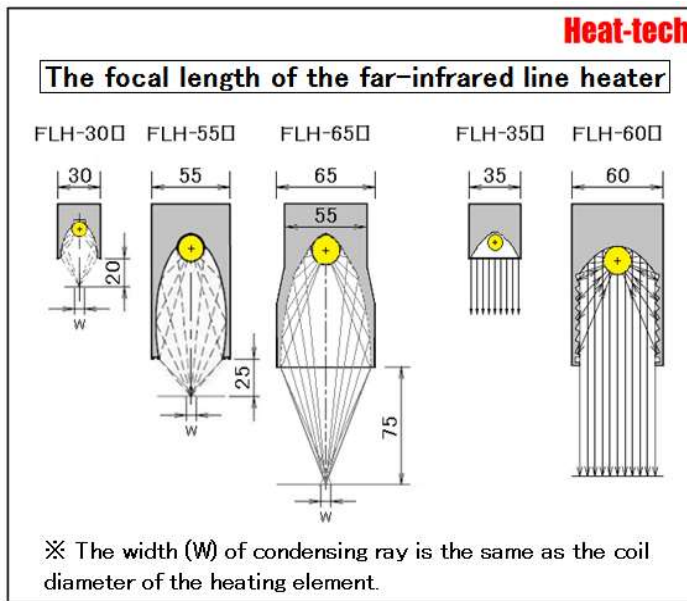
It's medium-less by non-contact heating, so it can be heated very cleanly.

◆ **When this is lined up, plane heating can be done.**



So width 35mm, user can side-by-side use and surface heating.
User can achieve uniform far-infrared plane heating.

【 Focal length 】



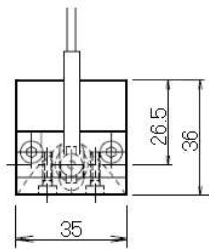
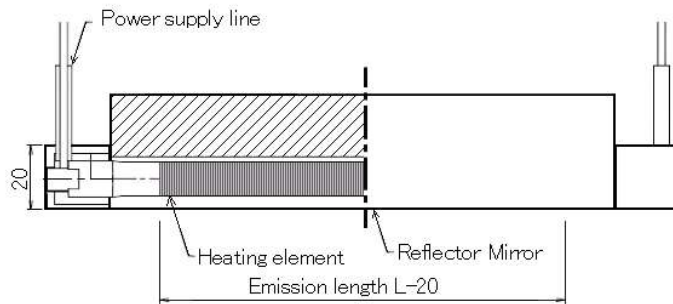
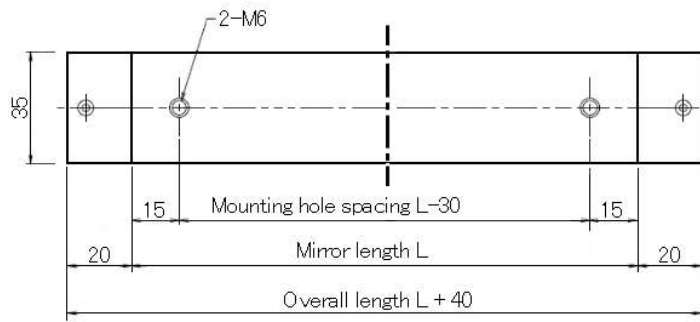
【 Models Variation 】

Model	Optical axis	Parallel beam width	Focal length	Cooling system	Power	Mirror length
FLH-35	Parallel	35mm	∞	Natural dissipation	150w~1kw	50~316mm
FLH-35A				Air cooling	325w~1.3kw	82~316mm
FLH-35W				Water-cooled	325w~1.3kw	82~316mm

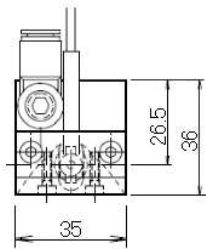
【 Models constitution 】

(Example) FLH-35A/f∞/L150/220v-650w/+K/P3m•K3m

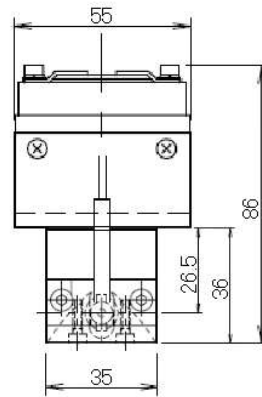
基本型號	鏡寬	冷卻	焦点距離	鏡長	電壓	電力	內置熱電偶	電源線	熱電偶線	詳細說明
FLH-	35	□	/f∞	/L□	/□v-	□w	/+K	/P□m	K□m	遠紅外線 線型加熱器 平行光型
		沒								自然散熱
		A								風冷
		W								水冷
				50						鏡淨長60mm
				82						鏡淨長82mm
				150						鏡淨長150mm
				316						鏡淨長316mm
				指定長						鏡淨長 指定長度
					110v					加熱器電壓 110v
					220v					加熱器電壓 220v
					指定值					加熱器電壓 指定電壓
						指定值				加熱器電力 指定電力
							沒			
							K			K型熱電偶
								沒		
								指定長		電力線規定的長度
									沒	
									指定長	熱電偶補償導線指定導線長度



Natural cooling type
(FLH-35)



Water-cooled type
(FLH-35W)



Air-cooled type
(FLH-35A)

【 Option & Special order 】

K thermocouple built-in

Specified voltage

Specified power.

Specified heat element length

Specified mirror length

Specified power supply line

Specified thermocouple wires

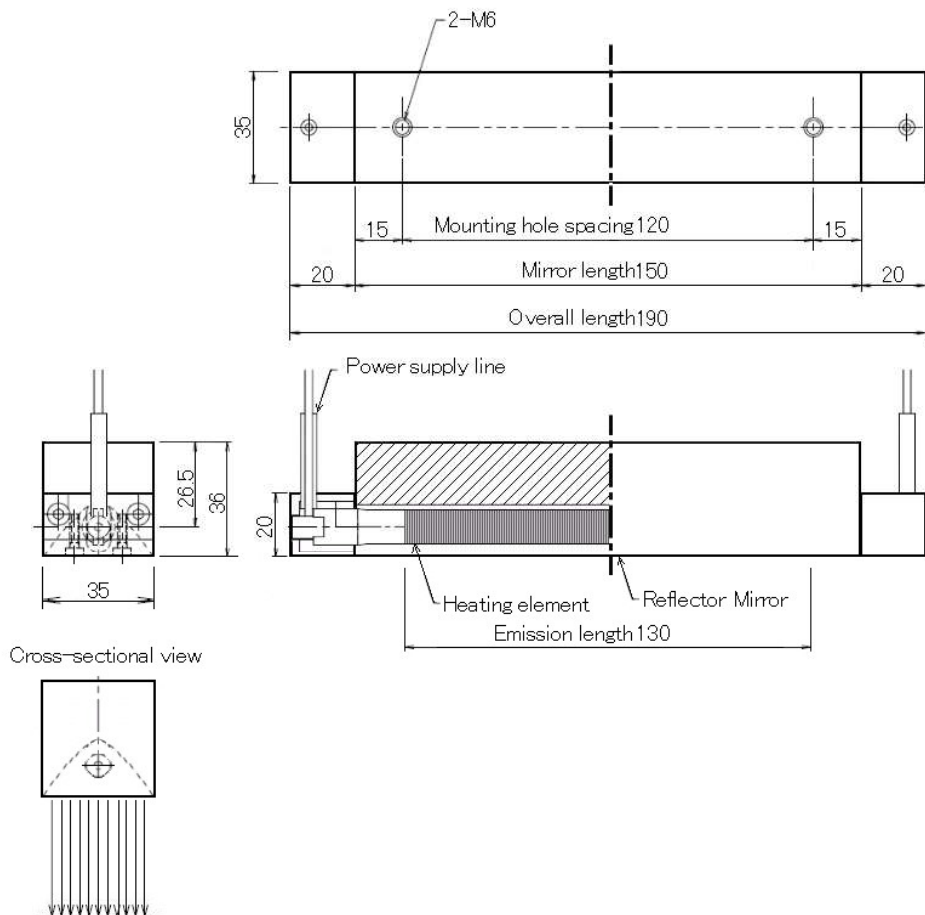
Specified cooling system

Type	Semi-standard		Standard			
Focus	f ∞ (Parallel Beam)					
Cooling	Natural heat dissipation			A/W	ND	A/W
Mirror length	50		82		150	
Voltage	110v	220v	110v	220v	220v	
Power	150w		300w		550w	1.3kw
D/#	FLH-35□/f ∞ /L□/□v-□w/+(Option K-T/C)					
Model	Far-infrared line heater					

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【 Natural cooling type 】



【 Option & Special order 】

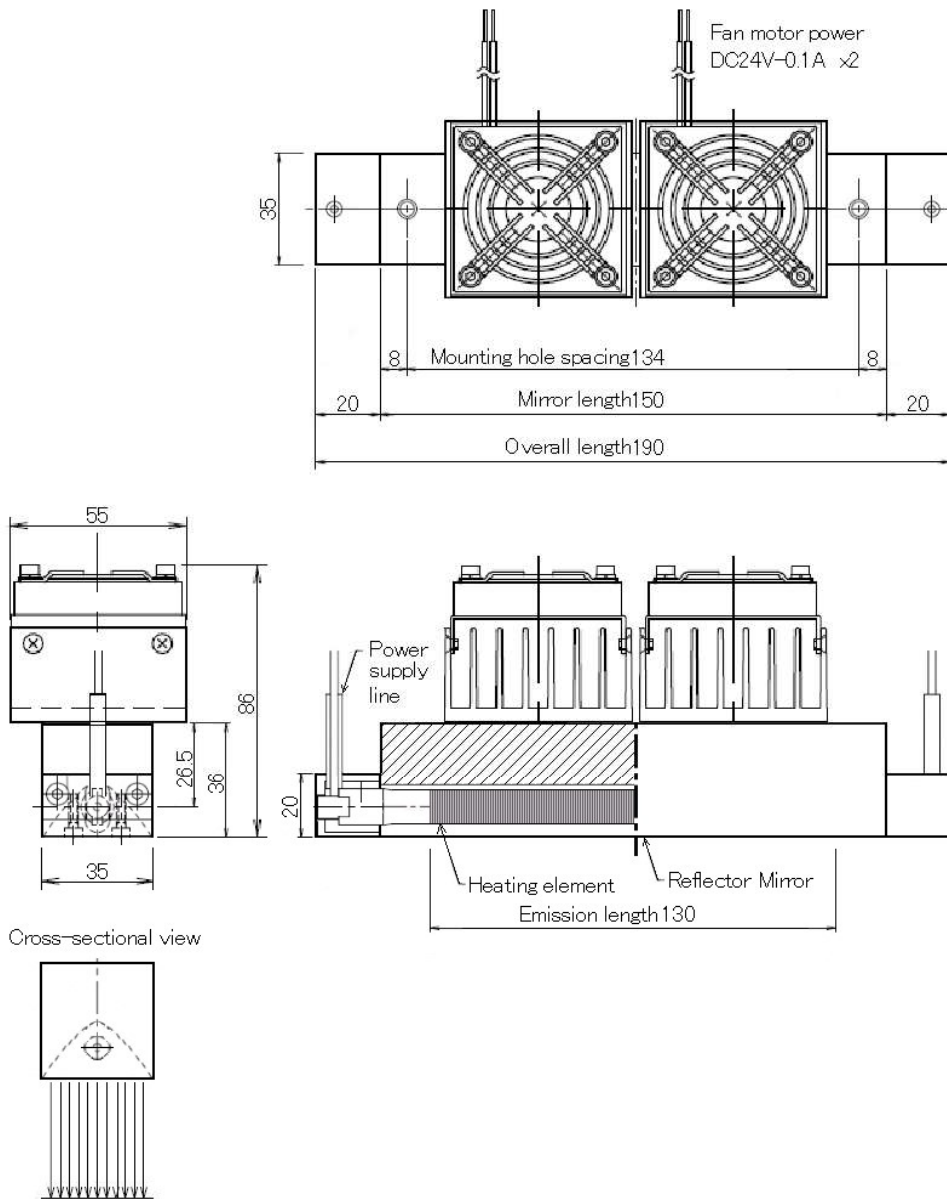
- K thermocouple built-in
- Specified power supply line
- Specified thermocouple wires

Type	Standard
Focus	$f\infty$
Cooling	Natural heat dissipation
Mirror length	150
Voltage	220v
Power	550w
D/#	FLH-35/ $f\infty$ /L150/220v-550w/+(Option K-T/C)
Model	Far-infrared line heater

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【 Air-cooled type 】



【 Option & Special order 】

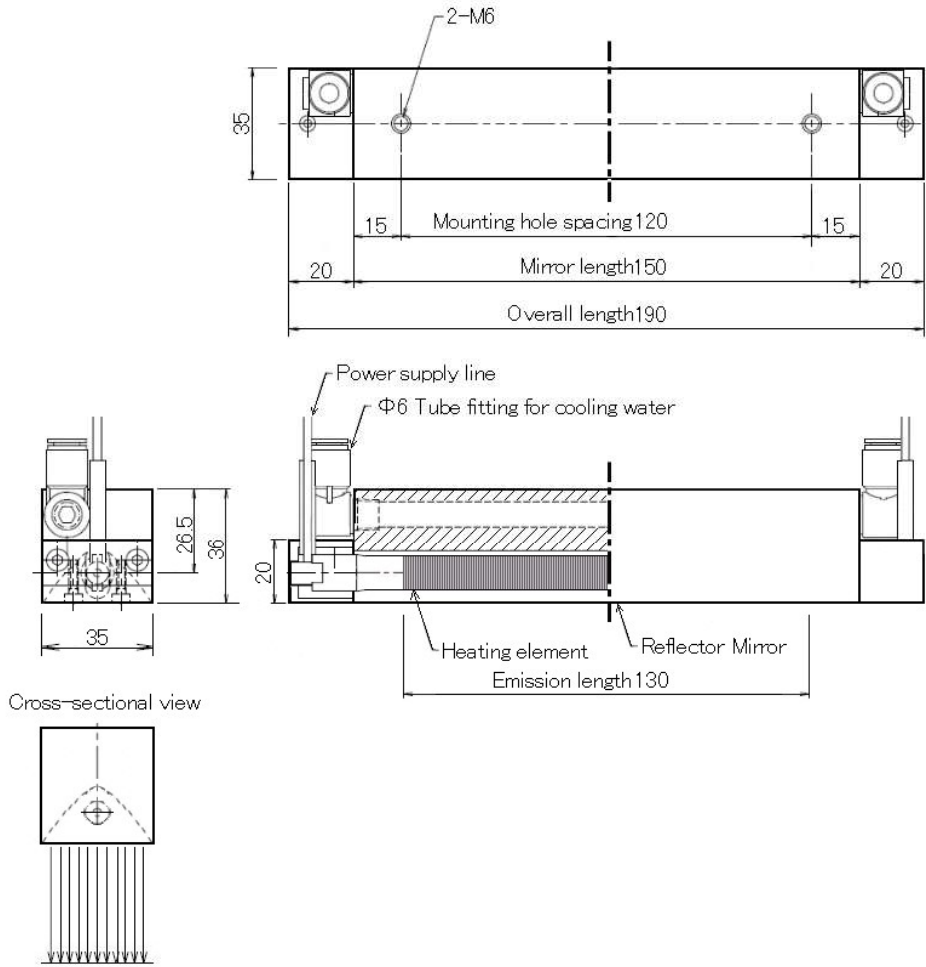
- K thermocouple built-in
- Specified power supply line
- Specified thermocouple wires

Type	Standard
Focus	$f\infty$
Cooling	Air-cooled
Mirror length	150
Voltage	220v
Power	650w
D/#	FLH-35A/ $f\infty$ /L150/220v-650w/+(Option K-T/C)
Model	Far-infrared line heater

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【 Water-cooled type 】



【 Option & Special order 】

K thermocouple built-in
 Specified power supply line
 Specified thermocouple wires

Type	Standard
Focus	∞
Cooling	Water-cooled
Mirror length	150
Voltage	220v
Power	650w
D/#	FLH-35W/∞/L150/220v-650w/(Option K-T/C)
Model	Far-infrared line heater

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No-touch High Temperatures Hating

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<https://heater.heat-tech.biz/>

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