

INFRARED LAMP- SHORT WAVELENGTH

Advantages :

Instantaneous heating : maximum power one second after the lighting.
 High density for a small bulk.
 Long-life : about 5000h on average

Applications :

Drying of painting, serigraphy, thermoforage...

Description :

- Coiled heating filament, integrated in a quartz tube and which is lying in a complex halogen gas. Thanks to this gas the tube does not lose its quality of emission.
- Quartz which is very resisting from thermic shock.
- Heating filament perfectly centered thanks to spikes on both sides.
- Connections : two models :
 - Metallic strips which can be mounted to be integrated in your installation.
 - Insulated FEP leads (Tmax :200°C) mounted on ceramic blocks, provided with cable lug.
- Tension : 235 V ou 400 V mono, selon modèle. (Voir tableau).

Nota : according to models, some lamps can only be set up horizontally and other in all the positions. See the table " emitter incline angle ".



- Some lamps are provided from a reflector on the tube which allows to limit the radiation on the back and to direct towards the piece to heat. (see the table)



Thermic characteristics :

- wavelength range : from 0.6 to 2.8µm.
- temperature of filament and wavelength which fits with the maximum energy wavelength :

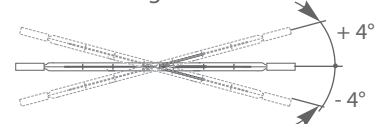
P (W)	Temperature (°K)	max.wavelength	% P emitted
500	2400 - 2500	1.1 to 1.2 µm	89 to 94%
1000	2400	1.2 µm	89%
2000 - 3000	2400 - 2700	1 to 1.2 µm	89 to 100%

Lamp with ceramic cap		P (W)	U (V)	HI (mm)	TI (mm)	Reflect.	In stock
<p>Leads : 210 ± 10 mm</p> <p>Legend : HI : Heating length TI: Total length</p>	500	235	165	226	with	AJ3169Z/98	
	1000	235	272	352	with	AJ13713Z/98	
	2000	235	280	352	with	AJ3168Z/98	
Lamp with metal strips		P (W)	U (V)	HI (mm)	G (mm)	Reflect.	In stock
<p>Legend : HI : Heating length G : Gap</p>	1000	235	272	370	no	AJ3195X	
	2000	235	280	370	no	AJ3168X	
		400	410	508	yes	AJ3765X	
	3000	400	700	798	no	AJ3230X	
					yes	AJ3230X/98	

Emitter incline angle :

-according to the model, the lamps can be set up either : horizontal/ universal (see table)

- horizontal position allows a maximum angle of + or - 4°



Horizontal	Universal
AJ3169Z/98	AJ3168X
AJ3195X	AJ3765X
AJ3195X/98	AJ3765X/98
AJ3195Z/98	AJ3230X
AJ3245X/98	AJ3230X/98
(see sketch)	AJ3713Z/98
	AJ3168Z/98

Using recommendation

- Do not touch or maintain the tube in your hands. Risk that the tube explodes during the lighting of the lamp.
- Prevent the lamps from all types of projection which imply irreversible damages.
- You must provide the electric installation : the appeal current is particularly important during the lighting. The current can be 13 or 17 times bigger than the nominal intensity.

The characteristics of our products are given for information only. We reserve the right to modify them in accordance with the technical evolution.