



Item codes: **EL13070 - EL13071**

SPECIAL and CALOR LAMPS

Ultraviolet (UV) and Infraray (IR) lamps

User manual

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ULTRAVIOLET (UV) AND INFRAREY (IR) LAMP MOD. SPECIAL & CALOR

INSTRUCTIONS FOR USE OF THE LAMP

1. Adjust the lamp to the most suitable position for exposure to rays;
2. Switch on the lamp choosing the emission rays required (UV + IR or only IR)
3. After the machine has turned on, wait 2/3 minutes, before initiating exposure so the generator have enough time to reach the necessary intensity
4. After the lamp is turned off it is necessary to wait until the quartz generator has cooled (5 min. ca.), before turning on again
5. The distance for exposure of the UV rays varies from 50 to 100 cm., according to the individual skin sensibility
6. Slightly decrease the distance for subjects with resistant skin.
During the exposure to rays, keep eyes well protected with the appropriate glasses to avoid inflammations
7. The exposure to UV + IR rays must be progressive, starting with one minute and not exceeding 12 minutes, but after at least 10 or 12 applications. Keeping in mind that reactions vary from skin to skin, follow the times indicated in the chart
8. The exposure to IR rays must be progressive too, starting with a minimum of 3 minutes and not exceeding 12 min.
9. If subject experience a reaction to UV rays (redness, burning, etc.), follow the minimum times (1/2 minutes) for the first 3 or 4 treatments
10. Keep in mind that the reaction to the UV rays is evident after 6 hours, therefore following minimum times for the first treatment and subsequently regulate the times of exposure according to the first reaction

SPECIAL WARNINGS AND USE RESTRICTIONS



WARNING

- Wait 2/3 minutes before initiating exposure so the generators have enough time to reach the necessary intensity;
- Do not use from a distance of less than 50 cm;
- The exposure to UV rays must be progressive, starting with one minute and not exceeding 12 minutes., but after at least 10 or 12 applications;
- During the exposure to rays, keep eyes well protected with the appropriate glasses to avoid inflammations.



REMEMBER

- The lamp has a double circuit and so it is possible to use UV and IR rays separately, also with possibilities for combined treatments (UV and IR)

TECHNICAL CHARACTERISTICS

- Absorbed power : 550 W.
- UV: 150 W.
- IR: 400W (Calor Lamp) IR 550 W (Special Lamp)
- Feeding : 230 W. 50 / 60 Hz
- UV emission : High percentage in the UV-A from 315/400 nanometers
 Low percentage in the UV-B and violet
- IR emission : IR-A (760/1.500 nanometers) : 79 %
 IR-B (1.500/3.000 nanometers): 8%
 IR-C (3.000 nanometers) : 1%
 Visible red : 12%
- Outside protection : n. 2 retarded fusibles 3,15 A
- Apparatus of Class: 1 Type B

TIMING FOR UV-IR RAYS EXPOSURE

In the following chart times for UV exposure after every single treatment considering different skin types :


	VERY SENSITIVE SKIN	NORMAL SKIN	RESISTANT SKIN
1 Treatment	1	1 1/2	2
2 Treatment	1 1/2	2	2
3 Treatment	2	2 1/2	3
4 Treatment	2	3	4
5 Treatment	3	3	5
6 Treatment	3	3	6
7 Treatment	3	4	7
8 Treatment	4	5	8
9 Treatment	4	5	9
10 Treatment	5	6	10
11 Treatment	5	7	11
12 Treatment	6	8	12
13 Treatment	6	8	12
14 Treatment	6	9	12
15 Treatment	6	9	12

APPENDIX - IMPORTANT WARNINGS :

Before turning-on the lamp :

- 1) Check if the connection is correct (grounding present and perfectly working), besides the presence of a differential of the high-sensitivity type switch;
- 2) Check whether the I.R circle on which inside is inserted the resistance, doesn't present anomalies of any kind (deformation, swelling, rupture or alteration of the circle), including also the non-uniform visual distribution or concentration of the radiation emitted along the circle.

In case one of these eventualities occurs, relating to the IR circle, the same, along with the resistance, must be necessarily replaced and will no longer be possible to use the lamp safely, both for the operator and for the user, until the replacement of a new IR generator.

	<p>WARNING</p> <p>As it concerns the use of the lamp, you must keep in mind that you cannot continuously use the same lamp and after two treatments must follow a short cooling phase.</p>
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FUNCTIONING CYCLE AND COOLING MODE :

The lamps are programmed to follow below ' Functioning cycle and cooling mode '

FUNCTIONING TIME (Device turned on- General operating switch turned into 'on' position)	COOLING TIME (Device must be switched off)
Maximum until 30 Minutes	15 Minutes

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Please note:

Before contacting the Service Center, please identify the "SERIAL NUMBER" in the product label attached to the equipment (see facsimile above), or the transport document/invoice number. This will speed things up and improve service quality.

A piece of equipment that requires repairs at Chinesport's facilities must have an "AUTHORIZATION NUMBER" on the shipment packaging. This number must be requested from Technical Support and will speed things up and improve service quality.