



Manual de uso y mantenimiento

Operation and Maintenance Manual

MOD. L21-25R

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







1. - INTRODUCTION




We would like to thank you for the trust you have placed in **ORDISI, S.A.** when you purchased a lamp from the **L21-25** range. Your lamp model **L21-25**, has specially designed for a recognition, for any medical specialty, but mainly in places where a total absence of calorific radiation is required, conserving very good quality of light.

Please read this manual carefully in order to ensure many years of trouble free use. If you have any requires about your **L21-25**, please contact your nearest ORDISI distributor or contact us to our head office directly:

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2. - SYMBOLS AND ICONS USED IN THE PACKAGING

SYMBOL	MEANING
	SERIAL NUMBER
	PRODUCT NAME
	MANUFACTURER ADDRESS
	CE MARKING
	YEAR OF MANUFACTURE
	RECYCLE
	SEE THE USER'S GUIDE
1x2A/250 	FUSE CAPACITY

	CAUTION
	GROUNDING
	TEMPERATURE RANGE OF STORAGE AND TRANSPORT

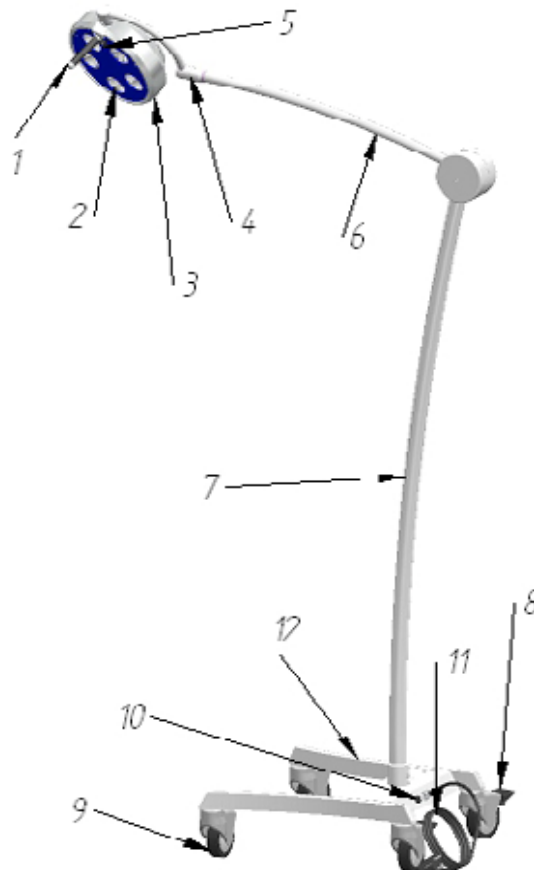
3. - MANUFACTURER'S LIABILITIES

ORDISI, S.A. is responsible to whatever is related to the equipment safety, reliability and operation but only if:

- Installation is carried out in strict accordance with this manual.
- The readjustment or repair operations are carried out by persons and/or representative companies authorized by ORDISI, S.A.
- The electrical installation of the corresponding premises complies with the C.E.I. (U.N.E.) and with the Low Voltage Regulation.
- The equipment is operated in accordance with the instructions in this manual.
- The accessories and consumables that must be replaced periodically are original accessories and consumables and/or approved and authorized by ORDISI, S.A.

4.- PARTS DESCRIPTION

1. Handle
2. LED's module
3. Headlight
4. Yoke
5. Switch
6. Moving arm
7. Support pole
8. Wheel with brake
9. Wheel
10. Fuse network
11. Cable Network
12. Wheel base.



5. - INSTALLATION

5.1. - UNPACKING

If upon receiving the equipment you notice that its packaging is deteriorated, check that the lamp has not been affected. If so, notify the sender immediately.

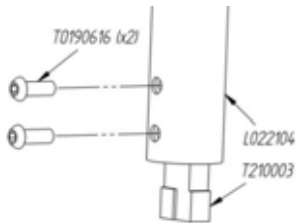
Illustration 1. - Parts of the L21-25R lamp.

5.2. - MOUNTING

5.2.1. - MOUNTING THE LAMP

For assembly the lamp, follow these instructions (see illustration 2 and 3):

1. Assemble the support pole No. 7 with the wheel base No. 12, joining the electrical connectors, hold the tube by screw no. 16.



IMPORTANT: This step must be carried out carefully so that the cables are well positioned inside tube (No. 7).

2. Assemble the headlight no. 3 with the moving arm no. 6, for this you must first loosen the screws no. 13 that are already assembled, assemble the fork and retighten them depending on the smoothness you want.



Illustration 2. – Wheel base assembly

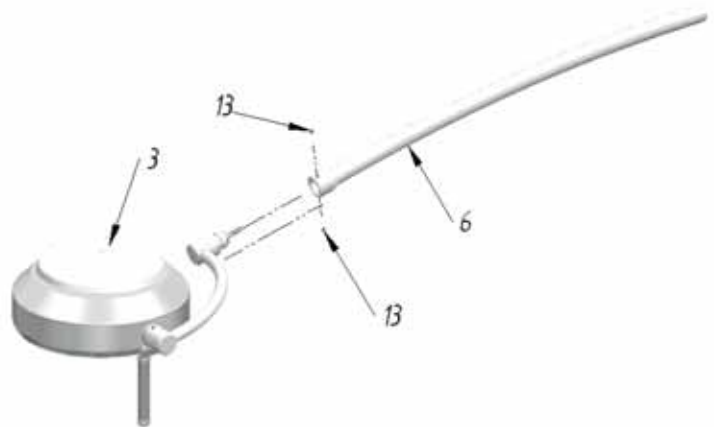


Illustration 3. – Headlight and Fork assembly

5.2.2. - ELECTRICAL INSTALLATION

The electrical installation of the room where the equipment is going to be used must comply with the UNE (CEI) standards, as well as with the Low Voltage Regulations.

The socket base where the equipment is connected must be suitable for plugs according to the UNE 20.315 and/or DIN 49.441 standard with 4.8 mm terminals and lateral earth connection.

WARNING: To avoid the risk of electric shock, this equipment must only be connected to a mains supply with a protective earth connection.

5.3. - TURNING ON THE LAMP

1. Position the lamp in the most suitable place and immobilize it by means of the brakes of the wheels no. 8
2. Start the lamp by means of switch no. 5.
3. To change the position of the lamp, do it by means of handle no. 1. Carry out movements smoothly, avoiding suddenness.
4. If you have to move the lamp, never do it by means of the handle. Push the lamp by means of the support bar n° 7. When transporting the lamp, always do so with the arm folded, never with the arm fully stretched. In this way you will avoid hitting the headlight and will make it easier for you to move.

5. The equipment must be positioned in such a way that it is easy to access the plug to disconnect the equipment from the network.

5.4. - RECOMENDATIONS FOR USE

Move the lamp gently, avoiding sudden movements, looking for the angle that best suits the user.

If the lamp is not being used, do not keep it running, as in addition to uselessly wasting energy, the useful life of the bulb is considerably shortened and it unnecessarily overheats the dome.

This equipment is designed for use in a hospital or outpatient environment, therefore its use is reserved for specialized medical personnel, however special training is not required for its use.

Any serious incident must be reported to the competent authority of the member state in which the user and/or patient are established.

6. - CLEANING

Before carrying out any operation, make sure that the lamp is off.

The lamp must be cleaned regularly with a cloth moistened with water, taking care that it does not penetrate the interior of the lamp head. For persistent stains; e.g. blood, disinfectants, etc. you can use a little neutral soap. Do not use under any circumstances products that contain acetone.

Dry the lamp well before using it. If liquids have penetrated inside, you must wait the precise time until they evaporate.

The handle located in the dome is sterilisable by means of steam at a temperature of 121°C with an exposure time of 20 minutes.

7. - ADJUSTMENTS AND MAINTENANCE

The electrical diagrams can be requested by the maintenance services to help them in their work. Please, if necessary, contact your distributor and provide him with the model and serial number so that he can provide you with these diagrams.



IMPORTANT: Before carrying out any repair/maintenance operation on the lamp, you must first make sure that the equipment is isolated from the electrical network. To do this, the plug of the lamp must be unplugged from the mains socket.

7.1. - PERIODICAL CHECKS

Periodically, according to hospital procedures, the maintenance service should carry out the following checks:

1. Check the general working order of the lamp.
2. Check the mobility of the arm and cupola. See point 7.2.
3. Check the equipment is still earthed and is correctly connected.
4. Check its general state (of cleanliness, etc...).

7.2. – ADJUSTMENT OF THE ARM

Check the adjustment of the ball joints, both of the moving arm and fork and headlight. If necessary, proceed to adjust them, they should move effortlessly and stay in the desired position. Excessive tightening of the screws can block the movement. Adjust by means of screws no. 13, 14 and 15.

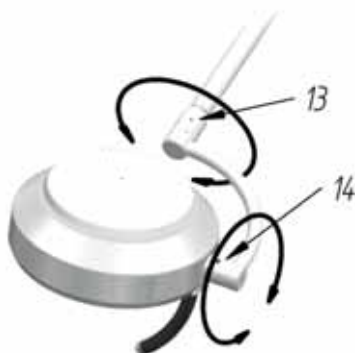


Illustration 4. – Headlight and fork adjustment.



Illustration 5. – Arm adjustment.

7.3. - CHANGE THE FUSES

If the switch is in the "ON" position and the lamp connected to the mains, but does not work, check the condition of the fuse by following these instructions:

- 1) Remove trim number 9.
- 2) Pull the fuse holder and remove the fuse.
- 3) If it is damaged, replace the fuse with one of the same characteristics (250VF2A).
- 4) Reassemble the fuse holder.
- 5) Mount trim no.9.

7.4. - CHANGE THE POWER CABLE



The operation of changing the power cable must be realized by authorized staff with electrical knowledge.

For changing the power cable:

1. Turn off the light and disconnect the power plug in from the electricity grid.
2. Open the cover of the mobile base.
3. Disconnect all the electrical terminals of the cable.
4. Unscrew the cable gland and take out the cable. Replace it with another original spare cable provided by ORDISI.
5. Connect again the electrical terminals, in the same order they were. Pay attention to the ground connection.
6. Close the cover of the mobile base.

The connection of the power cable is shown below:

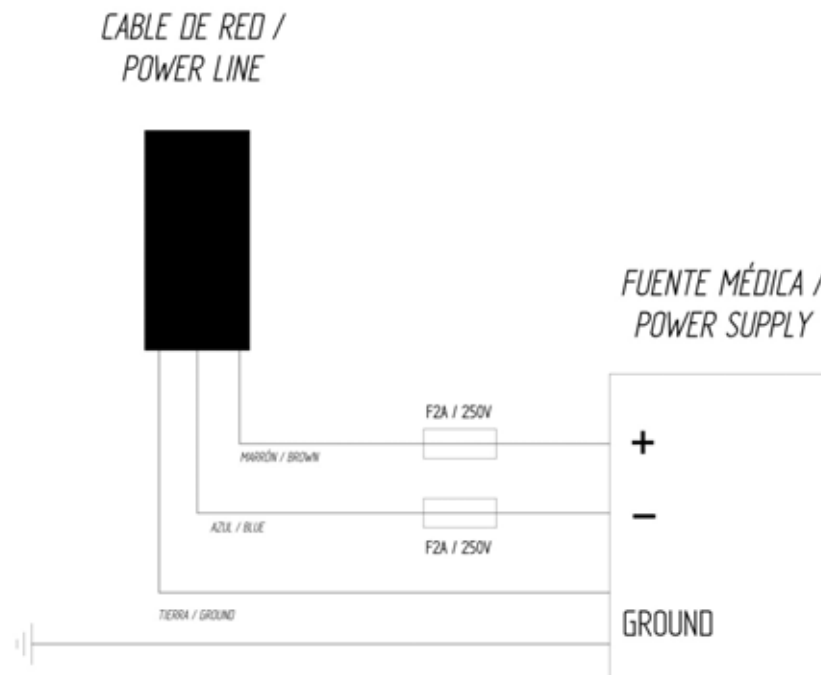


Illustration 6. - Electrical connection.

Pay attention to the ground connection in the mobile base:

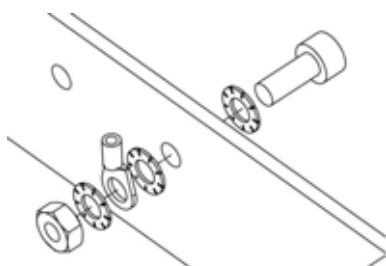


Illustration 7. Exploded view of ground connection.

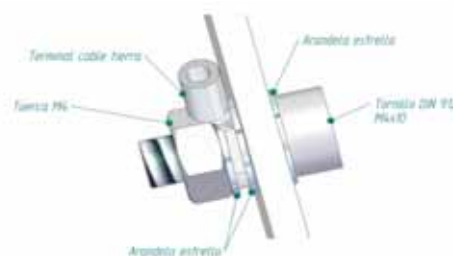


Illustration 8. Ground connection.

8.- ENVIRONMENTAL CONDITIONS

OPERATION		
	Min.	Max.
Temperature	10°C	30°C
Environmental humidity	30%	75%
TRANSPORT / STORAGE		
	Min.	Max.
Temperature	-10°C	50°C
Environmental humidity	20%	90%

9.- WASTE

The L21-25 lamp does not contain any dangerous product. All the components should be properly recycled at the end of their lifetime.

The electrical components must be recycled according to the proper procedure. The other components must be removed according to their composition.

10. - TECHNICAL CHARACTERISTICS

Electrical connection	100-240V 47-63Hz
Luminous intensity at 1m	50.000 lux (± 10%)
Luminous intensity at 0,5m	87.000 lux (±10%)
Ra	> 95
Colour temperature	5.000 °K (± 5%)
Power consumption	50 W / 11 VA
Headlight Voltage	12 V
Screen diameter	Ø 21,5 cm
Field diameter to 100cm	D10: Ø40 cm, D50: Ø20 cm
Light source	LED
Lifetime LED	60.000 h
Height of the lamp	200 cm
Colour	RAL 9002
Approximate Weight Lamp	12.5 Kg

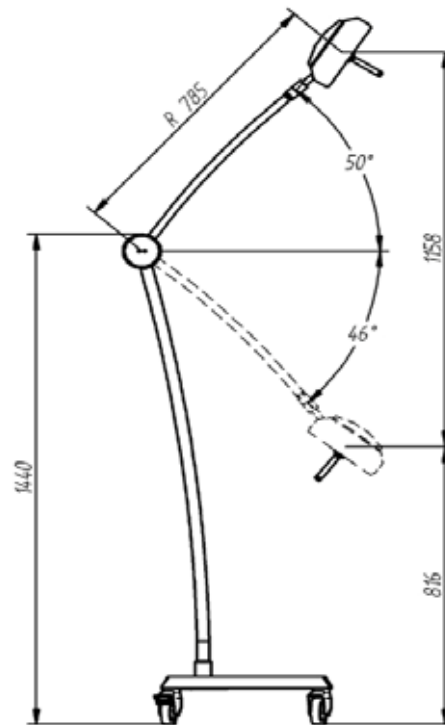
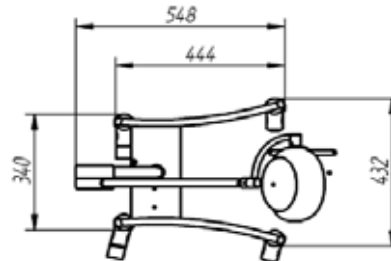


Illustration 9. Dimensions of L21-25R.



11. – OTHER MODELS AND WEIGHTS

MODEL	WEIGHT
L21-25R MOVABLE LAMP	12.5 kg
L21-25RE MOVABLE LAMP WITH EMERGENCY EQUIPMENT	20.5 kg
L21-25P WALL LAMP	7.5 kg
L21-25T CEILING LAMP	10.5 kg
L21-25TD CEILING LAMP WITH DOUBLE ARM	19.5 kg

