

LFM MEDICAL

Instructions for use



Instructions for use in your local language, please visit www.glamox.com

Figure 1.

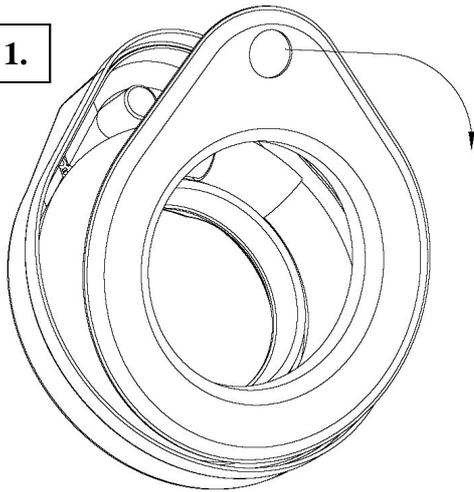
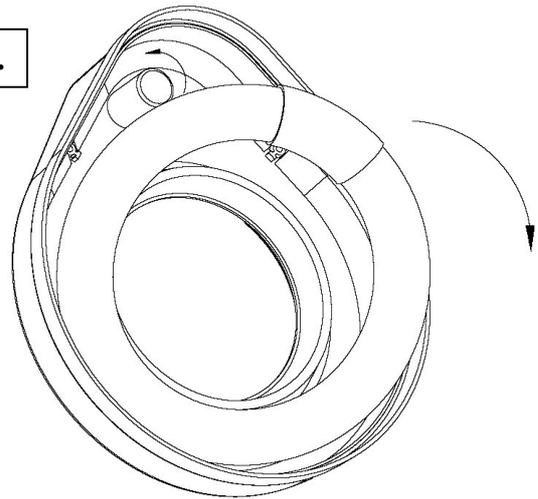


Figure 2.



The sun cover can be removed by bending the cover back.
Place the cover into the slots on top of the lamp head and gently pull the cover over the lens.

Keep away from sunlight. Lens could potentially become a burning glass

ENGLISH

Instructions for use - LFM MEDICAL
Examination luminaire

General information

This luminaire is intended for use as a general purpose examination luminaire. This product are not designed and approved for home use or treatment. There should be NO contact with the patient using this product.

Optimum working distance between the light source and illuminated object or surface, using a standard lamp, is 33 cm with a 3D lens and 20 cm with a 5D lens.

Installation:

This product contains a spring loaded arm. In order to avoid damage or possible injury, first mount table bracket or floor stand. Insert product and remove protective plastic sleeve or rubber band, and carefully unfold the product.

Place the supply cable so it not will be damaged.

Always use enclosed table bracket, optional floor stand or TE brackets.



| Table Bracket | Trolley floor stand | TE Bracket |
|-------------------------------------|--|------------------------------------|
| Weight lamp and bracket = 4,9 kg | Weight trolley floor stand =15,1 kg | Weight lamp and bracket =4,7 kg |

For part numbers for accessories, please visit our website www.glamox.com

Luxo cannot guarantee the lifetime and functionality if third party accessories are used.

Cleaning

Blow and dry off any dust and dirt.

Using of different cleaning agents for cleaning this product:

Avoid use of alcohol, acids or any kind of organic solvents (Isopropanol etc.)

Only use the weak mix of ordinary soap and water without any perfumes.

Maintenance

Cleaning of produce and replacement of light source is the only maintenance needed. No requirements on frequency of cleaning other then when the products get degraded functions on movements or light.

There are no parts requiring special inspection or maintenance on the product.

Transportation

The product should be set in transportation mode when moved. Fold upper arm down in parallel with the lower arm, and secure them together with a rubber band or strips.

Spare parts

| | |
|-----------|--|
| SPD024409 | FUSE T400/250V +TERMINAL BLOCK MEDICAL |
| SPD024432 | BALLAST 230/240V |
| SPA024433 | CIRCEL TUBE 22W/840 +GLOWSTART |
| SPA024434 | CIRCEL TUBE 22W/827 +GLOWSTART |
| SPD024435 | TUBE COVER |
| SPD024436 | SUN COVER WHITE |
| SPD024437 | SUN COVER LYS GREY |
| SPD024704 | ATTACHM.LENS NO1(4 DIOPTR)LFM M024 |
| SPD024705 | ATTACHM.LENS NO2(8 DIOPTR)LFM M025 |
| SPD025114 | REFLECTOR WHITE |
| SPD025071 | CLIPS F/TUBE |
| SPD025125 | LENS 3D LFM MEDICAL |
| SPD025431 | ROCKERSWITCH BLACK |
| SPA025593 | BALLASTBOX COVER WHITE |
| SPA025676 | LOCKPLATE SCHADE |
| SPD025776 | SOCKET F/GLOWSTARTER LFM |
| SPA026011 | CABLE 3x0.75+/3,0m BS1363A WHITE |
| SPD026115 | LAMPHOLDER FOR CIRCULAR LAMP |

Description to exchange spare parts, mounting pictures or circuit diagrams will be supplied upon request to service personal

Troubleshooting for qualified electrical fitters and other similarly qualified personnel

- Replace the fuses
 - ⇒ Remove the lamp from mains supply.
 - ⇒ Loosen the screw and remove ballast box cover
 - ⇒ Exchange fuses
 - ⇒ Place ballast box cover, and tighten the screw
- Replace the mains cable
 - ⇒ Remove the lamp from mains supply.
 - ⇒ Loosen the screw and remove ballast box cover
 - ⇒ Loosen and remove the strain relief
 - ⇒ Please note or take picture how the main wires and grounding are wired
 - ⇒ Remove the damaged main cable and replace with new one
 - ⇒ Wire the new cable as the note or picture
 - ⇒ mount strain relief over the main and internal cable
 - ⇒ Use 0,5 Nm on torx screw, and 0,75 Nm on the nut holding the strain relief
 - ⇒ Place the ballast box cover and tighten the screw with 0,5 Nm
- Replace the circular 22WT9 tube
 - ⇒ Remove the lamp from mains supply.
 - ⇒ Loosen the screws and remove the plastic protective cover over the light source
 - ⇒ Remove and replace light source and starter
 - ⇒ Place and tighten the screws on the protective cover. Use 0,5 Nm when tightening the screws.

If there should arise other problems please contact your local LUXO representative

Classification:

| | |
|---|--|
| | LFM MEDICAL |
| Medical class: | No Applied Part |
| Degree of protection against electric shock | Class I (earthed) |
| Protection reliability | Resistance in earth circuit - earth connection 0.2 |
| Power supply | 230 VAC 50 Hz |
| Power consumption | Max. 95VA |
| Mode of operation | Continuous |
| Protection against risk of explosion | Not protected |
| Protection against liquid penetration | Not protected |
| Degree of mobility | Fixed or movable (when mounted on the optional floor stand). |
| Type of approval | MEDICAL Standard |
| Safety test in line with | EN 60601-1 :2012 EN 60601-1-6:2010 EN 63266: 2008 |
| EMC test in line with | EN 60601-1-2 :2007 |
| Primary fuse | IEC 60127, 5x20mm, 2xT0.4AH 250V |

Symbol explanations:



: Do not throw away. Electronic waste.
The product must be recycled



: CE Marking



: Nemko Mark



: Attention, read instructions before use



: Power off



: Power on



:Protective earth

Warning:

- Avoid spilling liquid on the lamp head
- Have minimum 400 Lux light, when reading the labels on the product
- The power cable must only be replaced by a qualified electrical fitter or other similarly qualified professional.
- The switch disengages the voltage to the lamp only. To disconnect the mains supply, unplug the plug from the socket outlet.
- To avoid risk of electric shock, this equipment must only be connected to a supply main with protective earth.
- This ME EQUIPMENT could cause risk of reciprocal interference during use.
- Position the product so that it's easy to disconnect the device when the product is used as isolation means.
- To terminate operation, turn the product off with the switch. For storage, unplug the device and fold the arm together.
- Any repairs of the arm must be performed by LUXO or LUXO approved personnel. The arm contains high tensions springs.
- Do not modify this equipment without authorization of the manufacturer.
- This product complies to IEC/EN 60601-1-2, electromagnetic compatibility for medical devices. Electromagnetic or other interference between this equipment and other devices should not occur. In the event of interference, please move the equipments apart from each other.
- When abnormal use Glamox declines all responsibilities regarding the product
- Users of this form of lighting should be aware that the manufacturer of the product can only accept liability for the lighting when maintenance, repairs or changes are carried out by the manufacturer or by companies which the manufacturer has approved to carry out such work, and when components that influence the safety of the lighting are replaced with original spare parts. The lighting is not intended for use in areas where there is a risk of explosion.

Temperatures:

| Temperature touch table | Max temperature allowed | Duration of touch |
|-------------------------|-------------------------|-------------------|
| On/off switch | 60°C | 60 sec |
| Enclosure near lamp | 60°C | 60 sec |
| Lamp head | 60°C | 60 sec |
| Ballast box | 60°C | 60 sec |

Disposal

Disposal the product at a special collection centre for recycling of electronic and waste.

Environmentally conditions:**Transport and storage**

Ambient temperature -20° C to 70° C

Moisture content 10 % to 93 %

Atmospheric pressure 500hPa til 1060hPa

Operate

Ambient temperature 5° C to 40° C

Moisture content30 % to 75 %

Atmospheric pressure 800hPa to 1060hPa

..... Max 2000m

Manufactured by:

Glamox AS

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Production by:

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