

Glotech™ Mask Lite

INSTRUCTION MANUAL



LED
ESTHETICS

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1. THE BENEFIT OF LIGHT THERAPY

Our skin has the wonderful ability to absorb light energy. Light energy makes skin cells produce more adenosine triphosphate (ATP) and stimulates a variety of cells to restore to a new state. This cell rejuvenation ultimately results in more radiant and youthful looking skin, without side effects or the use of chemicals.

Introducing Glotech™ Mask Lite: a cutting-edge LED skincare device designed to transform your complexion and maybe even your life. This advanced mask combines two treatments in one device. Red light (640 ±10nm) treats signs of aging and wrinkles. Blue light (465 ±10nm) treats mild to moderate acne vulgaris of the face.

Anti-Aging - Red light penetrates deep into the layers of your skin, stimulating collagen production and promoting cellular regeneration. The result is a reduction in fine lines, wrinkles, and uneven skin tone, making skin appear more youthful, radiant, and rejuvenated.

Anti-Acne - Blue light has been scientifically proven to combat acne-causing bacteria, effectively reducing breakouts, inflammation, and blemishes. By incorporating this mode into your skincare routine, you can achieve clearer, smoother skin. and regain your self-confidence.

2. PRODUCT INFORMATION

2.1 SPECIFICATIONS

| | |
|-----------------------|---|
| LED WAVELENGTHS | 465nm ±10nm, 640nm ±10nm |
| POWER DENSITY | 30 mw/cm ² |
| LED BULBS | 66 Dual-core LEDs |
| OPERATING ENVIRONMENT | -10°C to 35°C 14°F to 95°F 30% to 80% humidity without condensation |
| STORAGE ENVIRONMENT | -20°C to 60°C -4°F to 14-°F 30% to 90% humidity without condensation |
| INPUT POWER SUPPLY | 100-240Va.c., 50/60Hz |
| OUTPUT POWER SUPPLY | 5.0Vd.c., 2.0A |
| CHARGING CABLE | USB-A to mini USB |
| CHARGING CABLE LENGTH | 12 inches |
| BATTERY | External rechargeable lithium battery |

2.2 DEVICE ACCESSORIES

- Glotech™ Mask Lite LED Face Mask
- Adjustable Head Strap
- Rechargeable Battery Pack
- Charging Cable for Battery Pack
- Instruction Manual

2.3 ADVERSE REACTION

If you have any adverse reaction, such as discomfort, skin discoloration, skin irritation or other concerns, from using this device, stop using it immediately and consult your health professional.

2.4 CONTRAINDICATIONS

DO NOT use the device if you have active cancer or cancerous lesion.

DO NOT use the device if you are pregnant, planning on becoming pregnant, or breastfeeding, without first consulting your doctor.

DO NOT use the device on people under the age of 21.

DO NOT use the device if you have a known allergic reaction to silicone. When in doubt of allergies contact your General

Practitioner before using.

DO NOT use the device if you suffer from any photosensitive disorder (sensitization to light) or are taking any medication or drugs that can cause photosensitivity. If you are unsure, contact your health professional.

DO NOT use the device if you have a medical history of seizures or epilepsy triggered by light.

Consult your doctor before using the device if you have a fever, a severe circulatory disorder, or desensitized areas.

If taking any medications, consult your doctor prior to using the device.

Note: For reasons of hygiene, do not share your device with anyone else.

2.5 DISCLAIMER

DO NOT use the device to treat any other conditions apart from the conditions that are indicated in the Indications for Use statement in Chapter “How to use the device”. The device is not intended for use in the diagnosis of disease or other conditions or in the cure, mitigation, treatment or prevention of disease, nor is it intended to affect the structure or function of the body.

2.6 WARNINGS & PRECAUTIONS

STOP using the device and consult your General Practitioner if you experience an adverse reaction or pain from using the device.

STOP using the device if you experience symptoms of hypotension (dizziness or light-headedness) while using the device.

STOP using the device if it is overheating or your skin feels hot. Turn off the device immediately.

DO NOT use the device to treat moles, warts, open sores, cancerous lesions, or other skin conditions.

DO NOT use the device over any open wounds or bacterial infections.

DO NOT shine the light from the LEDs directly into your eyes or someone else's eyes.

DO NOT use the device outdoors or place in direct sunlight to prevent damage to the product.

DO NOT put pressure, heavy objects or sit on the device. This will break it.

DO NOT use or store the device near hot surfaces.

DO NOT submerge the device in water or charge the device when it might be exposed to water.

DO NOT attempt to modify, repair or take apart the device in any

way. The device contains no serviceable parts and batteries that are non-replaceable.

DO NOT use the device if it is damaged or not working properly.

DO NOT use solvents or abrasive cleaners on the device.

DO NOT use the device in any other way than specified in this manual. It will void your warranty if you do not operate the device in accordance with the instructions in the manual.

DO NOT use the device with any topical serums or creams other than specified by LED Esthetics, particularly those containing Vitamin A.

DO NOT scratch or damage the light-emitting surface.

3. POTENTIAL RISKS

Immediately after treatment skin may appear red. Skin should return to normal within 1-2 hours. Temporary headaches may appear after the light treatment. Consult your doctor if the headaches do not subside.

4. LIGHT SENSITIVITY TEST

We highly recommend users perform a light sensitivity test before their first use of the device.

1. Place the device on the inner forearm
2. Turn on the device to start a treatment
3. Wait for 3 minutes to complete a treatment.
4. If your skin feels hot or uncomfortable during the treatment, immediately stop. You might be sensitive to light.
5. The device will automatically turn off after the treatment is done. Remove the device and wait for at least 24 hours.

Check your skin regularly over those 24 hours, if your skin appears red and/or itchy the device is unsuitable for you. In the case of light sensitivity please contact customer support.

5. HOW TO USE THE DEVICE

5.1 INDICATIONS FOR USE

Glotech™ Mask Lite produces blue and red light in the visible spectrum (Blue: 465nm \pm 10nm, Red: 640nm \pm 10nm). The device works by emitting the specified wavelengths into the skin in order to improve the appearance of wrinkles or to target bacteria that can cause acne vulgaris.

5.2 TREATMENT MODES

Anti-Aging: Red Light (640 \pm 10nm)

Anti-Acne: Blue Light (465nm \pm 10nm)

5.3 OPERATION INSTRUCTIONS

1. CLEAN YOUR SKIN AND APPLY SERUM OR HYDROGELS

Thoroughly cleanse your skin to remove any cosmetics and apply your LED Esthetics serum or Hydrogel. Avoid using other topical serums or creams that may contain elements that may affect light absorption and lead to a decreased or in-effective treatment.

2. INSTALL STRAP

Attach the removeable strap to the mask using the Velcro ends and adjust the size for a comfortable fit.



3. CONNECT MASK TO BATTERY PACK

Ensure the battery pack is fully charged (see section 5.4 for charging instructions). Connect the battery pack to the mask using the USB-A cable attached to the mask. The light on the battery will illuminate blue to indicate it is powered on. You may also use your own battery pack or connect to a USB wall plug.

4. START A TREATMENT

Turn on the mask by long pressing (about 2 seconds) the power button on the top of the mask.

The default mode is Anti-Aging (red light). Short press the power button to change the treatment mode to Anti-Acne.

The device will automatically turn off after the full treatment time of 10 minutes. If desired, you may choose to initiate a second treatment with other treatment mode.



5. CLEAN AND STORE THE MASK

Clean and store the mask according to the instructions below.

TREATMENT PROTOCOL

Anti-Acne: 4-5 times per week for 6 weeks

Anti-Aging: 5-7 times per week for 6 weeks

After following the treatment protocol, continue with maintenance treatments 2-4 times per week, as required based upon desired results.

5.4 CHARGING

Charge your battery pack fully for 4 hours before your first use. Only use a 5V adapter or computer USB port (avoid fast chargers as they can damage the battery).

To charge the battery pack, insert the mini-USB end of the charging cable into the battery. Insert the larger USB-A end into a 5V USB power supply. The battery takes 4 hours to fully charge (there is no indicator light).

Before charging, make sure that the plug and socket are completely dry. Failure to do so may result in electric shock, short circuit, or fire.

Note: Always unplug the battery from the charging cable before use. It will not work while being charged.

Note: The mask is designed to be compatible with most USB battery packs

5.5 CARE AND STORAGE

The lifetime of the Lithium battery can be maximized by allowing it to fully charge and then fully discharge during regular use. Avoid charging longer or more frequently than necessary.

Store the device at room temperature in dry conditions.

Take extra care with the connection point of the cable to the mask. If this bends excessively it can break.

Avoid storing the device in dusty conditions, in direct sunlight or in damp and humid conditions.

This device contains no serviceable parts.

Before each use, with the device switched off, clean the Device following the cleaning instructions.

The product has a lifecycle of approximately two years under normal use. Following the treatment protocol for two years is considered normal use.

5.6 CLEANING

Clean the device with an alcohol-based wipe or lightly damp clean cloth. Stubborn stains can be removed by wiping gently with 70% alcohol.

DO NOT submerge the device in liquid as this will damage the Device.

DO NOT clean the device while it is turned on.

5.7 TROUBLESHOOTING

If the actions suggested fail to fix the problem, or the problem reoccurs, and your device is within the warranty period please contact us.

DO NOT attempt to investigate any further.

DO NOT attempt to modify the device in any way. The device has NO parts you can repair yourself.

| PROBLEM | CAUSE | SOLUTION |
|---------------------------------------|---|--|
| The device doesn't switch on. | The battery is not fully charged, because the charging cable was not properly inserted into the power outlet. | Insert the charging cable properly into the power outlet. |
| | The device is not fully charged, because the charging cable was not properly inserted into the battery pack. | Insert the charging cable properly into the battery and charge the device. |
| | The power outlet didn't work during charging. | Try a different power outlet. |
| | The battery is not properly connected to the mask. | Ensure that the controller cable and mask are connected firmly. |
| | The on/off button has not been pushed for 2 full seconds. | Push the on/off button on the top of the mask for 2 full seconds straight. |
| The device switches off unexpectedly. | The battery level is too low. | Charge the battery pack. Try an alternative battery pack. |

5.8 DISPOSAL

DO NOT dispose of the device with household waste. The Device should be recycled. The Device contains a Lithium-ion battery. For protection of the environment, please safely dispose of the device following your local guidelines.

6. WARRANTY

This LED mask is warranted to be free from defects in material and workmanship for 12 months from its original purchase date under normal use. This warranty extends only to the original retail purchaser with original proof of purchase and proof of registration for warranty within 30 days following original purchase date. This warranty only extends if the device is used in conjunction with authorized Device accessories. If the Device should become defective within the warranty period, contact our customer support. This warranty does not cover Devices damaged by:

- Accident, misuse, abuse, or alteration.
- Use with unauthorized accessories or use other than as instructed.
- Connecting to incorrect current and voltage.

LED Esthetics shall not be responsible for any incidental, special or consequential damages resulting from the use of this Device. All implied warranties, including but not limited to implied warranties of fitness and merchantability are limited in duration to one year from date of original purchase.

7. CONTACT INFORMATION

LED Esthetics

ledesthetics.com/contact

hello@ledesthetics.com

8. SAFETY & EMC

| Guidance and manufacturer's declaration – electromagnetic emissions | | |
|---|------------|--|
| The LED Light Therapy Mask is intended for use in the electromagnetic environment specified below. The customer or the user of the LED Light Therapy Mask should assure that it is used in such an environment. | | |
| Emissions | Compliance | Electromagnetic environment- guidance |
| RF emissions CISPR 11 | Group 1 | The LED Light Therapy Mask uses LED energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment. |


| | | |
|---|---|---|
| RF emissions CISPR 11 | Class B | The LED Light Therapy Mask is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes. |
| Harmonic emissions IEC 61000-3-2 | Not applicable | |
| Voltage fluctuations/ flicker emissions IEC 61000-3-3 | $P_{st} \leq 1.0$; $P_{It} \leq 0.65$; $d(t) \text{ sec} \leq 0.5$; $d_{max} \leq 4\%$ $dc \leq 3.3\%$ | |

| Guidance and manufacturer's declaration – electromagnetic immunity | | | |
|---|----------------------|------------------|--|
| The LED Light Therapy Mask is intended for use in the electromagnetic environment specified below. The customer or the user of the LED Light Therapy Mask should assure that it is used in such an environment. | | | |
| Immunity test | IEC 60601 test level | Compliance level | Electromagnetic environment - guidance |

| | | | |
|---|---|---|--|
| Electrostatic discharge (ESD) IEC 61000-4-2 | $\pm 8 \text{ kV}$ contact $\pm 2 \text{ kV}, \pm 4 \text{ kV}, \pm 8 \text{ kV}, \pm 15 \text{ kV}$ air | $\pm 8 \text{ kV}$ contact $\pm 2 \text{ kV}, \pm 4 \text{ kV}, \pm 8 \text{ kV}, \pm 15 \text{ kV}$ air | Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30 %. |
| Electrical fast transient/burst IEC 61000-4-4 | $\pm 2 \text{ kV}$ 100 kHz repetition frequency | $\pm 2 \text{ kV}$ 100 kHz repetition frequency | Mains power quality should be that of a HOME HEALTHCARE ENVIRONMENT |
| Surge IEC 61000-4-5 | $\pm 1 \text{ kV}$ Line-to-line | $\pm 1 \text{ kV}$ Line-to-line | Mains power quality should be that of a HOME HEALTHCARE ENVIRONMENT |

| | | | |
|--|---|---|---|
| Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11 | 0 % UT; 0,5 cycle (At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315°) | 0 % UT; 0,5 cycle (At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315°) | Mains power quality should be a HOME HEALTHCARE ENVIRONMENT If the user of the LED Light Therapy Mask requires continued operation during power mains interruptions, it is recommended that the LED Light Therapy Mask be powered from an uninterruptible power supply or a battery. |
| | 0 % UT; 1 cycle and 70 % UT; 25/30 cycles (Single phase: at 0°) | 0 % UT; 1 cycle and 70 % UT; 25/30 cycles (Single phase: at 0°) | |
| | 0 % UT; 250/300 cycle | 0 % UT; 250/300 cycle | |
| Power frequency (50/60 Hz) magnetic field IEC 61000-4-8 | 30 A/m | 30 A/m | Power frequency magnetic fields should be at levels characteristic of a HOME HEALTHCARE ENVIRONMENT |
| NOTE: UT is the a.c. mains voltage prior to application of the test level | | | |

| Guidance and manufacturer's declaration – electromagnetic immunity | | | |
|---|--|--|--|
| The LED Light Therapy Mask is intended for use in the electromagnetic environment specified below. The customer or the user of the LED Light Therapy Mask should assure that it is used in such an environment. | | | |
| Immunity test | IEC 60601 test level | Compliance level | Electromagnetic environment – guidance |
| Conducted RF IEC 61000-4-6 | 3 Vrms 0,15 MHz and 80 MHz | 3 Vrms 0,15 MHz and 80 MHz | Portable and mobile RF communications equipment should be used no closer to any part of the LED Light Therapy Mask, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance $d = 1,2\sqrt{P}$ $d = 1,2\sqrt{P}$ 80 MHz to 800 MHz $d = 2,3\sqrt{P}$ 800 MHz to 2,7 GHz |
| | 6 Vrms in ISM and amateur radio bands between 0,15 MHz and 80 MHz | 6 Vrms in ISM and amateur radio bands between 0,15 MHz and 80 MHz | |

| | | | |
|--|---|---|--|
| Radiated RF IEC 61000-4-3 | 10 V/m 80 MHz to 2.7GHz 80 % AM at 1kHz | 10 V/m 80 MHz to 2.7GHz 80 % AM at 1kHz | <p>Where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation Distance in meters (m).</p> <p>Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, a should be less than the compliance level in each frequency range. b</p> <p>Interference may occur in the vicinity of Equipment marked with the following symbol:</p>  |
| <p>NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies.</p> <p>NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected</p> | | | |

| Recommended separation distances between portable and mobile RF communications equipment and the LED Light Therapy Mask | | | |
|--|---|--|---|
| <p>The LED Light Therapy Mask is intended for use in an electromagnetic environment in which radiated RF disturbances are control RGB. The customer or the user of the LED Light Therapy Mask can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the LED Light Therapy Mask as recommended below, according to the maximum output power of the communications equipment.</p> | | | |
| Rated maximum output power of transmitter (W) | Separation distance according to frequency of transmitter (m) | | |
| | 150 kHz to 80 MHz $d = 1,2\sqrt{P}$ | 80 MHz to 800 MHz $d = 1,2\sqrt{P}$ | 800 MHz to 2.7 GHz $d = 2,3\sqrt{P}$ |
| 0.01 | 0.12 | 0.12 | 0.23 |
| 0.1 | 0.38 | 0.38 | 0.73 |
| 1 | 1.2 | 1.2 | 2.3 |
| 10 | 3.8 | 3.8 | 7.3 |
| 100 | 12 | 12 | 23 |

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

Table - Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communications equipment

| Test Frequency (MHz) | Band (MHz) | Service | Modulation | Maximum Power (W) | Distance | Immunity Test Level (v/m) |
|----------------------|------------|-------------------|-------------------------------|-------------------|----------|---------------------------|
| 385 | 380-390 | TETRA 400 | Pulse modulation 18 Hz | 1.8 | 0.3 | 27 |
| 450 | 430-470 | GMRS 460, FRS 460 | FM ±5 KHz deviation 1KHz sine | 2 | 0.3 | 28 |
| 710 | 704-787 | LTE 13, 17 Band | Pulse modulation 217 Hz | 0.2 | 0.3 | 9 |
| 745 | | | | | | |
| 780 | | | | | | |

| | | | | | | |
|------|-----------|---|-------------------------|-----|-----|----|
| 810 | 800-960 | GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE 5 Band | Pulse modulation 18 Hz | 2 | 0.3 | 28 |
| 870 | | | | | | |
| 930 | | | | | | |
| 1720 | 1700-1990 | GSM 1800, CDMA 1900, GSM 1900, DECT, LTE 1, 3, 4, 25 Band, UMTS | Pulse Modulation 217 Hz | 2 | 0.3 | 28 |
| 1845 | | | | | | |
| 1970 | | | | | | |
| 2450 | 2400-2570 | Bluetooth, WLAN 802.11 b/g/n, RFID 2450, LTE 7 Band | Pulse modulation 217 Hz | 2 | 0.3 | 28 |
| 5240 | 5100-5800 | WLAN 802.11 a/n | Pulse modulation 217 Hz | 0.2 | 0.3 | 9 |
| 5500 | | | | | | |

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MJ-14 说明书

成品尺寸:55*70mm

材料&工艺:封面封底157g双铜4C+过哑胶,反面过哑油,
内页105g双铜,4C+双面过哑油

骑马钉