

PURE & SIMPLE GLOW

E4



WARNING



- Read the instructions before using this product or consult the attendant for further information.
- The power supply must be fused with a time-lag fuse.
- The supply voltage (V) and frequency (Hz) must agree with the information given on the machine type plate. A copy is on the backside of this manual.
- Before servicing this equipment or changing lamps, remove the power supply cord or isolate from main supply.
- This equipment must have an earth connection.
- Never use this machine when the timer is faulty.
- Do not use this machine when the air hose is not connected.
- Never use this machine when one of the filters of the facial(s) is broken or removed. You must check this before use. When during use one of the filter(s) breaks, stop this machine immediately. A blue filter is broken when some white light appears through the 'blue' light. It is possible this is weak white light, but it can also be clear white light.
- This device is intended to be used by one person at a time!
- Make sure there is at least 10 cm / 5 inches space between the machine and the walls/ceilings to ensure proper ventilation.
- Never use this device, if one or all of the acrylics are broken or removed. Check this for each tanning session.
- This machine may not be operated if the temperature inside the tanning cabin is 30° C / 86° F or higher.
- Always use the protective sunglasses provided!
- In order to keep your Ultrasun machine in compliance with the standard, you have to make sure to change lamps, components and accessories with original lamps, components and accessories only. Otherwise guarantee will be taken off as well as any responsibility and any liability.
- Water and electricity are a dangerous combination. Do not place your Ultrasun in a humid room or near water facilities like a shower or swimming pool.
- This machine is equipped with an automatic security system against overheating. In case there is insufficient ventilation (because the ventilating shafts of the machine are covered or the ventilation in the room does not function optimally) the appliance will automatically switch itself off. When the machine has cooled down, the machine will automatically switch itself on again. However, you should always examine what the cause was that the machine switched off!
- The appliance is not to be used by children or people with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.
- Children should be supervised to ensure that they do not play with the appliance.
- Read also the tanning rules on page 8 and 9!



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You have just chosen for a product from the Ultrasun Professional range. You have made an excellent choice. By this purchase you have chosen for a product which has been carefully manufactured from high quality parts which have been tested completely and have been checked fully after manufacturing. We advise you to carefully read through this user manual so you can use the sunbed safely and with many years of pleasure.

During the development of our professional sunbeds, the specific desires of our customers have been taken into account. If you still have question about or suggestions for our sunbeds, please do not hesitate to contact us. Please check if the serial number plate at the back side of this user manual resembles the serial plate at the back of the sunbed. Ultrasun spends a lot of time and attention on the development and improvement of the delivered products. Ultrasun holds the right to make changes without informing you previously.

We hope you enjoy your purchased sunbed.
The Ultrasun team

Explaining The Icons



Remove the plug from the wall socket when working on the sunbed.



Attention: dangerous electrical voltage.



Have a specialized fitter fix, repair or work on the sunbed.



Many parts can be recycled, so keep them separate and do not dispose of them.



Attention: danger, read the instructions carefully and follow the directions.



Attention: ultraviolet radiation: always wear eye protection when exposed to UV light and read the corresponding warning texts.

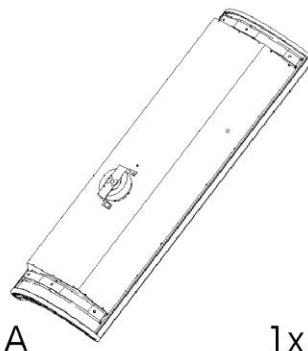
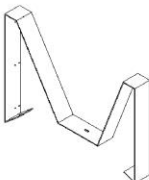
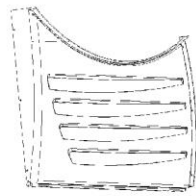
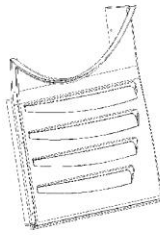
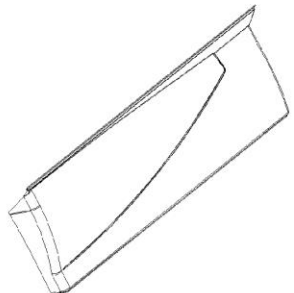
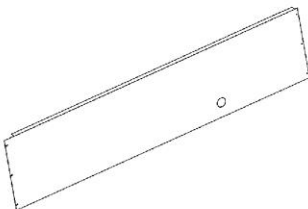
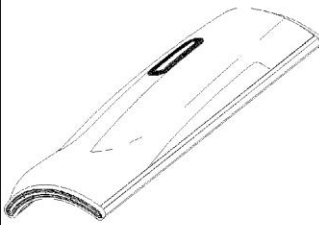







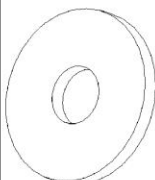










This user manual contains all instructions of your Ultrasun E4. This user manual also contains the manual for the timer part of the E4. The electrical scheme of this sunbed is delivered separately.

Always choose this user manual that has the grey sunbed identification sticker on the backside. And always keep this user manual close to the sunbed.

- Check if the packaging is in the original state and report possible damages directly to your transporter. Especially look for possible dents, cracks or water damage on the outside of the packaging.
- Get all separate parts out of the packaging. Check directly if all parts are present and undamaged.
- May one of these control checks not suffice these requirements, report this as soon as possible to your Ultrasun distributor.

Parts Of The E4

To guarantee safe and easy transportation, the sunbed is packed in several separate parts as shown in the drawing below. These parts can be assembled easily by two people at the place where you want to locate the sunbed.

							
A1x	B2x	C1x	D1x	E1x			
					 M8x20		
F1x	G1x	H1x	I1x	J2X	K6x		
 M8x25	 M8x40	 M8	 Nylon	 M4x8	 M4	 3,9x13	
L2x	M2x	N6x	O2x	P12x	Q12x	R6x	S1x
							
T2x	U2x	V4x	W1x	X4x	Y1x		

Assembling The E4



Note: Always disconnect the power supply before disassembling and during assembling.



Take the bed-part (Fig.1:A) (the part without the plastic cover) and put it upside down on the four buffers (with the acrylic faced down).

Assemble the two legs onto the bed (Fig.1:B) with the six bolts M8x20 (Fig.1:K) and the six washers (Fig.1:N).

Assemble the two plastic side parts (Fig.2:C+D) around the legs. Remove the plastic strip (Fig.2:S) of the bed. Place the front plate (Fig.2:E) onto the front of the bed and secure it with the screws 3,9x13 (Fig.2:R) onto the side parts. Then assemble the plastic strip again.

After this, put the back-plate (Fig.2:F) on its place and secure it with the 6 screws M4 x 8 (Fig.2:P) and with the washers M4 (Fig.2:Q).

Turn the bed carefully in its upright position. Avoid damage by doing this with two people.

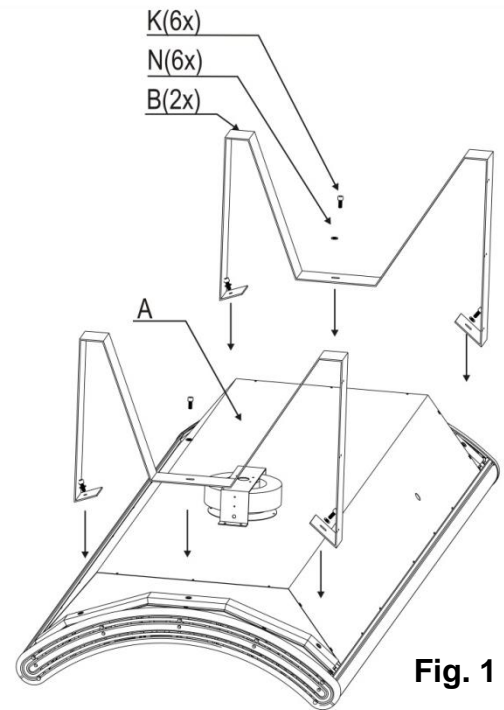


Fig. 1

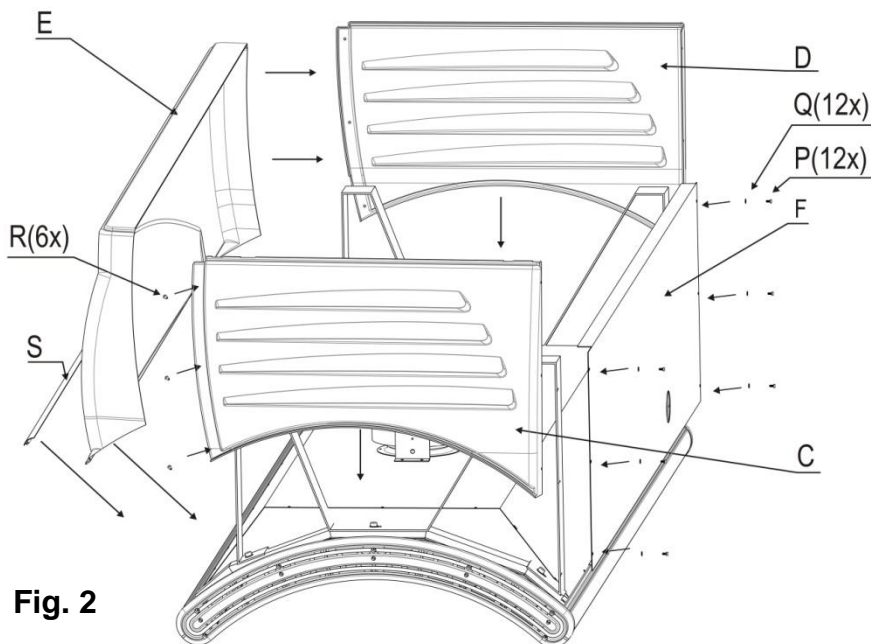


Fig. 2

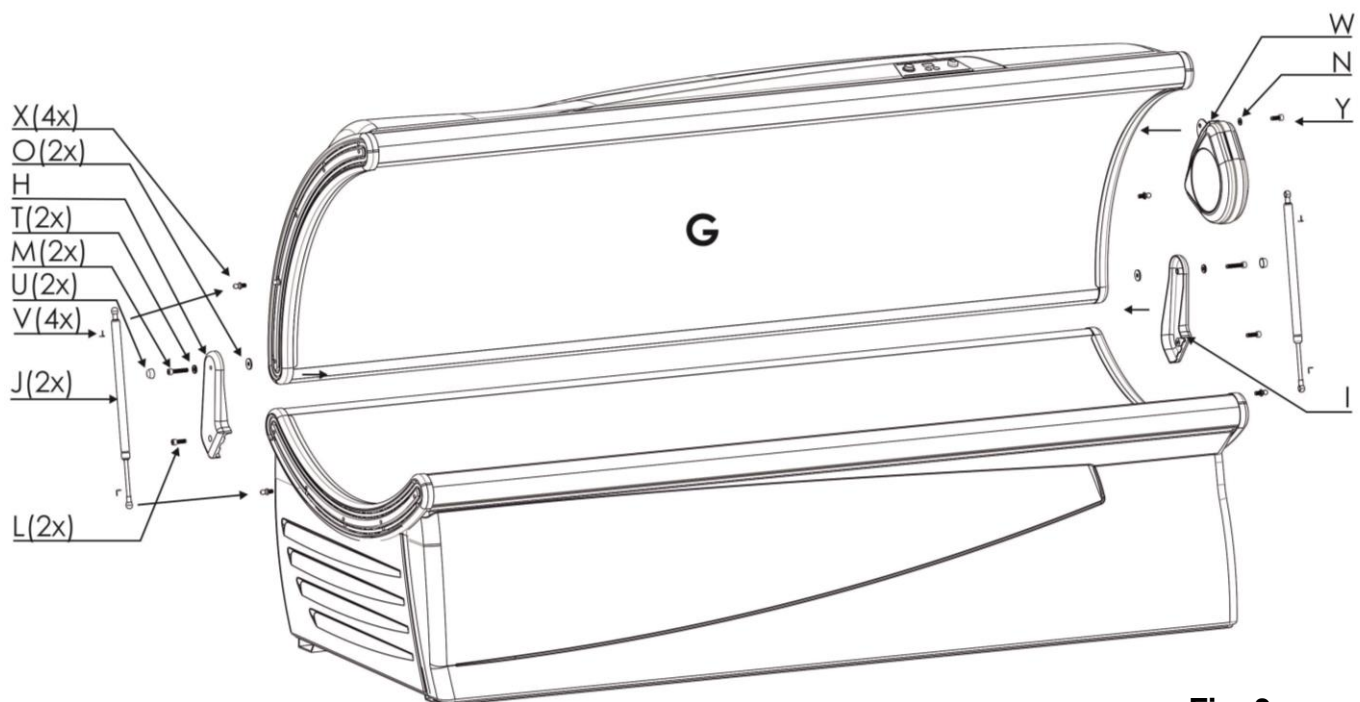


Fig. 3

Take the Styrofoam blocks from the packaging and lay these onto the base of the sunbed. Please put all the parts together as shown in the figure above. At first fasten all screws and nuts by hand. After all parts are assembled turn the screws tighter.

Take the roof/canopy part (Fig.3:G) and lay it down onto the Styrofoam blocks, with the timer to the front side. Mount the left and right elbow (Fig.3:H + I) to the sunbed with the hexagon socket head screws M8x25 (Fig.3:L).

Mount the roof onto the elbow with the hexagon socket head screws M8x40 (Fig.2:M) and the plastic washers (Fig.3:O) and washers (Fig.3:T). Put the plastic caps (Fig.3:U) in place. Now assemble the gas-filled springs (Fig.3:J). First screw the four ball joints (Fig.3:X) to the end caps. See figure 3 for the correct positioning.

After this you can click the gas springs (Fig.3:J) with the safety clips (Fig.3:V) on the ball joint as shown in Fig.4. Place the "thin"-side faced down. Connect the electricity plug from the bed into the roof.

Assemble the bodycooler (Fig.3:W) with the hexagon socket head screw M8x20 (Fig.3:Y) and washer (Fig.3:N) onto the roof. Connect the electricity plug from the bodycooler to the roof of the sunbed. Remove the acrylic protection sheets.

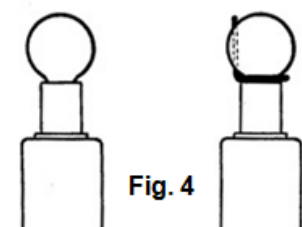


Fig. 4

Let a qualified electrician install the power supply according to the National Standards.

After all previous actions have been carried out, the power supply can be connected. The sunbed is now ready for use. Read the user manual of the timer for how to use the sunbed. When the sunbed will not be used for some time, we advise you to disconnect the power supply.

This solarium gives you the possibility to enjoy sunlight during the whole year. The tanning tubes guarantee the working of filtered sunlight and give a pleasant tan. The UltrasunE4 offers all possible security and protection techniques and ensures you of sunbathing without sunburn, only if you strictly follow the exposure instructions.



Exposure Schedule E4

Recommended exposure times for the E4 for UV3 (0.3W/m²) and UV4:



RECOMMENDED EXPOSURE SCHEDULE		MAXIMUM EXPOSURE TIMES (IN MINUTES)			
CLASS	SKIN TYPES	week 1	week 2	week 3	week 4
I	Sensitive skin Burns easily and severely, and does not tan.	Tanning not advised			
II	Light skin Burns easily and severely, and tans minimally.	6	10	15	20
III	Normal skin Burns moderately, and tans moderately.	7	12	16	20
IV	Dark skin Burns minimally, and tans well or above average.	8	13	17	20

Allow at least 48 hours between all exposures, tan maintenance: 1-2 times weekly
MAXIMUM EXPOSURE TIME: 20 minutes

Notice the following rules for proper and safe use of your tanning device:

- The exposure time for first session must not be shorter than 1 minute.
- Follow the recommendations concerning exposure duration and exposure intervals
- Protect your eyes from visible and infrared radiation, take adequate precautions ! Always use the provided sunglasses!
- Do not sunbath and use the machine on the same day.
- This device is intended to be used by one person at a time!
- Lie on the sunlamp bed and lower the top section to its internally regulated stop point to attain this position. Any other position may result in overexposure.
- Always use the protective sunglasses provided.
- Remove cosmetics well in advance of exposure and do not apply any sunscreens.
- Do not undergo exposure when taking medicines or using cosmetics, which increase sensitivity to ultraviolet radiation. If in doubt, take medical advice.
- Follow the recommendations concerning exposure duration and exposure intervals.
- Seek medical advice if persistent lumps, sores or pigmented moles develop on the skin.
- Ultraviolet radiation from the sun or UV-machines can cause injury to skin or eyes. These biological effects depend upon the quality and the quantity of the radiation as well as the skin sensitivity of the individual.

- The skin may develop sunburn after an excessive exposure. Excessively repeated exposure to ultraviolet radiation from the sun or the machine may lead to premature ageing of the skin as well as increased risk of development of skin tumours.
- The unprotected eye may develop surface inflammation, and in some cases, damage may occur to the retina after excessive exposure. Cataracts may develop after many repeated exposures. Therefore: **always use the protective sunglasses provided.**
- This machine is not to be used by people burning without tanning when exposed to the sun, by people suffering from sunburn, by people suffering from or previously suffering from skin cancer or predisposed to skin cancer.
- Read this carefully: if unexpected side effects, such as itching, occur within 48 hours of the first session of using a UV appliance, medical advice should be sought prior to further UV exposure.
- This appliance is not to be used by people burning without tanning when exposed to the sun, by people suffering from sunburn, by people under the age of 18, or by people suffering from (or previously suffering from) skin cancer or predisposed to skin cancer.
- Do not undergo exposure when taking medicines or using cosmetics, which increase sensitivity to ultraviolet radiation. If in doubt, take medical advice.
- This appliance shall not be used by persons under medical care for diseases that involve photosensitivity or persons receiving photosensitising medications.
- Seek medical advice if persistent lumps, sores or pigmented moles develop on the skin.
- Ultraviolet radiation from the sun or UV-machines can cause injury to skin or eyes. These biological effects depend upon the quality and the quantity of the radiation as well as the skin sensitivity of the individual.
- The unprotected eye may develop surface inflammation, and in some cases, damage may occur to the retina after excessive exposure. Cataracts may develop after many repeated exposures.
- Read this carefully: if unexpected side effects, such as itching, occur within 48 hours of the first session of using a UV appliance, medical advice should be sought prior to further UV exposure.
- The skin may develop sunburn after an excessive exposure. Excessively repeated exposure to ultraviolet radiation from the sun or the machine may lead to premature ageing of the skin as well as increased risk of development of skin tumours.
- Remove cosmetics well in advance of exposure and do not apply any sunscreens.
- According to basic standards your Ultrasun tanning equipment needs to be equipped with original parts and lamps. In every other case the guarantee is taken off as well as any responsibility and any liability.

Maintenance

After 50 hours, or at least after one month and then every 500 hours or 6 months:

- Visual inspection of all parts inside the sunbed;
- Remove dust and fluffs inside;
- Check the working of the whole machine;
- Control screws and nuts (if loose tighten);
- Clean the filters of the facials;

Always:

- Pay attention to strange noises in the sunbed;
- Clean the acrylics after every tanning session;
- Consult an authorised service agent in the event your Ultrasun machine has a failure;

Troubleshooting



When your sunbed or a part of it (top, bed or facial) does not function, please check:

- the fuses/differential switch of your main supply;
 - the connection to the main power supply;
 - the thermal switches (temperature safety);
 - the (possible) plug connection between the different parts (for example the base, top or bodycooler);
 - the broken-glass sensors for the facials;
- If one of the lamps does not function anymore, change it with the lamp next to it. If it still does not work, change the starter;
 - Switch off the power supply to the machine in case of:
 - working inside the sunbed;
 - fans are out of order;
 - any doubt of the nature of the failure;
 - Please contact your technical servicer in case the problem cannot be solved with the above mentioned possibilities.



Changing Lamps And Facial Bulbs

When the effective life of your lamps and facial bulbs is over, or when there is an obvious decrease in the tanning results, it is necessary to change the lamps and facial bulbs.

Attention: when changing lamps, first remove the power supply, then remove the acrylic.



The top:

Remove the acrylic by disassembling the plastic strip on the front side. Now gently lift the acrylic from the top. Now the acrylic can be cleaned and the lamps can be changed. To remove the acrylic in total, in the case of replacing the acrylic, you have to lift the back of the acrylic while the front is lowered down onto the sunbed. Do this preferably with two people.

The bed:

Lift up the strip from the acrylic on one side and carefully loosen it over the full length. Once the strip is removed, the acrylic can simply be lifted and removed, preferably by two people. Remove the reflector parts on both sides and turn the lamps by turning them in the lamp holders: let them “click” before you remove them. When changing the lamps, also remove the dust from the machine (particularly around the fans) and clean the acrylics from the inside.

Many parts can be recycled, so keep them separate and do not dispose of them.



When changing the facial bulbs, first remove power supply. To change the facial bulb, remove the cover from the top. The reflector with the facial bulb inside can be completely removed by removing the two screws (on both sides) from the reflector.

At the same time the two wires of the facial bulb must be disconnected. The facial bulb can be removed out of the pinch-spring and replaced by a new one. **Do not touch the glass of the facial bulb with your fingers.** Remove the dust and clean the white and blue filter with a glass cleaning fluid.

Attention: Make sure that the new lamps and facial bulbs are of the same type as the previous ones.



In order to keep your Ultrasun machine in compliance with the standard, you have to make sure to change lamps, components and accessories with original lamps, components and accessories only. Otherwise guarantee will be taken off as well as any responsibility and any liability.

Technical Information And Service

SUNBED TYPE	Ultrasun E4 / 32 Lamps	Ultrasun E4 / 32 lamps
UV-Type (conform EN 60335-2-27)	4	3
Top Lamps	16 x Sunfit XL E-Tronic 120W	16 x Sunfit XL3 E-Tronic 120W
Equivalency code	120-O-58/9,3	120-O-28/4,6
Article number	2L3120	2L3123
Base Lamps	16 x Sunfit XL E-Tronic 120W	16 x Sunfit XL3 E-Tronic 120W
Equivalency code	120-O-58/9,3	120-O-28/4,6
Article number	2L3120	2L3123
Fuse*	3 x 16 A	3 x 16 A
Power Supply	3 x 400 Volt+N+PE 50 Hz	3 x 400 Volt+N+PE 50 Hz
Power circa	4.200 Watt	4.200 Watt
Weight circa	160 Kg	160 Kg
SUNBED TYPE	Ultrasun E4 / 28 Lamps	Ultrasun E4 / 28 Lamps
UV-Type (conform EN 60335-2-27)	4	3
Top Lamps	14 x Sunfit XL E-Tronic 120W	14 x Sunfit XL3 E-Tronic 120W
Equivalency code	120-O-58/9,3	120-O-28/4,6
Article number	2L3120	2L3123
Base Lamps	14 x Sunfit XL E-Tronic 120W	14 x Sunfit XL3 E-Tronic 120W
Equivalency code	120-O-58/9,3	120-O-28/4,6
Article number	2L3120	2L3123
Fuse*	1 x 16 A	1 x 16 A
Power Supply	1 x 230 Volt+PE 50 Hz	1 x 230 Volt+PE 50 Hz
Power circa	3.500 Watt	3.500 Watt
Weight circa	130 Kg	130 Kg

Although this Ultrasun E4 is equipped with high quality parts, there is a possibility the parts will get exposed to mechanical erosion. When this happens, these parts need to be replaced. In the table *“Technical product information”* the specific article numbers of the lamps and facial burners are listed. In the separately enclosed electrical scheme the article numbers of the electrical parts are mentioned in the inscription. Below other parts are listed that can be ordered with their related article number.

Art. number	Article
2Z0101	UV eye protection sunglasses with elastic
5A3510	Acrylic plate for bed: Model E4 - 4 mm
5A7030	Acrylic plate for top: Model E4 - 3 mm
5M0012	Acrylic cushion transparent
5R0076	Synthetic profile for acrylic plate or synthetic cover: color silver – length 2071mm
2P0050	Paytronic coin payment system

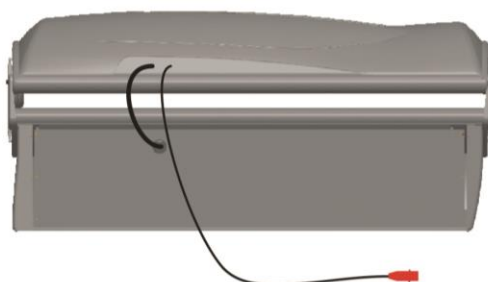
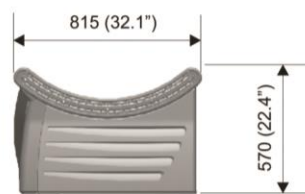
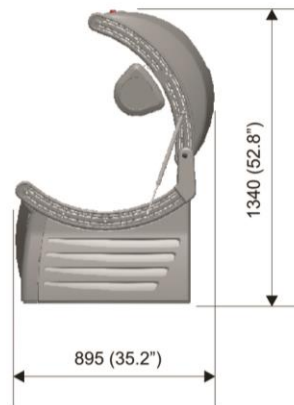
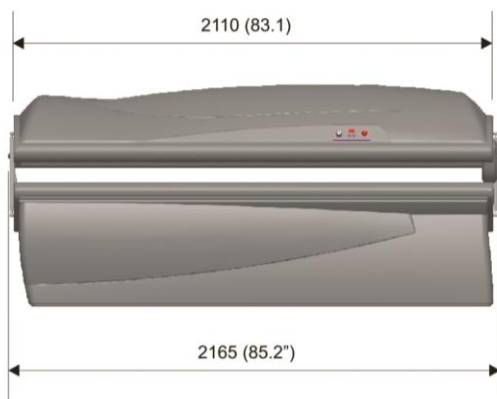
In order to keep a good overview of failures and ensuing repairs, we suggest you to register all notifications in the table on this page.

Enter all information as completely as possible in the table on the next page, so that you keep a good overview of the history of your Ultrasun E4.

Date	Failure	Replaced parts	Repaired by	Date
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E4

Dimensions - Grundabmessungen - Afmetingen - Dimensions

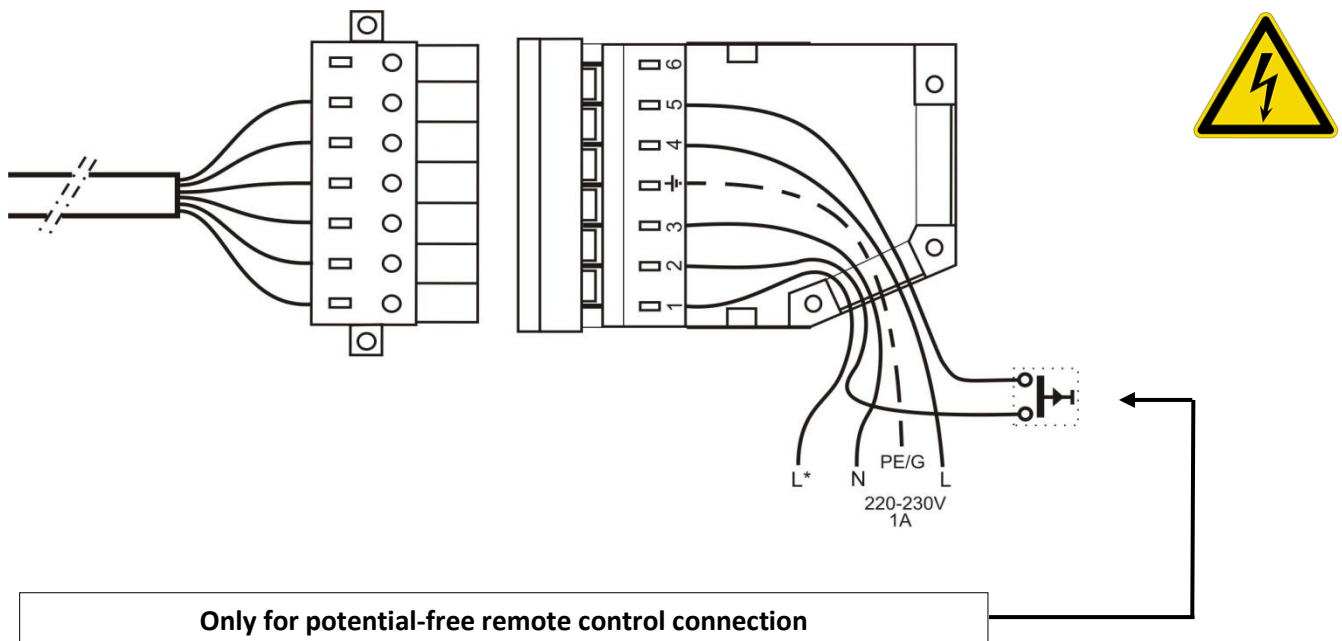


± 250 cm (98.4")

Power connection cable
Netzspannungs Kabel
Spanningskabel
Câble d'entretien



Connecting the Remote Control Plug



At the back of the sunbed you will find the connector for the remote control. The connections resemble the drawings above.

WARNING: The connection is only meant for the control of your sunbed by a coin box or remote control with a potential-free switch or contact.



The coupling socket can be connected to your control panel, timer or coin box. Connecting the connector wrongly can damage parts.

If you want to use a potential free switch contact, parameter P2 of the Solar Control timer needs to be changed to P2:01 or P2:02 depending on the use. Read the user manual of the remote control which is used.

The 220-230V connection is only meant as exit for the connection of electronics in the remote control unit (for example a Paytronic coin box) with a maximum charging rate of 1,0 ampere. Exit L* gives 230V when the device is switched on. This connection can be used as feedback or engaged signal.

Always make sure that when assembling, the plug has been fixed according to the making (the smooth and ribbed side need to resemble).

If larger distances need to be bridged or if disturbances exist in the pipe lines, the possibility exists that you have to place an Opto-box in the remote control pipes (Ultrasun article number 3T0480).

DISCLAIMER

Ultrasun pays close attention to the quality of its products. This also applies to the information in this user manual. Ultrasun reserves the right to change the content of this manual at any time. Though Ultrasun strives to always display the correct texts and images in her manuals, errors can occur. We cannot be held responsible for any errors in writing or printing. We kindly ask you to report any discrepancy using the contact details at the back of this user manual.

Thank you.

DECLARATION OF CONFORMITY

Directive 2014/35/EU and 2014/30/EU

We, **Ultrasun International BV**
Granaatstraat 6
7554 TR HENGELO, Holland

declare that this Ultrasun E4 and E4-2 are in conformity with the with the actual version of the following normative documents:

Applied harmonized Standards:

Safety: EN 60335-1
Safety: EN 60335-2-27
EMC: EN 55014-1 and EN 55014-2
EMC: EN 61000-3-2 and EN 61000-3-3

following the provisions of the following directives:

IEC-Directives: Low Voltage Directive
2014/35/EU
Electromagnetic Compatibility Directive
2014/30/EU Issued by:



J.W.S Fabels
CEO Ultrasun International
Hengelo, August 2016



Manual Solar Control & Scheme Sheet
are supplied separately