

OWNER'S MANUAL

ORIGINAL DR. MÜLLER HIGH PERFORMANCE TANNING EQUIPMENT

ELIXIR

(Version 2, 06/2004 Technical Changes Reserved)



ADVANCED UV LIGHT GMBH • RUHRTALSTRASSE 85-93 • D-45239 ESSEN

Phone: ++ 49 201 8 49 12 – 10

FAX: ++ 49 201 8 49 12 – 55

e-mail: info@auvl.de

www.auvl.de/ www.drmueller.de

FUTURE INDUSTRIES, ORIGINAL DR. MÜLLER • 626 SURF AVE • STRATFORD, CT 06615

Phone: (203) 381-0000

(800) 376-8537

Fax: (203) 380-6540

5880 BLACKWELDER ST • CULVER CITY, CA 90232

Phone: (310) 841-0500

Fax: (310) 0 841-0509

e-mail: futuremail@futureindustries.com

www.futureindustires.com / www.auvl.com



Preface

This Owner's Manual will help you to operate and use the high-performance sunbed ELIXIR, in this manual referred to as "sunbed" or "ELIXIR" in a safe and appropriate way.

This Manual is addressed to:

- Service personnel
- Authorized and skilled electrical personnel
- Qualified tanning salon personnel and
- End-users

Every person who

- transports
- installs
- connects
- operates
- sets the controls
- maintains
- cleans
- disassembles
- stores or
- disposes of

Keep this manual in a place close to the sunbed for further use.

Features

Diverse elements in this manual show a standardized format. This way it is easier to distinguish between standard text elements,

- listings or
- ⇒ steps of action

Description

The high-performance sunbed ELIXIR offers peak tanning performance at a premium comfort level.

The ELIXIR is the perfect choice for professional tanning salons as well as for fitness and beauty salons.

The compact design allows for installation in smaller rooms with limited space.

The esthetic and functional design easily fits into any salon decor.

The user friendly control panel with integrated display allows simple and easy use of controls during a tanning session.

The body cooling is individually adjustable. As an option, the sunbed can also be equipped with an A/C unit.

The SunFresh-System neutralizes the typical tanning odour. An aroma-device, SunHaze which is also available as an option, infuses the body cooling air with a finely vaporized citrus aroma for a comfortable and refreshing tanning experience.

Table of Contents.....	3	Front Cover Plate.....	21
Safety Instructions - further details	5	Removal of protective foils.....	21
Obligations of the Operator.....	5	Body Cooling Fan	21
Proper use of the Sunbed	6	Control.....	22
Improper Use.....	6	Control with coinbox control device	22
Hints at Residual Risks.....	6	Control without coinbox control device.....	22
Basic Safety Instructions	7	The Emergency Stop Button.....	22
Electrical Connection	7	Control Options	23
Safety Provisions	7	Facials.....	23
The right location	7	Body Cooling Fan	23
Operation.....	7	Ionizer.....	23
Transportation	7	Air Conditioning Unit (optional)	23
Cleaning	7	SunHaze aroma device (optional)	23
Maintenance.....	7	Exposure Time.....	23
Safety Instructions for Users	8	Sarting/Stopping a tanning session	23
Safety Devices	8	Definition of Skin Type.....	24
Emergency Stop Button	8	Recommended Exposure Time	
Mains Disconnection Switch	8	for ELIXIR Version 36-03.....	24
Delivery	9	Recommended Exposure Times	
Sunbed.....	9	for ELIXIR Version 40-00.....	25
Top and Front Cover Plate.....	9	Recommended Exposure Times	
Ballast Tray and additional components.....	9	for ELIXIR Version 40-03.....	25
Technical Data	10	Maintenance.....	26
Room Requirements	10	Maintenance Chart.....	26
General Lay-Out	11	Daily Maintenance Inspection prior to first Operation	26
Front View.....	11	The daily maintenance inspection includes:.....	26
The Rear View	12	Annual Inspection (or every 800 hours of	
The Control Panel.....	13	operation whatever occurs first).....	26
Transport	14	Body Cooling Fan	27
Transport with a fork-lift.....	14	Disassembly	27
Transport with a rolling truck/trolley.....	14	Assembly	27
Assembly and el. connection	14	Sunbed Plexi	28
Preparatory work at the site of installation	15	Lifting the sunbed plexi.....	28
Assembly Steps at the Sunbed.....	15	Disassembly	28
- rear side.....	15	Assembly	29
Pivot-Supports	15	Closing the Sunbed Plexi.....	29
Back plates	15	Top Plexi	30
Top	16	Disassembly	30
Spring Coverings.....	16	Assembly	31
Pivot-Support Coverings.....	17	Front Cover Plate.....	31
Exhaust Air Hoses	17	Disassembly	31
Electrical Cable, Time-Control Device,		Assembly	31
Coinbox Device.....	17	Low-Pressure Lamps and Starters.....	32
Ballast Tray	18	Disassembly	32
A/C trough	19	Assembly	32
A/C unit (optional).....	20		
SunHaze Aroma Device (optional).....	20		

Facial Filterglass Frames.....	33
Disassembly	33
Assembly	33
Facial Filters.....	33
Disassembly	33
Assembly	33
High-Pressure Lamps	34
Disassembly	34
Assembly	34
Ignitor for high-pressure lamp	35
Disassembly	35
Assembly	35
Show-Light.....	35
Disassembly	35
Assembly	35
Aroma Device	36
Disassembly	36
Assembly	36
Cleaning	36
Disassembly	37
Storage	38
Re-use	38
Troubleshooting	38
Disposal.....	38
Contacts:	38
Declaration of Conformity	38
Standards	38
Warranty	38

Safety Instructions

In this chapter you will find information on the proper and improper use of the sunbed, obligations of the operator, residual risks and general and specific dangers.

Read this chapter carefully prior to first operating the sunbed.

Always follow these safety instructions.

The operator is obliged to make sure that all safety instructions are known, understood, and strictly observed.

If you sell or in any other way dispose of this sunbed, include this Owner's Manual with the shipment.



Please send the name, address, phone or fax-number of the new owner immediately to Advanced UV Light or its authorized local/national distributor in order to provide up-dates about important or unexpected safety actions to the new owner.

Safety Instructions – further details

In this manual you find the following categories of safety instructions and notices:



DANGER!

Notices containing the word DANGER refer to a dangerous situation which can result in fatal or serious injuries.



CAUTION!

Notices containing the word CAUTION refer to a dangerous situation which can result in light injuries or damage to goods and property.



ATTENTION!

Notices containing the word ATTENTION refer to a situation which can result in damage to goods or in environmental damages.



These notices contain information on the use of the sunbed.

Obligations of the Operator

Advanced UV Light GmbH is not responsible for damages caused by improper use of the sunbed or disregard of the instructions provided in this manual.

The operator of this sunbed must ensure that only skilled and authorized personnel assembles this sunbed ready for use and operates, maintains, and cleans this sunbed.

- The operator must make this manual available to the staff performing transport and assembly work, and/ or performing operation, maintenance and cleaning jobs. Operator must also provide information on all applicable standards and regulations for the prevention of accidents at the workplace and provisions for a safe working-environment. Operator must ensure that all safety instructions are strictly observed.
- Prior to any use of the sunbed the operator or a person authorized by the operator must ensure that
 - the proper use of the sunbed is guaranteed and
 - all safety standards are observed.

Proper Use of the Sunbed

Only adult human beings whose skin is suitable for cosmetic tanning are allowed to use this sunbed.

The following persons suffering from one or more of the symptoms described below are not allowed to use a sunbed:

- increased sensitivity to UV-light,
- allergic reactions caused by UV-light exposure,
- skin diseases which would exclude cosmetic tanning
- coronary and circulatory diseases,
- symptoms of disease or
- other unidentified health problems or
- people with pace-makers or
- under medication or using medication which may have adverse effects in combination with UV-light exposure.

The recommended exposure times must always be observed. See recommended exposure schedules on page 24 or – for export units - separate attachment.

Use sunbed only with protective eye-wear.

This sunbed is designed exclusively for use in commercial tanning salons, fitness and beauty studios subject to the supervision and control of specially trained operational staff.

The proper use of the sunbed includes to consider with due diligence all the information provided in this manual and - in particular - to observe all safety instructions.

Every other use of the sunbed is regarded as an improper and unsuitable use of the sunbed and may result in damages to goods or property or eventually to serious personal harm. Advanced UV Light GmbH is not responsible for injuries due to improper use.

Improper Use

The use of this sunbed

- by children
- by persons suffering from diseases,
- by people disregarding recommended exposure times
- by people not wearing protective eye-wear are improper uses of this sunbed and may cause personal injuries.

Advanced UV Light GmbH is not responsible for injuries caused by improper use.

Hints at Residual Risks

This sunbed is designed according to state-of-the-art standards and acknowledged safety regulations as well as all relevant technical standards.

The construction is designed to prevent potential dangers or to make due provisions for eventual dangers.

Despite of these provisions there still remain residual risks when using this sunbed.

Eventual dangers for persons as well as goods and property can be caused by

- operation of the sunbed in an improper way,
- use of the sunbed in an improper way or
- transportation of the sunbed in an improper way, the start-up/turn off of the sunbed in an improper way, maintenance or or cleaning in an improper way.

Basic Safety Instructions

- Observe all Safety Instructions attached to the sunbed and provided in this manual.
- Only authorized and skilled personnel is allowed to transport, assemble, start-up and disassemble the sunbed.
- Service personnel of Advanced UV Light GmbH and its authorized distributors' are considered as trained staff with the necessary expertise. This also includes skilled electrical personnel who due to their training and practical expertise provide appropriate handling and service and who are aware of all potential dangers.
- Avoid any use or handling that may incur certain risks.
- Transportation, disassembly, assembly, maintenance and cleaning (i.e. of low-pressure lamps) must only be performed after the unit has completely cooled down.

Electrical Connection

- Operation of the sunbed is only allowed if the unit is connected and secured on the site in compliance with the technical requirements stated on the type label and in accordance with local electrical standards.
- Operation of the sunbed is only allowed, if a mains disconnection switch.
- Ensure that liquids (i.e. cleaning solutions) do not get into the sunbed. Stop the mains supply immediately by activating mains disconnection switch and secure it with lock and key in case any liquids have entered into the sunbed.
- Prior to performing any jobs on the sunbed, i. e. transportation, assembly, disassembly, maintenance and cleaning the mains supply must be switched off. In addition, the mains disconnection switch must be secured with lock and key against unauthorized or accidental turn on.

Safety Provisions

- Use the sunbed only when in fault-free technical condition. All protection and safety devices must be assembled and in working condition.
- Use the sunbed only with installed front cover plate.
- All DANGER-labels and notices must be immediately replaced when damaged.
- Do not use the sunbed with defective filters or timer.

Suitable Site of Installation

- Do not install the sunbed in damp rooms or in rooms where there is a risk of explosions.
- Do not keep or store any containers with explosive materials, i. e. spray cans, close to the sunbeds.
- Smoking and open flames are prohibited within proximity of the sunbed.
- Do not expose materials that may suffer damage from UV-light exposure to the UV-rays emitted from this sunbed.

Operation

- Do not cover or block ventilation (i. e. air entry) or cooling devices to avoid potential thermal damages.
- Before or after each use, check the sunbed for obvious outer damages or defects and eliminate immediately.
- Defects which may affect the safe operation of the sunbed must be communicated immediately to the responsible person in charge on the owner/operator' s behalf. Discontinue the use of the sunbed until all of these defects have been removed.

Transportation

- All devices used for transportation must be adequate to the weight of the sunbed.
- All applicable standards and regulations to prevent accidents at the work-place must be observed.
- All paths of transportation must be blocked and clearly marked to prevent injuries caused by transportation vehicles or the load.

Cleaning

- Clean and disinfect the sunbed prior to each use. Remove rests of sanitary foils or other substances.
- Never clean the sunbed with abrasive or corrosive cleaning materials. Do not use any tools with sharp edges.

Maintenance

- All maintenance instructions and intervals must be observed.
- Use only original spare parts as provided by Advanced UV Light GmbH or its authorized distributors. In any other case you need authorized service personnel to approve of these parts being in compliance with technical specifications as required by manufacturer.

Safety Instructions for Users

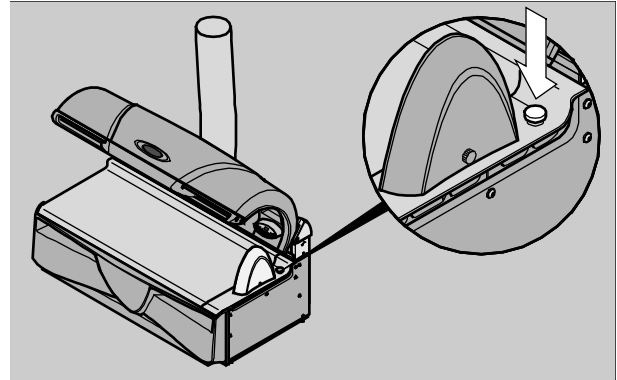
UV-light can cause damage to your skin and your eyes.

- Persons with very light skin, many freckles, fair to reddish hair and light eyes and nipples are not allowed to use a sunbed.
- Always wear protective eye-wear during a tanning session and close your eyes.
- Take out contact lenses prior to a tanning session.
- Remove make-up or any cosmetics several hours before taking a tanning session. Cosmetics may have unwelcome side-effects and can cause adverse skin reactions.
- Take only 1 (one) tanning session a day.
- For the first two sessions observe an interval of 48 hours.
- For the following sessions observe an interval of minimum 24 hours between tanning sessions.
- After a tanning session, do not tan in the natural sun on the same day.
- Stop exposure immediately when you notice physical symptoms or adverse skin reactions. If the symptoms do not disappear after a short time, consult your physician.
- Do not use drugs which promise to tan the skin without UV-light exposure in combination with a tanning session. This combination may increase the risk of a sunburn.
- Do not use any self-tanning creams or lotions. These products may contain ingredients which can increase the effects of UV-light exposure in an unforeseen and unwelcome way.
- Do not use any creams or lotions with a sunscreen designed for outdoor tanning. These products may contain substances which can influence the effects of artificial UV-light exposure in an unwelcome way. Use only products designed specifically for indoor tanning.
- Immoderate tanning results in overexposure. If skin shows signs of blisters or irritation, consult physician immediately.
- Over-exposure to UV-radiation emitted either by the sun or indoor tanning equipment can cause premature aging of the skin and increase the risk of skin cancer.
- The unprotected eye can catch conjunctivitis and in some cases overexposure can seriously damage the retina. Repeated exposures increase the risk of cataracts.

Safety Devices

Emergency Stop Button

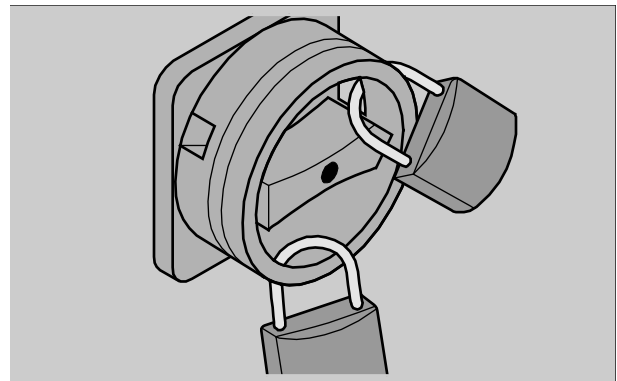
In case of danger all low- and high-pressure (HID) facial lamps of the sunbed can be switched off immediately by pushing the Emergency Stop Button. The ventilation system will switch off after a short delay time.



⇒ In case of danger push the Emergency Stop Button
Low-pressure lamps and HID facial lamps will switch off.

Mains Disconnection Switch

The mains disconnection switch must be installed at the site. During breaks of operation and after hours the mains supply must be disconnected with the mains disconnection switch. The switch must be secured with lock and key against unauthorized reconnection.



- ⇒ If you want to disconnect the mains supply, turn the mains disconnection switch into position "O".
The mains supply is disconnected.
- ⇒ Put the lock into the opening of the switch..
- ⇒ Close the lock.
- ⇒ If you want to reconnect the mains supply, remove the lock.
- ⇒ Turn the mains disconnection switch into position "I".

Delivery

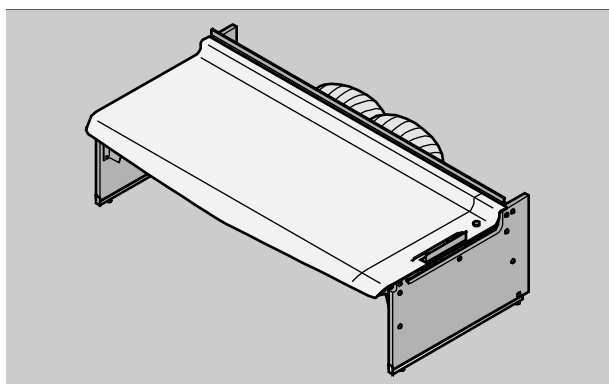
On delivery you will receive 3 or 4 boxes respectively.

- ⇒ Check boxes immediately for signs of any transport damages.
- ⇒ Inform forwarder immediately if you notice any relevant and obvious damages.
- ⇒ Check immediately if you have received a complete shipment as shown below.

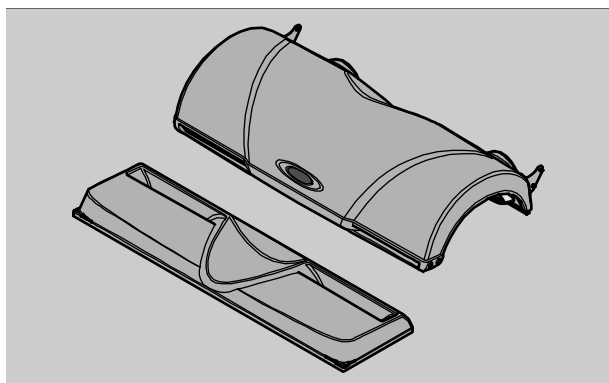


As an option delivery may include additional boxes with A/C unit and SunHaze device.

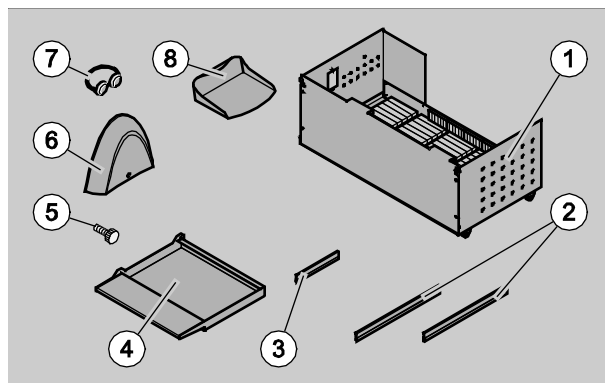
Sunbed



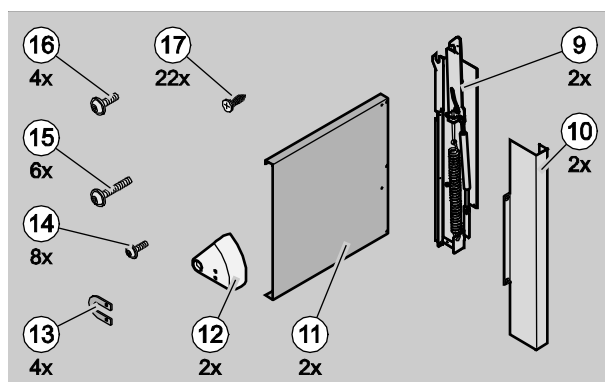
Top and Front Cover Plate



Ballast Tray and additional components



1	Ballast Tray
2	Long brush seal
3	Short brush seal
4	A/C trough
5	Black thumb screw for body cooling fan
6	Body cooling fan
7	Protective eye-wear
8	Head-rest



9	Pivot support
10	Spring covering
11	Back-plate
12	Pivot-support covering
13	U-bracket
14	Threaded screw M5x10
15	Long socket head cap screw M10x40
16	Short socket head cap screw M10x20
17	Sheet metal screw

Technical Data



Please see also technical data on the type label. For Northamerican equipment see separate data sheets.

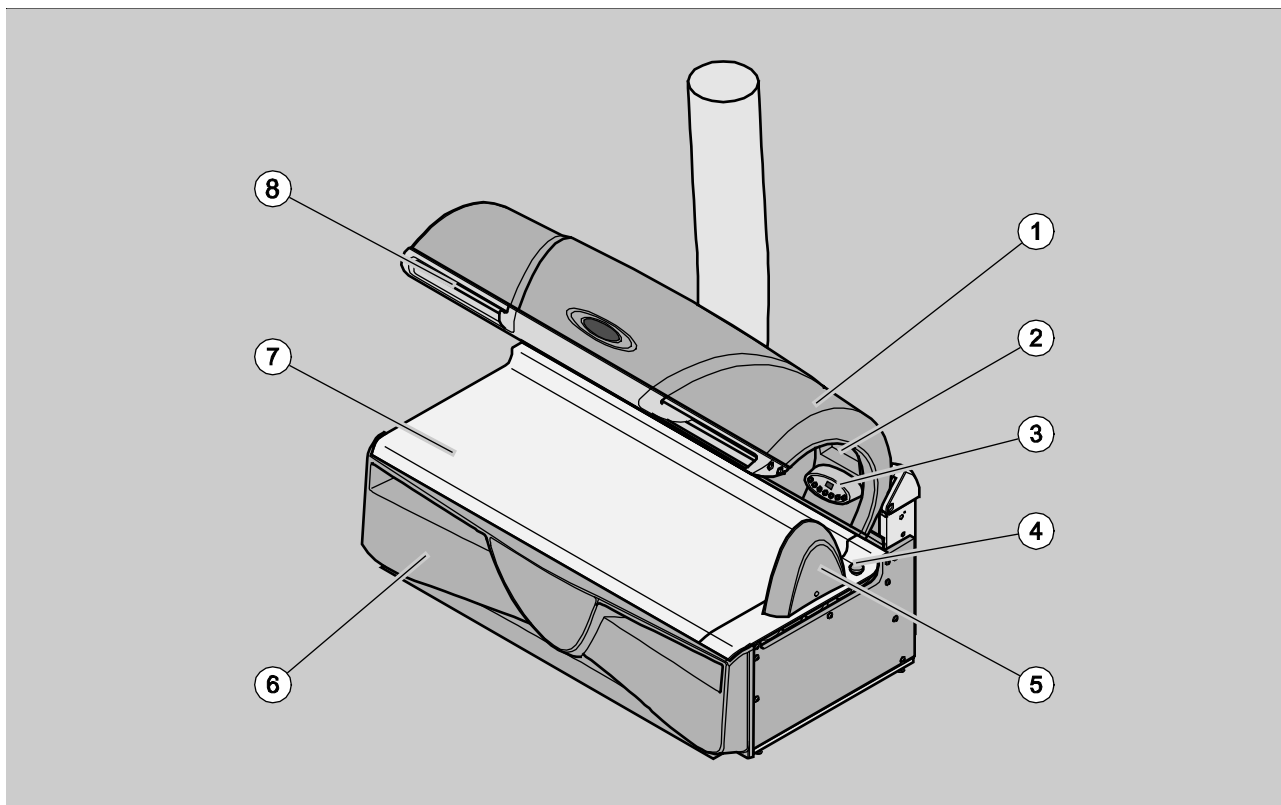
Dimensions	Length	2250 mm		
	Depth	1200 mm		
	Height (top open)	1180 mm		
	Height (top closed)	1690 mm		
	Entry level	600 mm		
Weight	Unit, cpl. without A/C unit	ca. 350 kg		
	Sunbed	ca. 125 kg		
	Top	ca. 100 kg		
	Ballast Tray	ca. 125 kg		
Configuration (Standard Version)	36-03	36 x 180 cm Low-pressure lamps		
		Facials 3 x 300/500 W		
	40-00	40 x 200 cm Low -pressure lamps		
		no facials		
	40-03	40 x 180 cm Low-pressure lamps		
		Facials:	Left & Right:	2 x 650 W
			Center:	1 x 1000 W
Room Ventilation and Exhaust Air	Required access to open air	200 mm x 200 mm		
	Exhaust air volume	2500 m³/h		
	Main exhaust air stack	Diameter 300 mm, Length max. 4 m		
Electrical Connection (only for EU-Standard Versions)	Operational voltage	400 V / 50 Hz / 3 ph NPE		
	Configuration (Standard versions)	36-03	40-00	40-03
	Total wattage (without A/C)	ca. 7000 W	ca. 8800 W	ca. 9750 W
	Fusage	3 x 25 A	3 x 32 A	3 x 32 A
	Required wire gauge on the site	5 x 4 mm²	5 x 6 mm²	5 x 6 mm²
	flexible Wire Europa HO5VV-F			
	FI-Switch on the site	3 x 25/32 A		

Room Requirements

Required space for operation and maintenance	min. 2,5 x 2,5 m
Floor, level, load capacity	min. 1.8 kN/m²
Ambient temperature	+10 °C bis +30 °C
Relative humidity	max. 65%

General Lay-Out

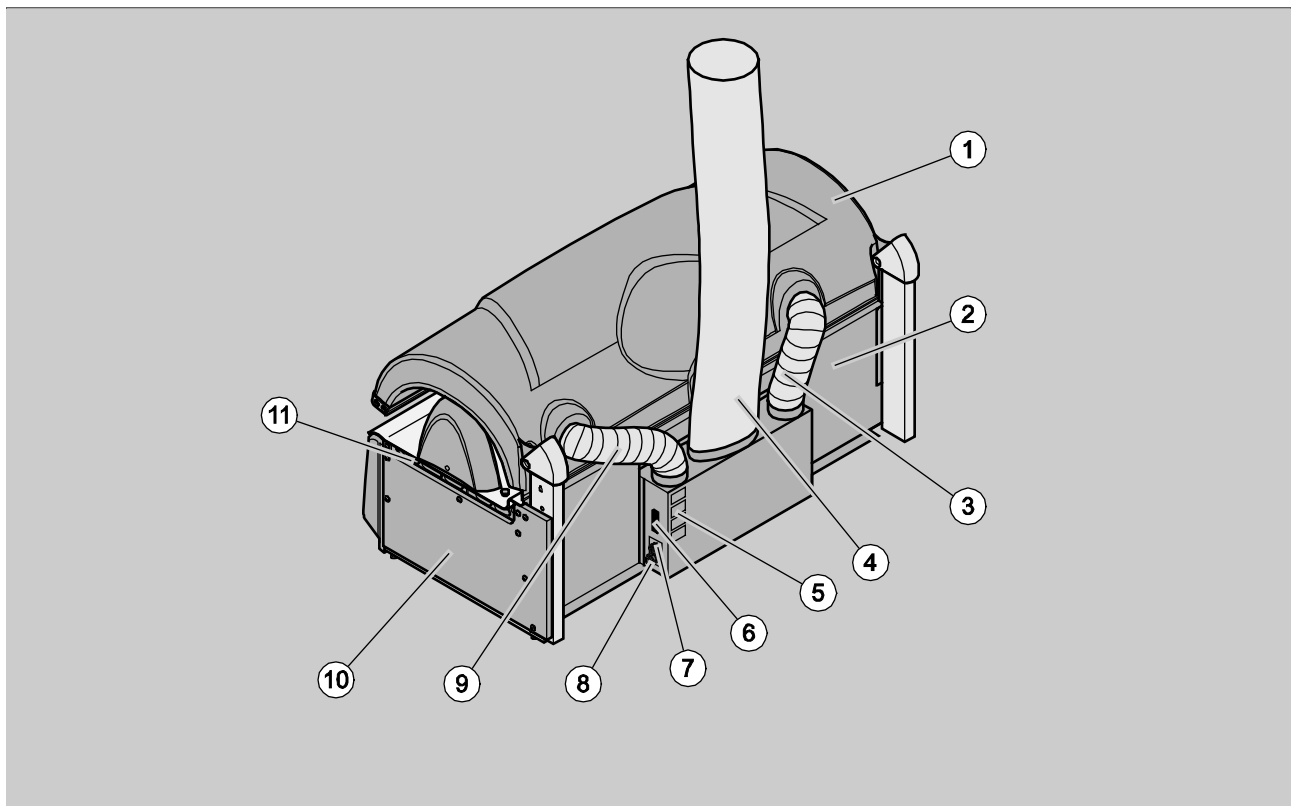
Front View



1	Top
2	Facials
3	Control Panel
4	Emergency Stop Button

5	Body Cooling Fan
6	Front Cover Plate
7	Sunbed Plexi
8	Silver-coloured Top Profile

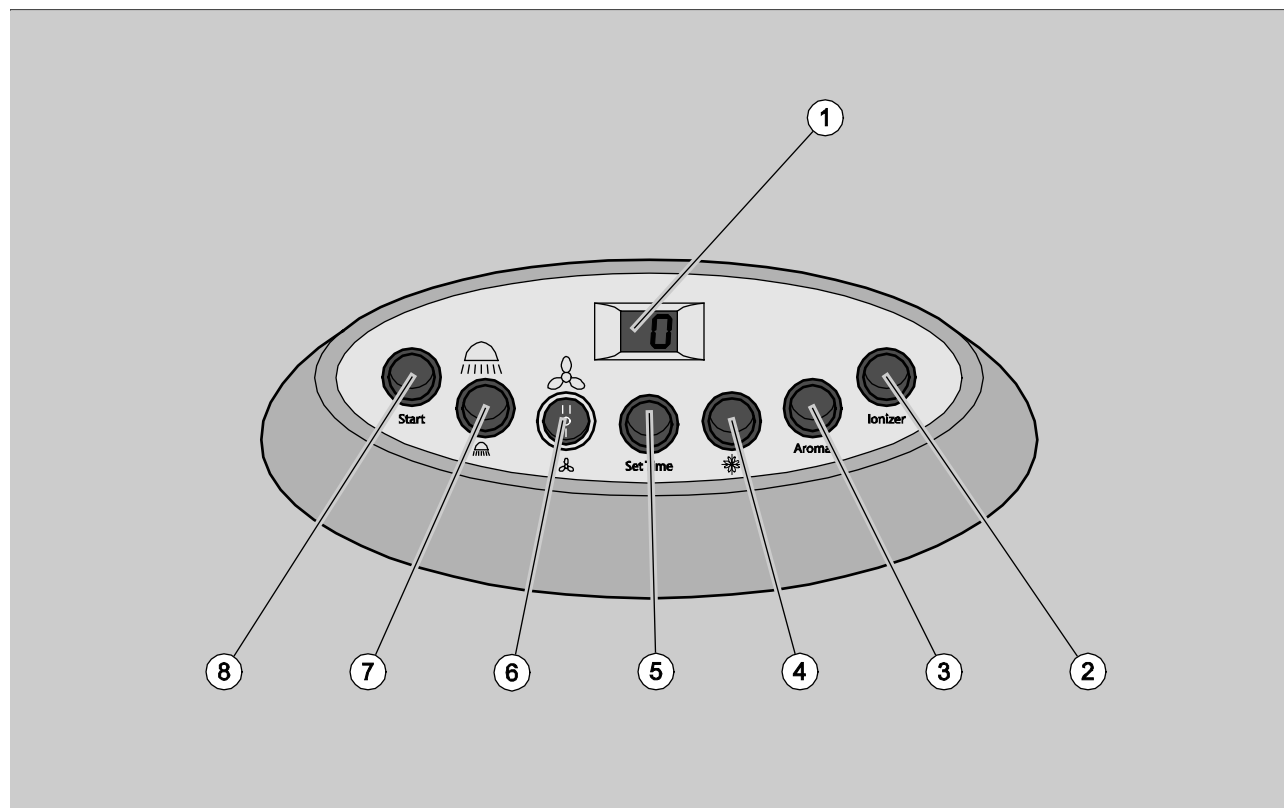
Rear View



1	Top
2	Back Plate
3	Exhaust Air Hose – footend
4	Main Exhaust Air Hose
5	Type Label
6	Connection for Coinbox or Control-Device (Timer) (I/O-Board)

7	Screwed Gland for Electrical Connection Coinbox-Control device
8	Screwed Gland for Electrical Connection
9	Exhaust Air Hose - headend
10	Sunbed – side plates
11	Fresh Air Entry – right & left

The Control Panel




1		Display -displays tanning time	5		Set Time Sets exposure time (only for units without external control device)
2		Ionizer ON/OFF - neutralizes tanning odour	6		Body Cooling Fan - High Intensity - OFF - Low Intensity
3		Optional: Aroma Device ON/OFF - refreshing aroma on demand	7		Facials - High Intensity - Low Intensity
4		Optional: A/C unit ON/OFF	8		Tanning Session Start/ Stop / Remote Start

Transport




DANGER
MOVING LOAD!
Risk of injuries by moving load or transport vehicles. Block all transport paths to prevent personal injuries caused by transport vehicles or the load.



DANGER
Risk of Falling or Slipping!
Due to its great weight, the components of the sunbed can cause bruises when falling down or slipping.
Wear safety shoes!

Transport with a fork-lift

- ⇒ If the sunbed is mounted to a pallet, drive the forks carefully into the pallet openings.
- ⇒ If the sunbed is not mounted to a pallet, four (4) persons carefully lift the individual boxes onto the forks.




DANGER
TOPPLING LOAD!
The heavy load can cause personal injuries or material damages when toppling down. Tilt the lift forks slightly backwards to prevent the load from toppling down.

- ⇒ Lift the load only for a few centimeters.
- ⇒ Drive the load carefully to the place of installation.

Transport with a rolling truck/trolley

- ⇒ Four (4) persons lift a single box onto the trolley
- ⇒ Roll the box carefully to the place of installation.
- ⇒ Four (4) persons carefully lift the box from the trolley.
- ⇒ Repeat the same procedure for all 3 boxes.

Assembly and el. connection



DANGER
FAULTY ASSEMBLY!
Incorrectly performed assembly and connection work can result in serious damages and fatal injuries.
Only service technicians and skilled electrical personnel are allowed to perform assembly work and electrical connection.

Four (4) persons are needed to perform the assembly job.
For assembly of the sunbed, proceed in the following order:

- Preparations at the site of installation
- Assembly steps at the sunbed – rear side:
 - Pivot support
 - Back plates
 - Top
 - Spring coverings
 - Coverings for pivot support
 - Exhaust Air Hoses
 - Electrical wires
 - Connection wires of timer control device or coinbox.
- Assembly steps at the sunbed – front side:
 - Ballast Tray
 - A/C trough
 - A/C unit (optional)
 - Aroma device (optional)
 - Front Cover Plate
 - Removal of protective foils
 - Body Cooling Fan

For assembly of the sunbed you need the following tools:

- Allan key (hexagon socket screw key) , 6 mm
- Philips-screwdriver (crosstip screwdriver)
- Slotted screwdriver

Preparatory work at the site of installation



CAUTION HEAVY LOAD!

Overstraining when carrying the heavy sunbed components can cause serious damages to your health. Always carry the heavy components of the unit with four (4) persons.

- ⇒ Bring the boxes to the site of installation. Observe instructions provided in the previous chapter "Transport"
- ⇒ Four (4) persons lift the sunbed from the pallet and move it to the place of installation.



ATTENTION

Some components may easily get scratched. Do not knock at components. Do not damage or scratch surfaces, i. e. with assembly tools.

- ⇒ Open the box and unpack the sunbed as much as possible.
- ❗ Initially, position the sunbed in such a way, that there is enough space for necessary assembly work at the rear .
- ⇒ Four (4) persons lift the sunbed out of the box.
- ⇒ Four (4) persons carry the box with the ballast tray to the place of installation and set it down in front of the sunbed.
- ⇒ Check if shipment is complete.



ATTENTION!

Do not move the ballast tray sideways. The wheels can move forwards and backwards but not sideways. When pushing the ballast tray sideways, the wheels may break.

- ⇒ Four (4) persons take the ballast tray out of the box. Store for further use.

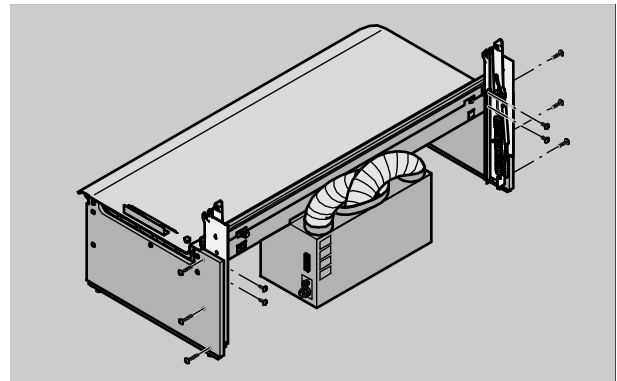
Assembly Steps at the Sunbed

- rear side

- ⇒ Keep the following items ready for use at the rear side of the sunbed:
 - 2 pivot supports,
 - 6 long (M10x40) and 4 short (M10x20) hexagon socket screws
 - 2 back plates
 - 10 metal sheet screws
- ⇒ Unpack these items.

Pivot-Supports

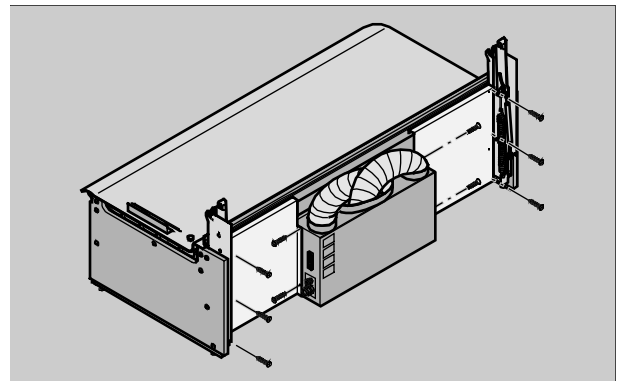
- ⇒ Mount the first pivot support to the sunbed as shown below.



- ⇒ Put the 5 screws into the threaded holes, three long ones at the sides, two short ones below the spring. Fasten screws thumb-tight.
- ⇒ Tighten the five screws with screwdriver.
- ⇒ Mount the second pivot support following the same procedure.

Back plates

- ⇒ Mount the back plates to the sunbed as shown below.



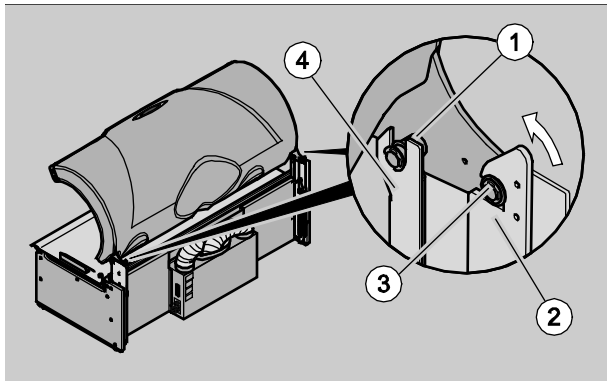
- ⇒ First, fasten the screws hand-tight.
- ⇒ Tighten the screws with screwdriver.

Top

- ⇒ Keep the following items ready for use at the rear side of the sunbed:
 - 4 U-brackets
 - 8 threaded bolts M5x10
- ⇒ Four (4) persons carry the box which contains the top and the front cover plate to the place of installation and set it down.
- ⇒ Open the box and remove loose packing and padding material.
- ⇒ Four (4) persons lift the top out of the box and set it in front of the sunbed.
- ⇒ Store the front cover plate for further use.
- ⇒ Four persons (4) lift the top in level position over the sunbed. The exhaust air openings must show to the rear side of the sunbed.



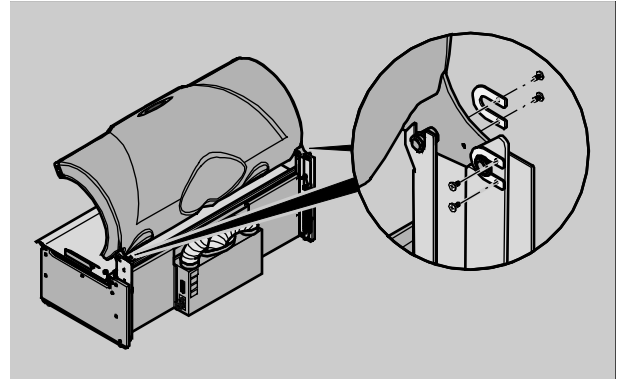
- ⇒ Let the hinge bolts (1) of the top slide into the fork of the pivot support (4)



- ⇒ Carefully tilt the top backwards so that the hauling lugs (2) of the pivot supports lock on both sides over the tie-bolts (3) of the top.
- ⇒ Close the top carefully and let it go.

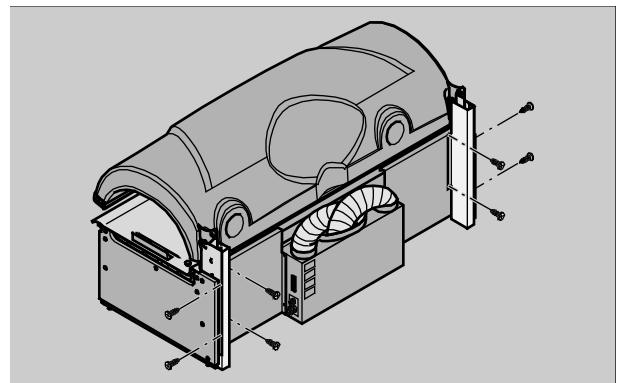
- i** The hinge and tie bolts of the top are secured with U-brackets.
 This prevents the bolts of the top from sliding out of the hauling lugs or pivot support forks respectively.

- ⇒ Put one U-bracket each around the tie-bolts and fasten with two screws to the hauling lug.
- ⇒ Put one U-bracket each around the hinge-bolts and fasten with two screws to the pivot-support. .



Spring Coverings

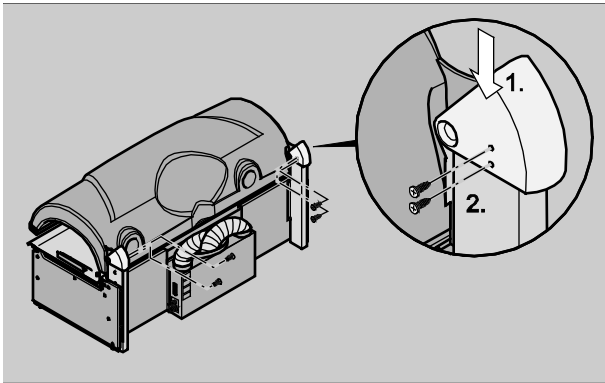
- ⇒ Keep the following items ready for use at the rear side of the sunbed:
 - 2 Spring Coverings,
 - 2 Pivot support coverings
 - 12 Metal sheet screws
- ⇒ Unpack these items.
- ⇒ Mount the spring coverings to the pivot supports as shown below.



- ⇒ At first, fasten 4 screws each hand-tight.
- ⇒ Tighten screws with screwdriver.

Pivot-Support Coverings

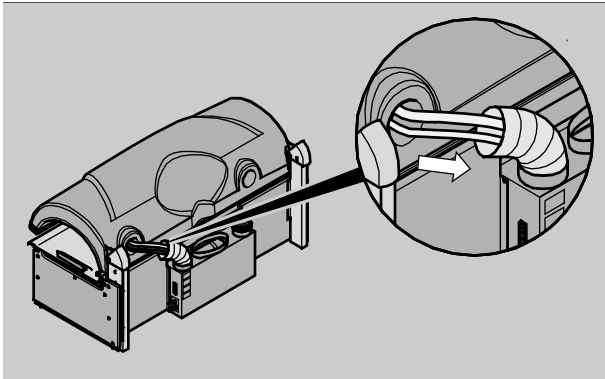
- ⇒ Mount the first pivot support covering as shown below to the pivot support:



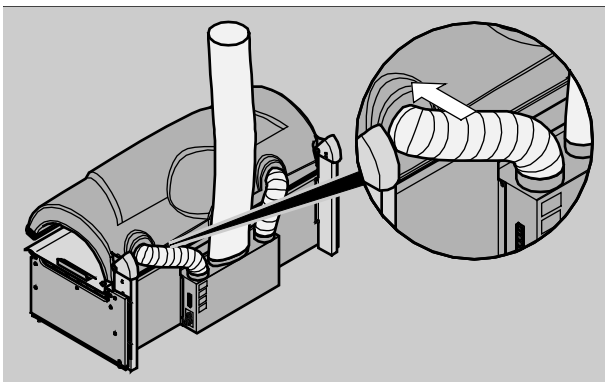
- ⇒ Fasten the two screws hand-tight.
- ⇒ For assembly of the second pivot support covering, follow the same procedure.

Exhaust Air Hoses

- ⇒ Feed the wires of the head—end through the exhaust air hose of the head-end.



- ⇒ Push the exhaust air hose of the head-end over the hose collar of the exhaust air duct at the head-end.




- ⇒ Fix the exhaust air hose with the hose clip.

- ⇒ Push the exhaust air hose of the foot-end over the hose collar of the exhaust air duct at the foot-end.
- ⇒ Fix the exhaust air hose with the hose-clip.

- i** The main exhaust air hose leads the exhaust air of the main exhaust air duct into the locally provided exhaust air system.
As an option, Advanced Light UV offers a main exhaust air hose and a hose clip for connection to the on-site exhaust air system.

- ⇒ Squeeze the main exhaust air hose carefully into an oval shape.
- ⇒ Push the egg-shaped main exhaust air hose over the main exhaust air duct.
- ⇒ Fix the main exhaust air hose with a hose clip.
- ⇒ Connect the main exhaust air hose to the on-site central exhaust air system.

Electrical Cable, Time-Control Device, Coinbox Device



DANGER

RISK OF ELECTRIC SHOCK

Disconnect completely from mains supply with the mains disconnection switch prior to performance of any maintenance work. Secure the mains disconnection switch with lock and key against accidental and unauthorized activation. Else there is a risk of fatal electric shock.

- ⇒ Feed the electrical cable through the screwed gland for the electric cable at the main exhaust air duct.
- ⇒ Push approx. 1,5 m electrical cable through the lower screwed gland in order to connect it to the ballast tray.
- ⇒ Turn the screwed gland clockwise until the electrical cable fits tightly and is secured against slipping out.
- ⇒ If you want to connect a coinbox control device, push approx. 1.5 m of the electrical connection cable through the upper screwed gland.
- ⇒ Fasten the screwed gland for the electrical cable of the coinbox control device.
- ⇒ If you want to connect a time control device (Timer) push the terminal of the time control device into the terminal strip for the I/O board at the main exhaust air duct.

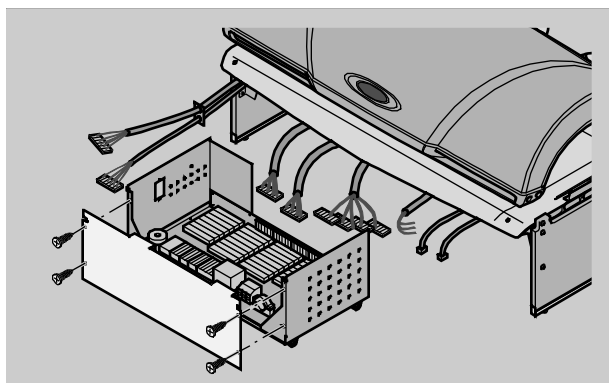
- ⇒ Four (4) persons carry the sunbed carefully to its final position for installation.
- ⇒ Assembly at the sunbed front side
- ⇒ Pull all of the connection cables out of the main exhaust air stack to the front.

Ballast Tray

- ⇒ Four (4) persons carry the ballast tray to its draw-pull position in front of the sunbed.

i For transport purposes the front sheet of the ballast tray has been mounted upside- down by manufacturer.

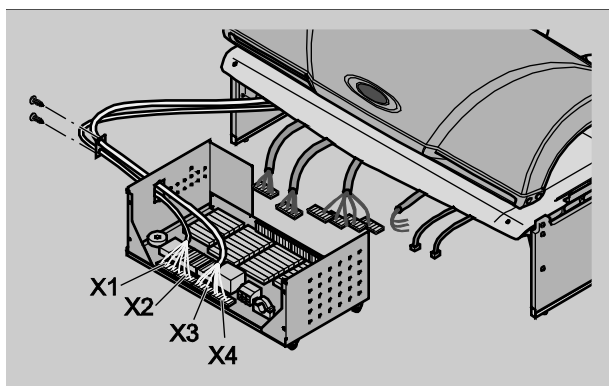
- ⇒ In order to disassemble the front sheet of the ballast tray, loosen the 4 screws which hold the sheet.



- ⇒ Lift the front sheet upward to remove it from the ballast tray.
- ⇒ Store the front sheet for further use.
- ⇒ Remove the 2 screws at the opening of the left side plate of the ballast tray.

i The connection cables of the sunbed are attached to a cable-plate. The cable plate is mounted above the opening on the left side of the ballast tray.

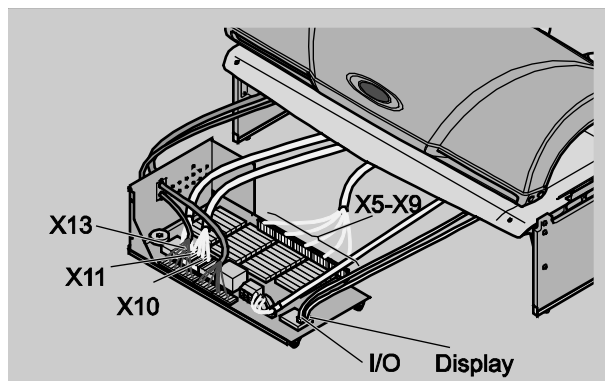
- ⇒ Pull the connection cables of the sunbed through the opening of the left side plate of the ballast tray.



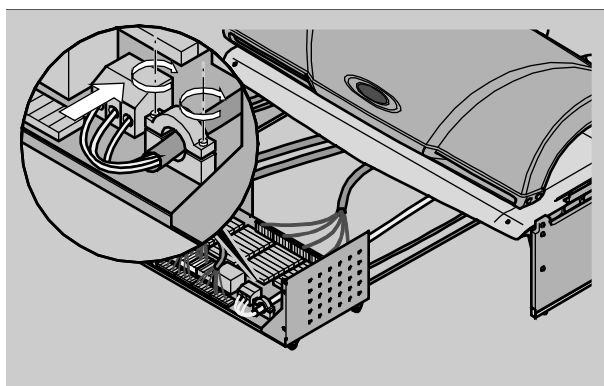
- ⇒ Mount the cable plate with two screws at the opening in the left side panel of the ballast tray.

i Each terminal plug is numbered and bears a colored mark. Connect each terminal plug with the corresponding number and colour on the terminal strip.


- ⇒ Connect terminal plug X1–X4 with corresponding X1–X4 on the terminal strip.
- ⇒ Pull the connection cables from the headend from the rear into the ballast tray.



- ⇒ Connect terminal plugs X5–X11 with corresponding X5–X11 on the terminal strip.
- ⇒ Pull the Display- cable, the I/O-Board-cable and the electrical cable from the sunbed and eventually the coinbox device cable from the rear into the ballast tray.
- ⇒ Connect the terminal plug marked "Display" with the terminal socket marked "Display".
- ⇒ Connect the terminal plug marked „I/O-Board“ with the terminal socket marked „I/O-Board“.
- ⇒ If you want to connect a coinbox control device put the plug of the electric cable into the socket marked "X13".
- ⇒ Put the electric cable from the sunbed from the back through the cable holder.



- ⇒ Pull enough cable through to connect it to the terminals.
- ⇒ In order to hold the electric cables in place, fasten the screws of the cable holder.

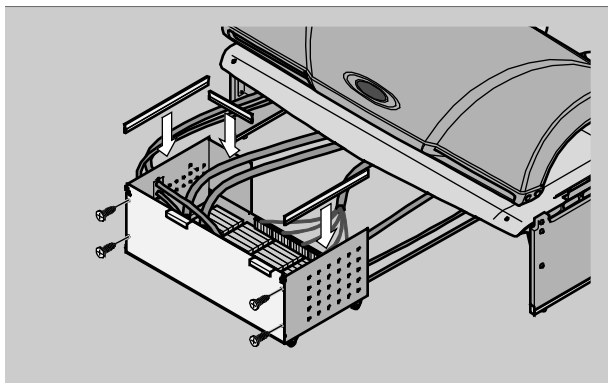


DANGER

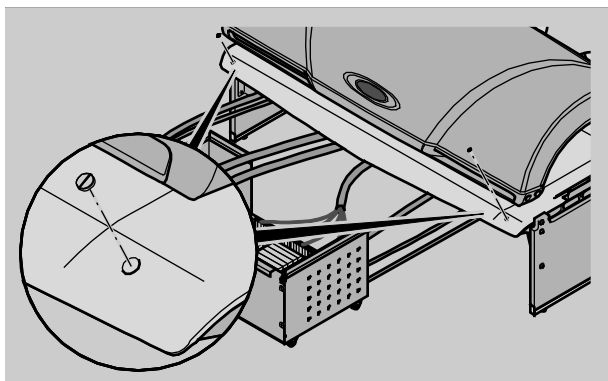
RISK OF ELECTRIC SHOCK

The electrical connection must be performed by a skilled person, qualified according to all applicable national/ local electrical standards and regulations, i. e. EN 60201-1/VDE 0113 or corresponding standards.

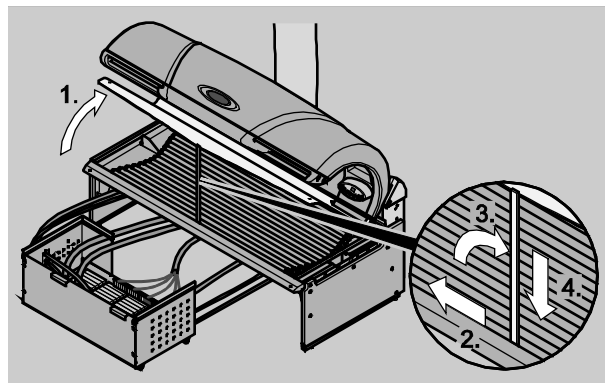
- ⇒ Connect the phases of the electric cable to the terminals.
- ⇒ Mount the front sheet of the ballast tray with the handles in front to the ballast tray.



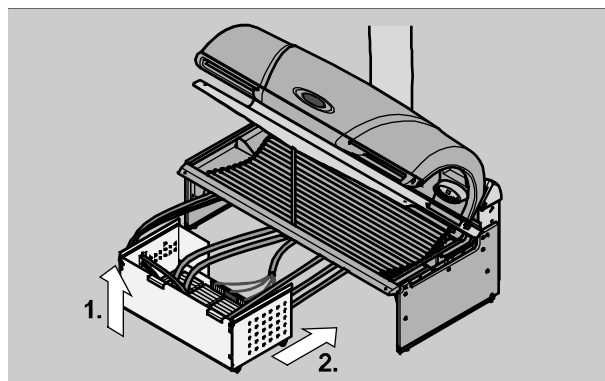
- ⇒ Fasten the front sheet with four screws.
- ⇒ Push the brush seals onto the side plates and the back plate of the ballast tray.
- ⇒ Unloosen the screw on the sunbed plexi.



- ⇒ Open the top.
- ⇒ Lift the sunbed plexi and hold tight.

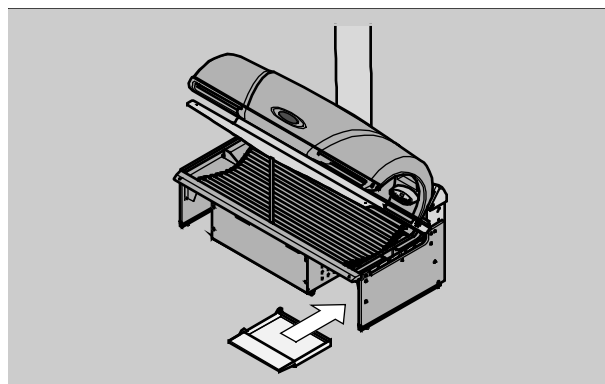


- ⇒ Tilt the sunbed plexi support slightly to the left and tilt upwards.
- ⇒ When the support is in vertical position, let it down until it locks.
- ⇒ Let the plexi rest on the support to prevent the plexi from falling down.
- ⇒ Two (2) persons lift the ballast tray by a few centimeters in the front and then push it under the sunbed.



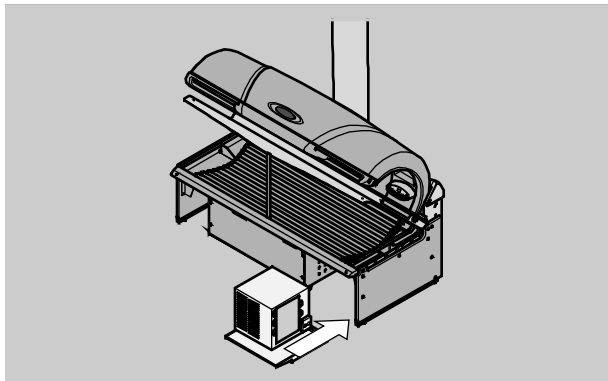
A/C trough

- ⇒ Unpack the A/C trough.
- ⇒ Push the A/C trough under the sunbed..

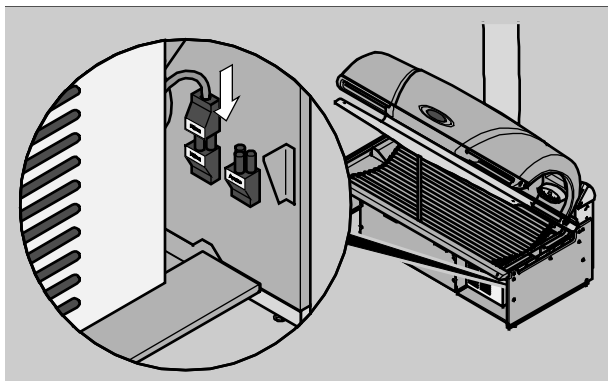


A/C unit (optional)

- ⇒ Unpack the A/C unit.
- ⇒ Pull out the A/C trough from under the sunbed.
- ⇒ Put the A/C unit onto the A/C trough.
- ⇒ Push the A/C trough with the A/C unit under the sunbed.



- ⇒ Connect the terminal plug with the terminal socket marked "Klima".



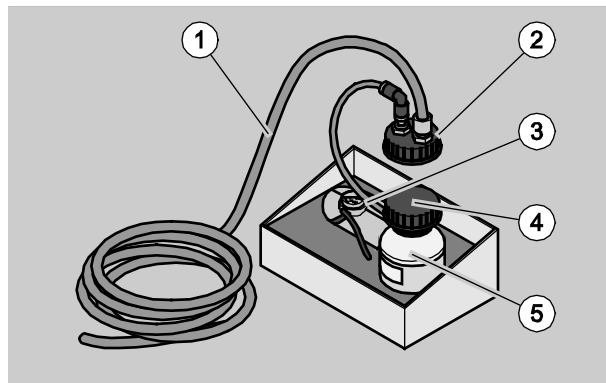
SunHaze Aroma Device (optional)

See also separate Manual provided with the Aroma Device

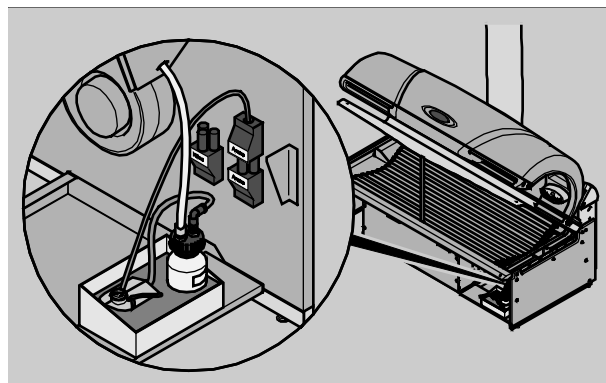
- ⇒ Unpack the aroma device.

i The aroma device is delivered with a full container of aroma solution.

- ⇒ Unscrew the closing lid (4) from the container (5).



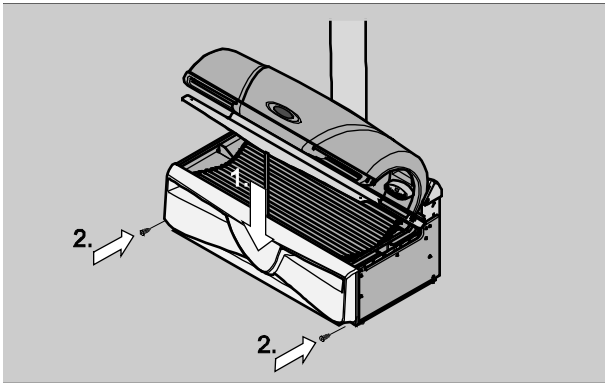
- ⇒ Unscrew the vaporizer-lid (2).
- ⇒ Connect one end of the hose (1) to the vaporizer lid as shown above.
- ⇒ Put the aroma device on the A/C trough.
- ⇒ Connect the terminal plug with the terminal socket marked „Aroma“.



- ⇒ Push the free end of the hose into the opening at the body cooling fan stack.

Front Cover Plate

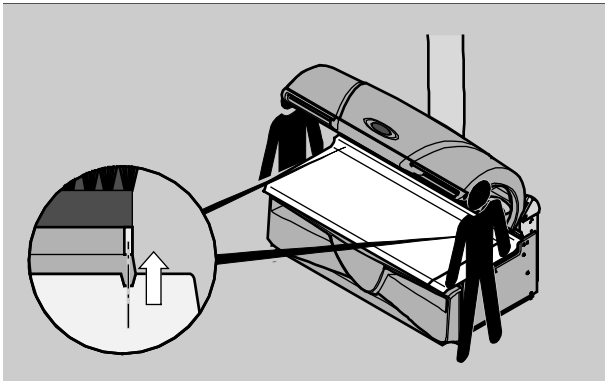
- ⇒ Hang the front cover plate with the hooks into the sunbed.



- ⇒ Fasten both quick connection to fix the front cover plate.

Removal of protective foils

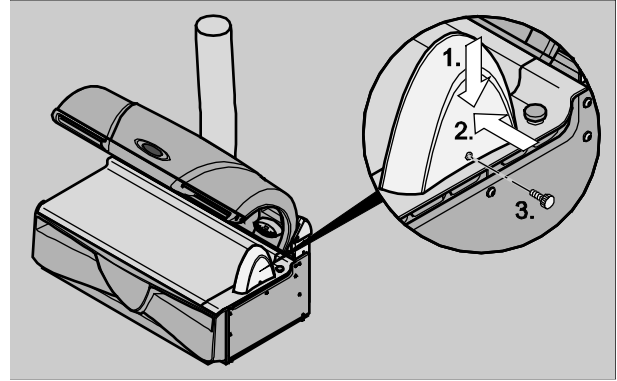
- ⇒ Slightly lift the sunbed plexi.
- ⇒ Slightly lift the plexi support and tilt it to the left.
- ⇒ Two (2) people hold the sunbed plexi.
- ⇒ Slightly lower the sunbed plexi.
- ⇒ Pull the sunbed plexi carefully out of its holding groove.
- ⇒ Remove the foil from the sunbed plexi.
- ⇒ Push the sunbed plexi back into its holding groove. Take care that the notches in the sunbed plexi match with the guide nibs. This is the only correct position for the sunbed plexi.



- ⇒ Let the sunbed plexi down and secure plexi with the two screws.
- ⇒ Remove the protective foil from the top, the top plexi and the front cover plate.


Body Cooling Fan

- ⇒ Unpack the body cooling fan.
- ⇒ Remove the protective foil.
- ⇒ Mount the body cooling fan in such a way to the body cooling support plate that the air vents show towards the sunbed bench.
- ⇒ Move the body cooling fan slightly forward until it locks.



- ⇒ Fasten the body cooling fan with the thumb screw to the body cooling fan support.

Control



**DANGER
UV- RADIATION!**

UV- rays can cause serious injuries to the eyes. Always wear protective eye wear during a tanning session.

UV-rays can cause serious damage to your skin. Avoid overexposure – always observe recommended exposure times according to your skin type.

Control with coinbox control device

⇒ Insert coin or token.

The sunbed starts up.

⇒ Open the top.

⇒ Lay down on the sunbed bench.

⇒ Close the top.

⇒ If you want to shorten pre-set delay time, push "Start" on the control panel.

The tanning session starts.

⇒ Select individual preference for intensity of body cooling fan, facials, and – optionally – SunHaze aroma device and A/C unit.

The tanning session stops after pre-set tanning time has run out.

⇒ Switch off the Ionizer, the aroma device and the A/C unit.

⇒ Put the facials and the body cooling fan back into highest intensity position

⇒ Open the top and leave the sunbed.

⇒ Clean and disinfect the sunbed as described in the chapter "Cleaning" on page 36.

Control without coinbox control device

⇒ Open the top.

⇒ Lay down on the sunbed bench.

⇒ Close the top.

The display shows maximum tanning time.

⇒ If you want to shorten maximum tanning time, push the

"Set Time"-button on the control panel until the display shows selected tanning time.

⇒ Push the "Start" button.

The tanning session starts. The display shows run-out tanning time.

⇒ If you want to interrupt the tanning session, push the "Start"-button again.

The tanning session stops.

⇒ If you want to continue the tanning session, push the "Start"-button again.

The tanning session continues.

The tanning session stops after pre-set tanning time has run out.

⇒ Switch off the ionizer, the SunHaze aroma device and the A/C unit.

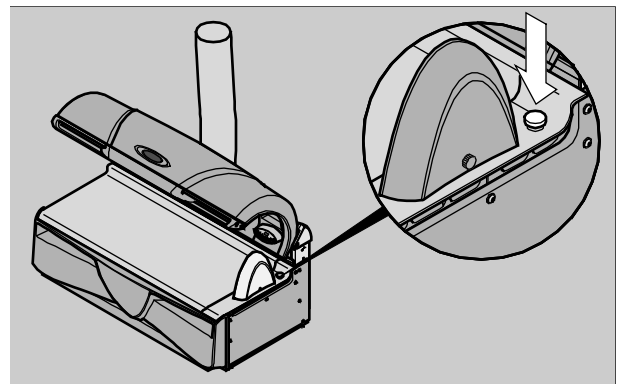
⇒ Put the body cooling fan and the facials back into highest intensity position.

⇒ Open the top and leave the sunbed.

⇒ Clean and disinfect the sunbed as described in the chapter "Cleaning" on page 36.

The Emergency Stop Button

In an emergency situation the unit can be switched off by pushing the Emergency Stop Button. UV light emission stops immediately. The main ventilation stops after a short delay time.



⇒ Push the Emergency Stop Button.

The sunbed stops the tanning session. UV-light emission stops immediately.

⇒ Open the top and leave the sunbed.

⇒ Inform the operator of the sunbed.

In order to resume operation of the sunbed, the Emergency Stop Button must be unlocked.

⇒ Turn the red knob of the Emergency Stop Button clockwise by approx. 90 degrees.

Control Options

Facials



The intensity of the facials can be set at high or low intensity.

- ⇒ To select high intensity put the switch into the position of the big lamp icon.
- ⇒ To select low intensity, put the switch into the position of the small lamp icon.

Body Cooling Fan

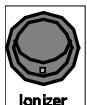
The direction of the air-flow can be controlled manually by adjusting the position of the air vents.



The intensity of the body cooling fan can be set at a high or low level.

- ⇒ To select high intensity, put the switch into the position of the big fan icon.
- ⇒ To select low intensity, put the switch into the position of the small fan icon.
- ⇒ In order to switch off the body cooling fan completely, put the switch into the center position.

Ionizer



The Ionizer device neutralizes the typical tanning odor.

When the ionizer is activated, the control light in the switch lights up.

- ⇒ Push the "Ionizer"-switch to de-activate.
- ⇒ Push the "Ionizer"-switch again to activate the Ionizer device.

Air Conditioning Unit (optional)



The A/C unit creates a steady, comfortable temperature during a tanning session.

When the A/C unit is activated, the light in the control switch lights up.

- ⇒ Push the "Klima"-switch to deactivate the A/C unit.
- ⇒ Push the A/C switch again to activate the A/C unit.

SunHaze aroma device (optional)



The aroma device refreshes the cooled air.

When the aroma device is activated, the light in the control switch lights up.

- ⇒ Push the "Aroma" switch to deactivate the SunHaze device.
- ⇒ Push the "Aroma" switch again to activate the aroma device.

Exposure Time



If the sunbed is not connected to a control device, the sunbed can be set manually up to maximum exposure time.

Maximum exposure time is pre-set by manufacturer at 15 minutes

This feature is for domestic use only. All sunbeds sold for commercial use must be provided with a control device in accordance with local/national standards and regulations!

- ⇒ Push the "Set Time" switch until the display shows the requested tanning time.

Start the tanning session. The unit stops automatically after pre-set time has run out.

Starting/Stopping a tanning session



If the sunbed is not connected to a control device, the sunbed must be started manually.

You have the option to interrupt the tanning session and continue the session again.

- ⇒ Push "Start" switch to start the tanning session.
- ⇒ Push the "Start" switch again to stop the tanning session.

Definition of Skin Type

In order to determine best individual exposure times, you need to determine your skin type.

The following chart provides some basic information on the different skin types.

- i** Persons with very light skin, many freckles and fair to reddish hair, light eyes and nipples are not allowed to use a sunbed.

	Skin Type		
	II	III	IV
Skin	light	light / light brown	brown / olive
Freckles	Some/ none	none	none
Hair Colour	blonde / brown	Dark blonde / brown	Dark brown / black
Eyes	Blue / green / grey	grey / brown	Brown
Nipples	light	darker	Dark
Tendency to tan	barely	average	fast / deep
Sunburns	always	rarely	Almost never
Erythema threshold (in minutes) in the natural sun until sunburn occurs	10–20	20–30	Ca. 40
Max. recommended exposures per year	35	35	35



CAUTION!

UV LIGHT EMISSION!

UV-rays can cause serious skin damages. Always avoid overexposure. Never exceed recommended exposure times according to your skin type.

- i** The recommended exposure times are only guide values. They are calculated in accordance with applicable standards to provide optimum final tanning results for each skin type. Recommendations for max. exposures per year follow recommendations for moderate and limited UV-exposure.

Recommended Exposure Time for ELIXIR

Version 36-03

EU Standard Versions only. For overseas export units please see separate attachment.

In minutes

Tanning Session	Skin Type		
	II	III	IV
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
Following Sessions			

Maintenance



DANGER

RISK OF ELECTRIC SHOCK

Always disconnect the unit from the mains supply with the mains disconnection switch prior to any maintenance or service jobs. Secure mains disconnection switch with lock and key against unauthorized or accidental activation. Else there is a risk of electric shock.



DANGER HOT SURFACES!

There is a risk of burns by hot low-and high-pressure lamps. Allow the unit to cool down prior to performing any maintenance or service jobs.



CAUTION!

For maintenance and service only use original spare parts as provided by Advanced UV Light GmbH or authorized distributors.

The daily maintenance inspection includes:

- Visual examination and
- Functionary control

Visual examination:

Component	Check for:
Low-pressure lamps	Failure, flickering
High-pressure lamps	Failure
Facial filters	Damages, scratches
Sunbed Plexi	Damages, scratches
Top plexi	Damages, scratches
Air supply entries	Free access to the open
Main exhaust air hose	Free access to the open

Functionary control:

Component	Check for:
Emergency Stop Button	Immediate switch-off of the unit Delayed switch off of the main ventilation
Time – Control device	Correct operation
Main fan	failure (no fan noises)
Body Cooling fan	failure (no fan noises)

Annual Inspection (or every 1,000 hours of operation whatever occurs first)

Inspections for mechanical and technical safety of the complete unit must be performed by authorized service personnel within certain intervals.

Please contact manufacturer or authorized distributor for network of skilled service technicians, see chapter "Contacts" on page 39.

Maintenance Chart

- i** Observe data on recommended useful lamp life for low and high-pressure lamps as provided by manufacturer.

Component	Replacement
Low-pressure lamps	After recommended useful lamp life, see page 32
High-pressure lamps	After recommended useful lamp life, see page 34
Facial Filters	As necessary, see page 33
Sunbed plexi	As necessary, see page 2828
Top plexi	As necessary see page 30

Daily Maintenance Inspection prior to first Operation

Body Cooling Fan

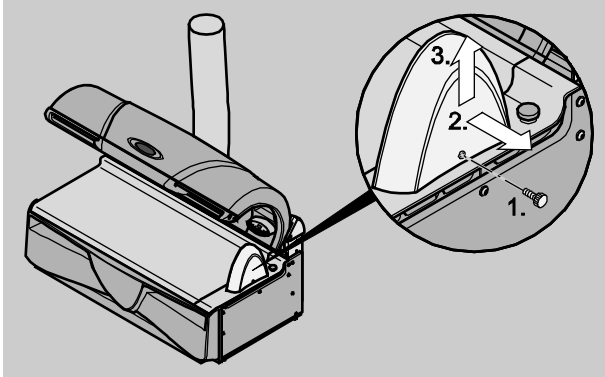
The body cooling fan must be disassembled, whenever:

- the low-pressure lamps in the sunbed are replaced,
- the sunbed plexi is replaced,
- the top plexi is disassembled or
- the whole unit is disassembled.

The body cooling fan must be replaced, when damaged.

Disassembly

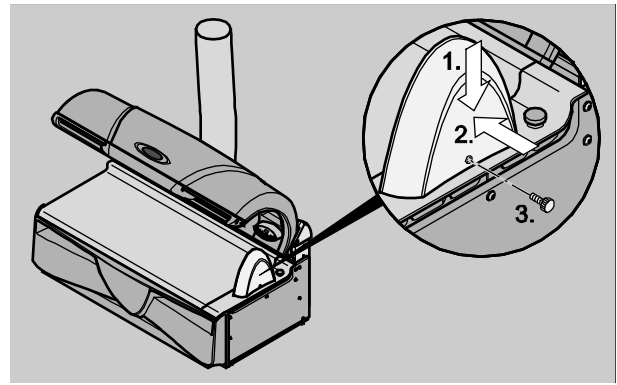
- ⇒ Open the top.
- ⇒ Remove the thumb screw at the body cooling fan.



- ⇒ Push the body cooling fan into the direction as shown above to disassemble the body cooling fan from of the body cooling fan support.
- ⇒ Lift the body cooling fan upward and remove from body cooling fan support.

Assembly

- ⇒ If you assemble a new body cooling fan, remove the protective foil.
- ⇒ Put the body cooling fan in such a way to the body cooling fan support that the air vents show towards the sunbed.



- ⇒ Move the body cooling fan slightly forward until it locks.
- ⇒ Fasten the body cooling fan with the thumb nail to the body cooling fan support.

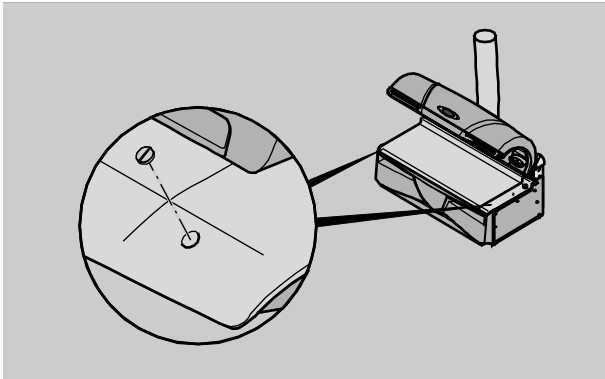
Sunbed Plexi

The sunbed plexi must be replaced whenever the plexi is cracked or severely scratched.

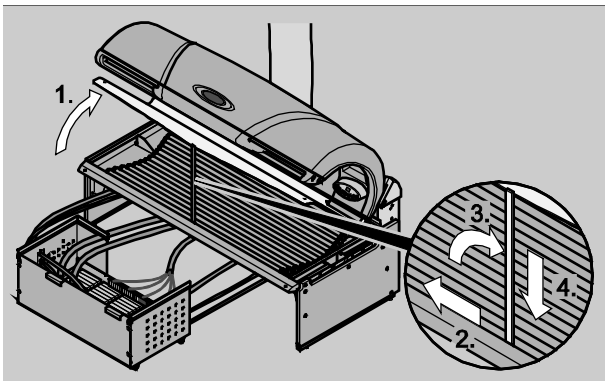
Two (2) persons are necessary to replace the sunbed plexi.

Lifting the sunbed plexi

- ⇒ Open the top.
- ⇒ Disassemble the body cooling fan as described on page 27.
- ⇒ Remove the screws that fix the sunbed plexi.



- ⇒ Tilt the sunbed plexi upwards and hold tight.



- ⇒ Move the plexi support slightly to the left and then lift.
- ⇒ When in vertical position, let the plexi support slightly down until it locks.
- ⇒ Let the sunbed plexi rest on the support, to prevent it from falling down.



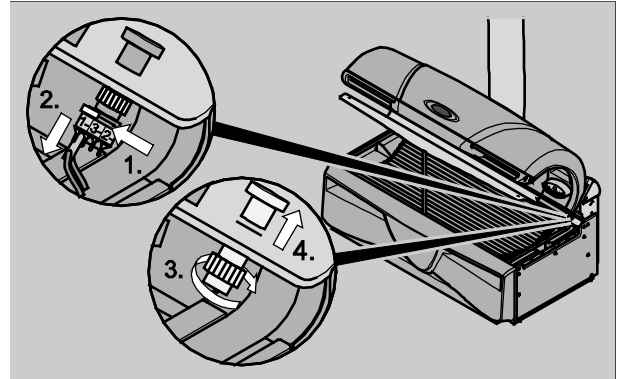
ATTENTION!

Cover the body cooling fan stack to prevent screws or other components from falling into the stack.

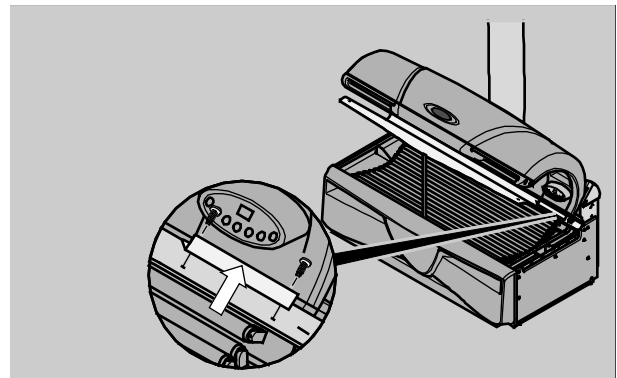
- ⇒ Cover the body cooling fan stack.

Disassembly

- ⇒ Make sure that the mains disconnection switch cuts off the unit from the mains supply and is secured with lock and key against accidental activation.
- ⇒ Put the clamp at the Emergency Stop Button connection into position "1-".
- ⇒ Pull off the connection from the Emergency Stop Button.



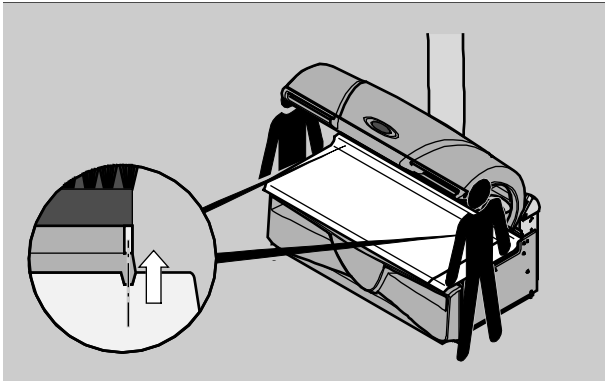
- ⇒ Remove the lock nut from the Emergency Stop Button by turning it to the left (contrary to clock direction)
- ⇒ Pull the Emergency Stop Button from above out of the sunbed.
- ⇒ Remove the screws which hold the body cooling fan support.



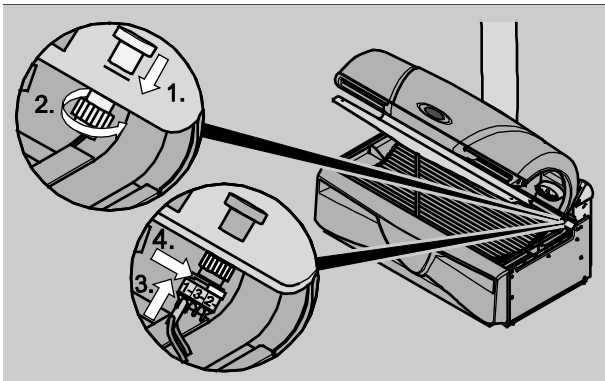
- ⇒ Lift the body cooling fan support from the sunbed plexi.
- ⇒ Two persons remove the sunbed plexi from its groove by pulling it forward.
- ⇒ Store the sunbed plexi for further disposal.

Assembly

- ⇒ Unpack the new sunbed plexi.
- ⇒ Remove the protective foil.
- ⇒ Push the sunbed plexi into its groove.



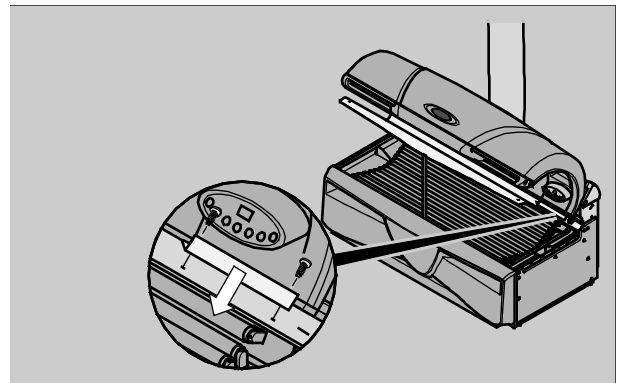
- ⇒ Protect the sunbed plexi against falling down by resting it on the plexi support.
- ⇒ Put the Emergency Stop Button from above into the sunbed plexi.



- ⇒ Turn the lock nut onto the Emergency Stop Button as shown above.
- ⇒ Re-connect the Emergency Stop Button.
- ⇒ Turn the clamp at the Emergency Stop Button to the right into position "2-".
- ⇒ Turn the red knob of the Emergency Stop button clockwise, to make sure that the Emergency Stop Button is unlocked.

The Emergency Stop Button is reassembled.

- ⇒ Mount the body cooling fan support to the sunbed plexi.



- ⇒ Fasten the body cooling fan support.
- ⇒ Remove the cover from the body cooling fan stack.

Closing the Sunbed Plexi

- ⇒ Slightly lift the sunbed plexi.
- ⇒ Slightly lift the sunbed plexi support and then tilt it to the left.
- ⇒ Put the sunbed plexi on the sunbed.
- ⇒ Assemble the body cooling fan as shown on page 27.
- ⇒ Fix the sunbed plexi with provided screws.

Top Plexi

The top plexi must be removed whenever you replace the low-pressure lamps in the top or the high-pressure lamps in the facials.

The top plexi must be replaced whenever it is damaged or scratched.

Two (2) persons are necessary to remove the top plexi.

Disassembly

- ⇒ Make sure that the mains disconnection switch cuts off the unit from the mains supply and is secured with lock and key against accidental activation of power supply.
- ⇒ Open the top.
- ⇒ Disassemble the body cooling fan as described on page 27 to prevent the body cooling fan from getting damaged during assembly and disassembly work at the top.



ATTENTION!

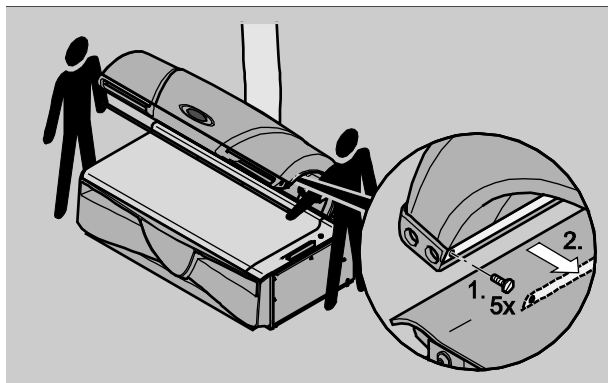
Cover the body cooling fan stack to prevent screws or other components from falling into the fan stack.

- ⇒ Cover the body cooling fan stack.

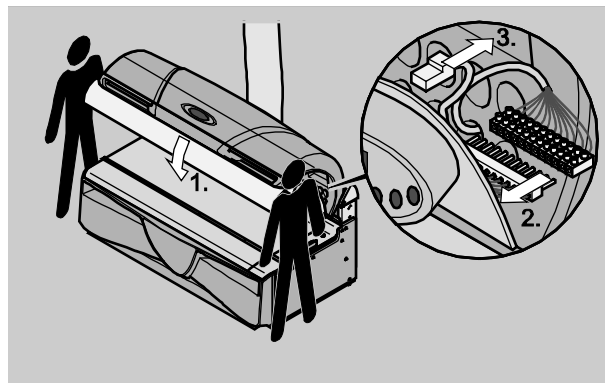


The top plexi is fixed in the front with a plexi rail. This plexi rail is screwed to the top.

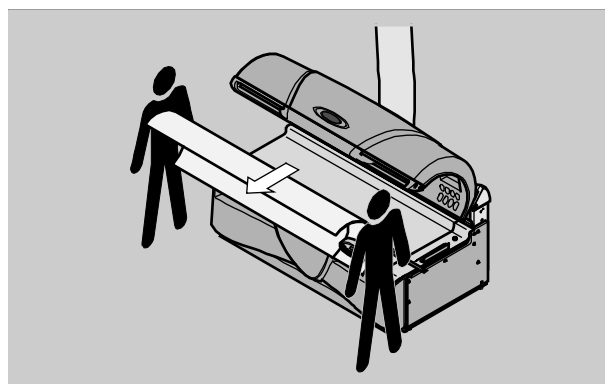
- ⇒ One person holds the top plexi while the second person loosens the plexi rail. Hold tight to prevent the top plexi from falling down.



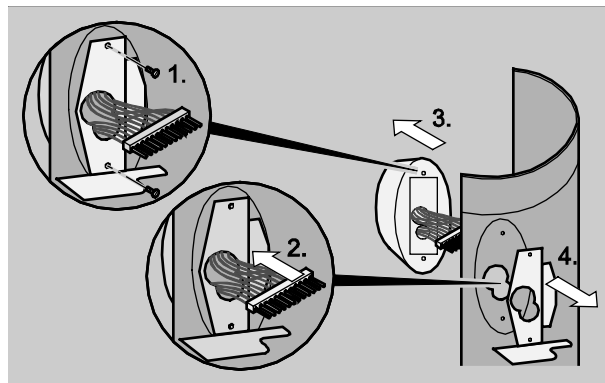
- ⇒ Remove the five screws in the front plexi rail.
- ⇒ Lift the rail carefully from the plexi.
- ⇒ Hold the top plexi with two persons while you let it down carefully and rest it on the sunbed plexi.



- ⇒ Remove the plug of the control panel from the terminal.
- ⇒ Pull off the plug of the display cable from the control panel.
- ⇒ Remove the top plexi.



- ⇒ Store the top plexi on a soft blanket or padding material.
- ⇒ If you want to replace the plexi, remove the screws of the control panel support.



- ⇒ Pull the plug and the wires through the opening of the control panel support and the top plexi.
- ⇒ Remove the control panel and the control panel support.
- ⇒ Dispose of the defective top plexi.

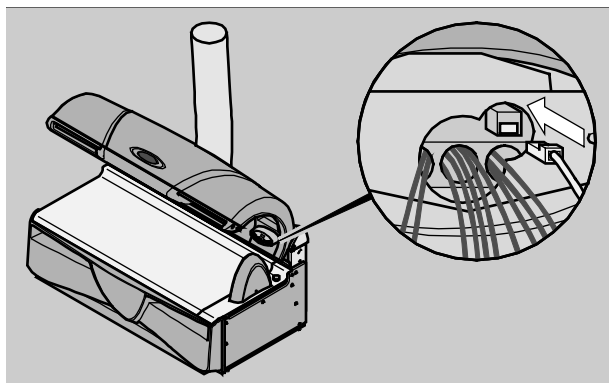
Assembly



ATTENTION!

Cover the body cooling fan stack to prevent screws from falling into the stack.

- ⇒ Cover the body cooling fan stack.
- ⇒ If you want to assemble a new top plexi, unpack the top plexi.
- ⇒ Put the top plexi on a soft blanket or padding material in front of the sunbed.
- ⇒ Remove the protective foil.
- ⇒ Put the control panel from below to the opening for the control panel at the top plexi.
- ⇒ Push the wires and plugs of the control panel through the top plexi and the opening of the control panel support.
- ⇒ From above screw the control panel support to the control panel.
- ⇒ Two persons lift the top plexi into the sunbed.
- ⇒ Put the top plexi into the rear groove.
- ⇒ Put the plug of the control panel into the terminal strip for the control panel in the top.
- ⇒ Put the Display wire into the socket of the control panel.



- ⇒ Lift the top plexi upward.
- ⇒ One person holds the top plexi.
- ⇒ Mount the plexi rail and fasten with five screws.
- ⇒ Remove the cover from the body cooling fan stack.
- ⇒ Assemble the body cooling fan as described on page 27.

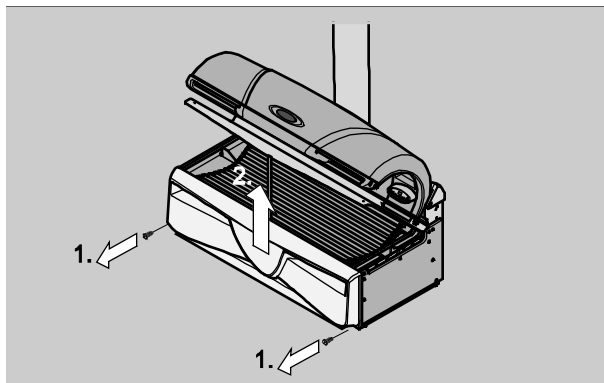
Front Cover Plate

The front cover plate must be disassembled whenever

- the container of the aroma device must be replaced
- the courtesy light lamps must be replaced
- an A/C unit is installed or disassembled.

Disassembly

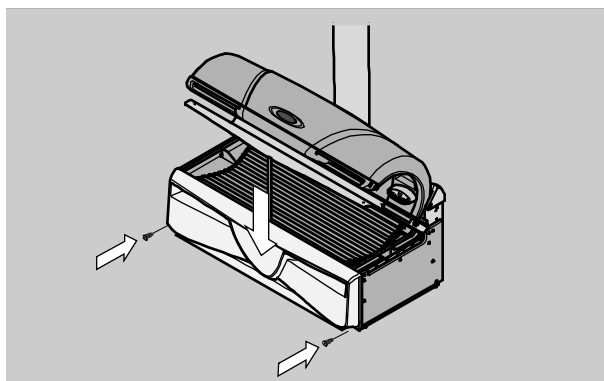
- ⇒ Open the sunbed plexi as described on page 28.
- ⇒ Loosen the two quick connections at the lower right and left corner of the front cover plate.



- ⇒ Lift the front cover plate carefully from the sunbed by pulling upwards.

Assembly

- ⇒ Fit the front cover plate with its hooks into the sunbed.



- ⇒ Fasten the two quick connections in order to fix the front cover plate.
- ⇒ Close the sunbed as described on page 29.

Low-Pressure Lamps and Starters

Low-pressure lamps must be replaced when the useful lamp life as recommended by manufacturer has run out or if a low-pressure lamp becomes defective.

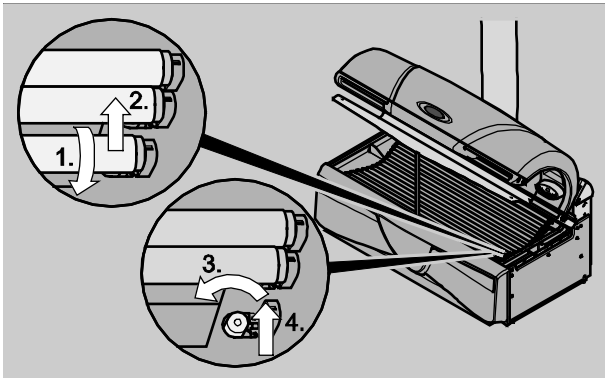
Starters must be replaced whenever a lamp starts “flickering” or if a lamp which is not otherwise defective does not light up.



Advanced UV Light recommends to replace starters (conventional type) at every second lamp change.

Disassembly

- ⇒ If you want to replace a low-pressure lamp in the top, disassemble the top plexi as described on page 30.
- ⇒ If you want to replace a low-pressure lamp in the sunbed, proceed as follows:
 - Disassemble the body cooling fan as described on page 27.
 - Open the sunbed top and secure it with sunbed plexi suport from falling down as described on page 28.
- ⇒ Turn the low-pressure lamp clockwise by approx. 90 degrees.



- ⇒ Lift the low-pressure lamp out of its holder.
- ⇒ Turn the starter contrary to clock direction by approx. 90 degrees.
- ⇒ Remove the starter.



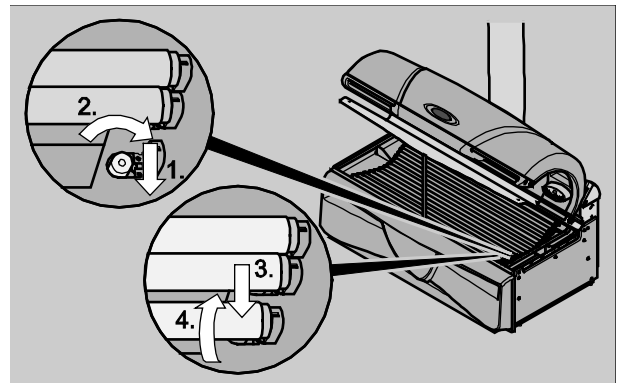
ATTENTION!

Never dispose of low-pressure lamps with regular domestic waste. Dispose of lamps in an environmentally safe way according to applicable local/national regulations and standards.

- ⇒ Dispose of defective or used up low-pressure lamps.

Assembly

- ⇒ Put the new starter into the holder by turning it clockwise by approx. 90 degrees.



- ⇒ Put the new low-pressure lamp into the holder.
 - ⇒ Turn the lamp clockwise by approx. 90 degrees.
- The low-pressure lamp locks with a slight “click” sound into the holder. The marking at the low-pressure lamp end shows to the front.
- ⇒ If you have replaced a low-pressure lamp in the top, re-assemble the top plexi as described on page 31.
 - ⇒ If you have replaced a low-pressure lamp in the sunbed, proceed as follows:
 - Re-assemble the body cooling fan as described on page 27 and
 - Close the sunbed plexi as described on page 29.

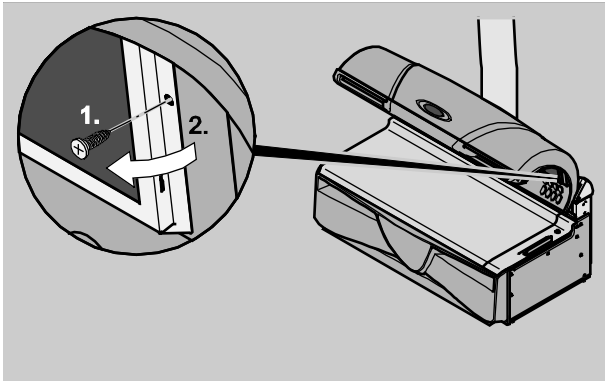
Facial Filterglass Frames

The facials contain three high-pressure (HID) Quartz Lamps. Each HID lamp is covered by a special HID filter glass. Each HID filter glass is held by a filter frame.

The filterglass frames must be disassembled, whenever you want to replace a HID lamp or a HID filter glass.

Disassembly

- ⇒ Disassemble the top plexi as described on page 30.
- ⇒ Push the frames with one hand upwards to prevent it from falling down when you loosen the quick connection.
- ⇒ Loosen the quick connection.



- ⇒ Tilt the filter frame downward and take it off.

Assembly

- ⇒ Fit the brackets of the filter frame into the openings of the facial compartment.
- ⇒ Tilt the frame upwards and hold tight with one hand to prevent it from falling down.
- ⇒ Fasten the quick connection of the filter frame.
- ⇒ Re-assemble the top plexi as described on page 31.

Facial Filters

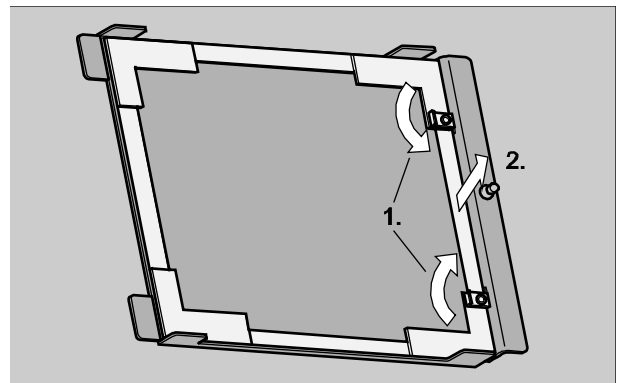
The facial filter glasses must be replaced whenever they become broken or defective.

NEVER USE SUNBEDS WITH DEFECTIVE OR BROKEN FILTER GLASSES OR WITHOUT FILTER GLASSES:

DISASSEMBLY



- ⇒ Disassemble the filter frames as described on page 33.
- ⇒ Store the filter frames on the sunbed with the filter glass showing down to the sunbed.



- ⇒ Push the latches of the filter brackets sideways.
- ⇒ Remove the defective filter glass..

Assembly

- ⇒ Put in the new filter glass.
- ⇒ Turn the latches of the filter brackets back onto the filter.
- ⇒ Assemble the filter frames as described on page 33.

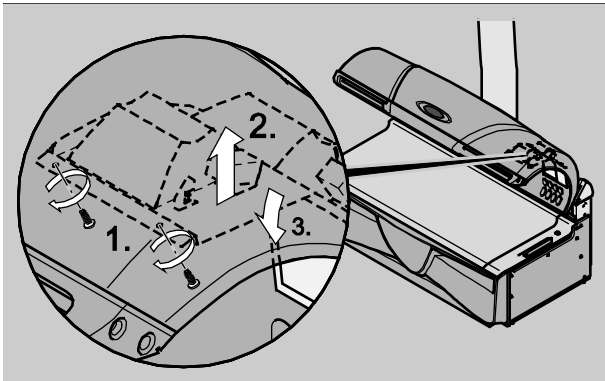
High-Pressure Lamps

The high-pressure lamps in the facials must be replaced, whenever the useful lamp life as recommended by manufacturer has run out. Or if lamp becomes defective.

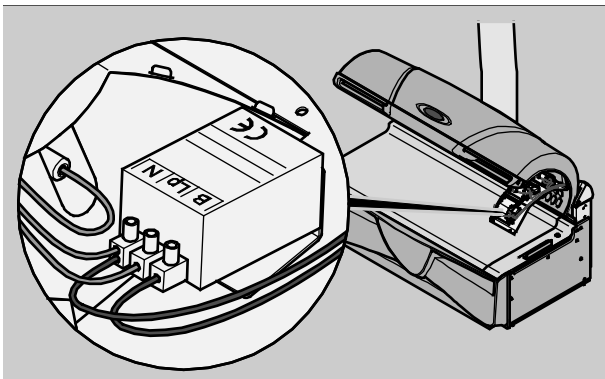
- ❗ The facials contain three high-pressure lamps. When replacing high-pressure lamps always use lamps of the same or compatible type. For technical lamp data, see references on the type label.

Disassembly

- ⇒ Make sure that the mains disconnection switch cuts off the unit from the mains supply and that it is secured with lock and key against accidental re-activation of power supply.
- ⇒ Disassemble the filter frames as described on page 33.
- ⇒ Loosen the two screws at the facial compartment.




- ⇒ Lift the facial slightly upward, so that you can unlock the two lower brackets.
- ⇒ Put the facial onto the sunbed bench..
- ⇒ Disconnect the terminals "N" and "LP" and pull out the litz wires and the blue neutral conductor.



- ⇒ Pull the high-pressure lamp downward out of the holder.

- ⇒ Pull out the litz wires with the high-pressure lamp out of the lamp compartment.

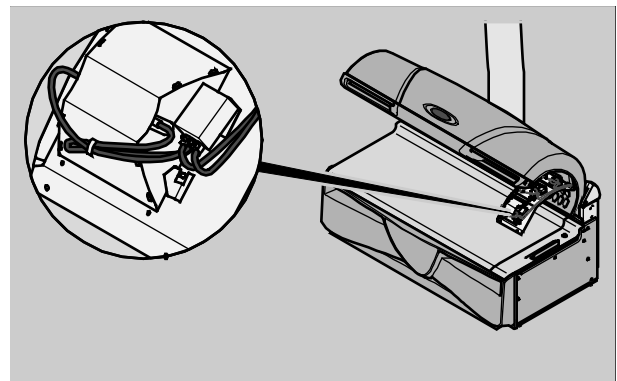


CAUTION!
Never dispose of high—pressure lamps with regular domestic waste. Dispose of lamps in an environmentally safe way according to applicable local/national standards and regulations.

- ⇒ Dispose of defective or used up lamps.

Assembly

- ⇒ Put the new high-presure lamp into the holder.
- ⇒ Feed the litz wires backwards out of lamp compartment.
- ⇒ Connect one litz wire to the terminal marked as "LP" .
- ⇒ Connect the other litz wire and the blue neutral conductor to the terminal marked as "N".



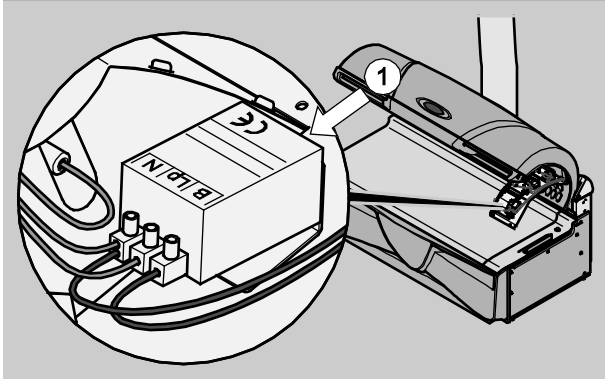
- ⇒ Lift the facial compartment into the top so that the brackets can click in.
- ⇒ Tilt the facial compartment upwards.
- ⇒ Fasten with two screws.
- ⇒ Assemble the facial filter as described on page 33.

Ignitor for high-pressure lamp

Ignitors must be replaced when they become defective.

Disassembly

- ⇒ Make sure that the mains disconnection switch cuts off the sunbed from the mains supply and that it is secured with lock and key against accidental activation of power supply.
- ⇒ Loosen the wire which is connected to the ignitor.
- ⇒ Loosen the lock nut at the ignitor (1).



- ⇒ Remove the ignitor.

Assembly

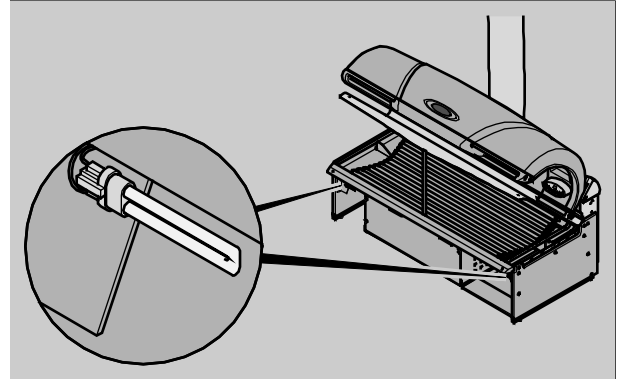
- ⇒ Mount the new ignitor.
- ⇒ Fasten with lock nut.
- ⇒ Connect one litz wire to the terminal marked as "LP".
- ⇒ Connect the other litz wire with the blue neutral conductor to the terminal marked as "N".
- ⇒ Connect the black phase wire to the terminal marked as "B".

Show-Light

The show light lamps must be replaced when defective.

Disassembly

- ⇒ Disassemble the front cover plate as described on page 31.
- ⇒ Pull the show light lamp out of holder.



CAUTION!

Never dispose of lamps with regular domestic waste.



Dispose of lamps in an environmentally safe way according to applicable local/national regulations and standards.

Assembly

- ⇒ Put the new show light lamp into the holder.
- ⇒ Re-assemble the front cover plate as described on page 31.

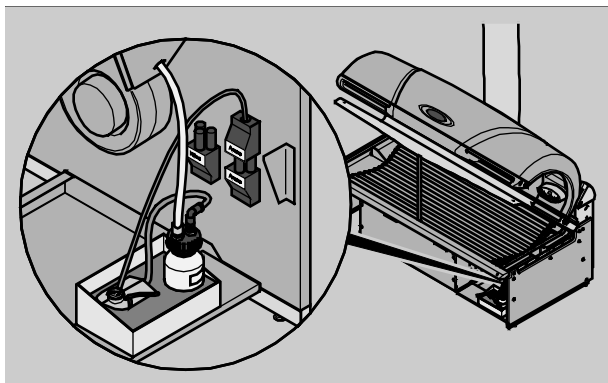
Aroma Device

The container with the aroma device must be replaced when empty or if you want to provide a new aroma.

- ⓘ Use only aroma solutions as provided by Advanced UV Light. Using any other aroma may result in malfunctions and voids all claims of warranty.

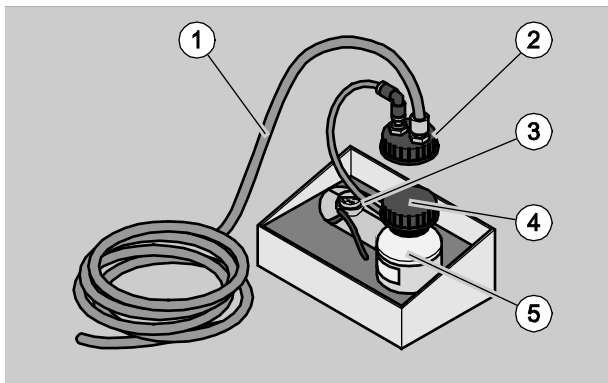
Disassembly

- ⇒ Disassemble the front cover plate as described on page 31.
- ⇒ Pull the A/C trough slightly forward.



Assembly

- ⇒ Unscrew the vaporizer lid (2) from the container (5) of the aroma device.



- ⇒ Unscrew the closing lid (4) from the container.
- ⇒ Screw the vaporizer lid onto the container of the aroma device.
- ⇒ Push the A/C trough back into place.
- ⇒ Re-install the front cover plate as described on page 31.

Cleaning

DANGER

RISK OF ELECTRIC SHOCK!



Turn off the mains disconnection switch prior to performing any cleaning job. Make sure that the mains disconnection switch is secured with lock and key against accidental re-activation of power supply. Else there is a risk of electric shock.

CAUTION!



Never clean the sunbed with aggressive or abrasive cleaning solutions or solutions which contain alcohol or etheric oils. Do not use disinfectants like i. e. Sagrotan. These solutions can damage the sunbed.

- ⓘ Only use specific cleaning solutions for acrylics as provided by Advanced UV Light or authorized distributor.

Clean the sunbed and top plexi after each session.


The surfaces and the low-pressure lamps must be cleaned as necessary.


- ⇒ Spray disinfectant on top and sunbed plexi.
- ⇒ Wipe plexis with a dry, soft cloth.
- ⇒ Wipe low-pressure lamps and surfaces with a slightly damp leather cloth.

Disassembly

You need to disassemble the complete unit prior to any re-location or final disposal.

Perform disassembly work with four(4) persons.


-  Observe the information provided in the chapters with detailed description of assembly work.



DANGER

RISK OF ELECTRIC SHOCK

Turn off the mains disconnection switch prior to any disassembly work. Make sure that the mains disconnection switch is secured with lock and key against accidental activation of power supply. Else there is a risk of electric shock.



DANGER

FAULTY DISASSEMBLY!


Inadequately performed disassembly work can cause serious damages and fatal injuries. Only authorized service technicians or skilled electrical personnel are allowed to perform (dis-)assembly work and el. (dis-)connection.



ATTENTION!

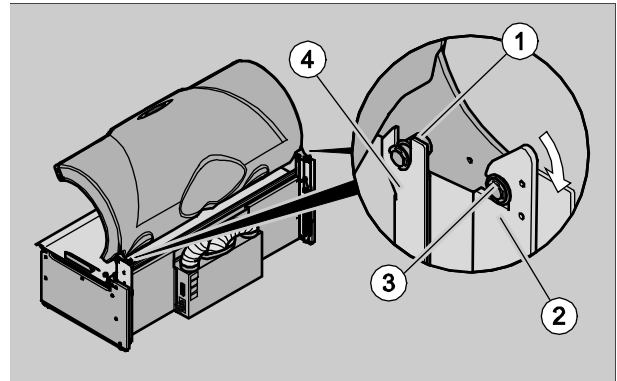
Some Components may easily get scratched. Do not knock at components. Do not damage or scratch surfaces, i. e. with assembly tools.

- ⇒ Push the top open and remove the body cooling fan.
- ⇒ Remove the front cover plate and pull out the ballast tray.
- ⇒ Disconnect all wire terminals from the ballast tray and – if provided – from the A/C unit and the aroma device.
- ⇒ Remove the A/C trough and – if provided – the A/C unit and the aroma device.

-  Position the sunbed in such a way that there is enough space for disassembly work at the rear side.

- ⇒ Loosen the hose clips from the exhaust air hoses and remove the hoses.
- ⇒ Remove the on-site connection cable.
- ⇒ Disassemble the following components:
 - Pivot supports
 - Spring coverings
 - U-brackets

- ⇒ Open the top as much as possible.
- ⇒ Push the hauling lugs (2) of the pivot support backwards.





CAUTION

HEAVY LOAD!

Overstraining when carrying the sunbed components may result in serious damages to your health. Always carry the heavy components of the unit with four persons.

- ⇒ Four (4) persons lift off the top.
- ⇒ Disassemble the back plates and the pivot supports.
- ⇒ Pack the components carefully. If possible, use original packing material.

Storage

If you intend not to operate the sunbed for a considerable time, you should store the equipment at a dry place, protected from dust and corrosion.

- ⇒ Switch off the mains disconnection switch. Secure with lock and key against accidental and unauthorized re-activation of power supply.
- ⇒ Cover the sunbed with lint—free cloth or appropriate cover material to protect it against dust and dirt.

Re-use

- ⇒ If you want to operate the sunbed after storage again, remove the cover material.
- ⇒ Clean the sunbed as described on page 37.
- ⇒ Remove the lock and connect to power supply by turning on the mains disconnection switch.
- ⇒ Perform daily maintenance inspection as described on page 26.

Troubleshooting

Malfunction	Possible cause and elimination
Unit does not start when Timer device is activated.	No power supply. Check fuses.
Low-pressure lamp - flickering.	Starter defective. Replace starter.
Unit gets to hot.	Fresh air supply and outlet of exhaust air in the room may not be sufficient. Check air flow and remove obstacles if necessary.
One or more low-pressure lamps in the top or sunbed do not light up.	Low-pressure lamp not correctly locked into lampholder. Instal low-pressure lamp correctly. Low-pressure lamp defective. Replace low-pressure lamp.
One or more HID quartz lamps (facial lamps) do not light up.	HID quartz lamp defective. Replace HID quartz lamp. Ignitor for HID quartz lamp defective. Replace ignitor.

Disposal

The sunbed must be properly disassembled when taken finally out of operation.

Properly dispose of freezing liquid when you dispose of A/C unit and observe all applicable environmental standards and regulations.

All components of the sunbed must be sorted and re-cycled according to all applicable environmental standards and regulations.

Please contact your local authorities for applicable environmental standards and regulations and due procedures for disposal.

Contacts:

Manufacturer:

Advanced UV Light GmbH

Ruhrtalstraße 85-93

D-45239 Essen

Phone: 0049 201 / 8 49 12 - 10

Fax: 0049 201 / 8 49 12 - 55

E-Mail: info@drmueller.de

Internet: www.drmueller.de/www.auvl.de

Authorized Distributor:

Future Industries

626 Surf Avenue

Stratford, CT 06615

Phone: (800) 346-3136

Fax: (203) 380-6540

E-Mail: futuremail@futureindustries.com

Internet: www.futureindustries.com

Declaration of Conformity

Advanced UV Light GmbH, Ruhrtalstraße 85-93, D-45239 Essen herewith declares this product to be in conformity with the applicable international safety standards and regulations as well as EC directives.

Equipment Model/Type: High-Performance Sunbed
Type ELIXIR

Essen, 26.03.2004

Standards

The high-performance sunbed, type ELIXIR is in conformity with the following standards and directives:

Applicable EC-Directives:

- EG-low-voltage directive 73/23/EWG
- EMV-directive 89/336/EMV

Applied harmonized standards:

- DIN EN 60335-2-27
- DIN 5050

Warranty

Scope and terms of warranty for the sunbed manufactured by Advanced UV Light GmbH comply with the current legal provisions at the time of sale effective in country of origin. In addition, our General Terms of Trade apply.

© KONTECXT GmbH Technische Dokumentation
D-45239 Essen
www.kx-doku.de
Printed in Germany

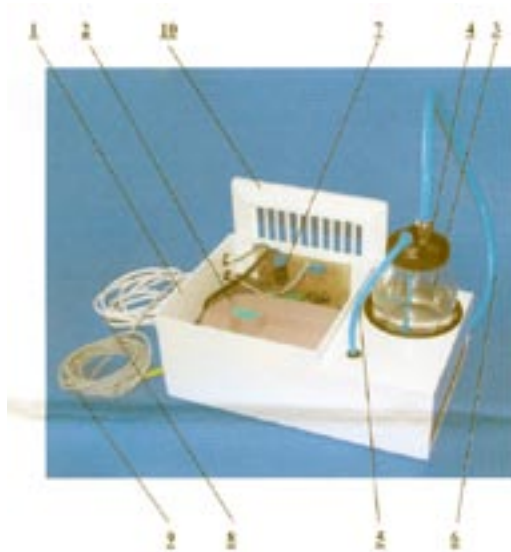
SunHaze und SunHaze^{Plus} Device:



1. Components:

The SunHaze^{Plus} Aroma Device consists of the following components:

1. Housing
2. Pump with air-flow regulation
3. Container with scented liquid (aroma essence)
4. Lid with nozzles
5. Air supply tube
6. Aroma- conductor tube
7. PCB*
8. El Supply line *
9. Switch with feeder line*
10. Housing grid



*) Only for SunHaze^{Plus}, else the supply line is the line of the pump.

2. Technical Data

- Supply Voltage 220-240V/50HZ
- Power: 6 Watt
- Dimensions (Length x Depth x Height) 285 x 185 x 170 mm
- Weight (incl. Aroma-essence):

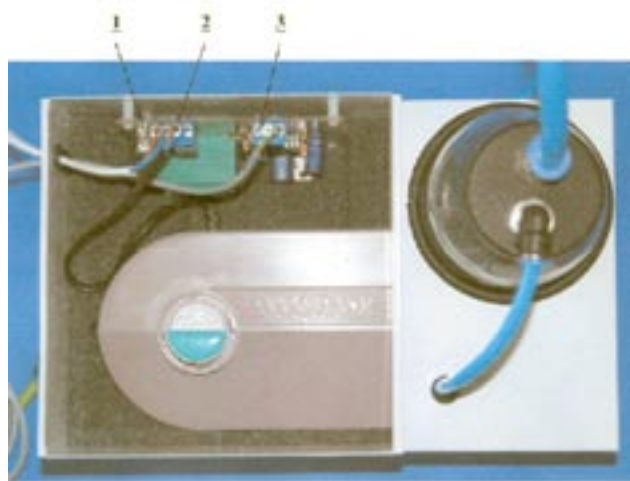
3. Installation

3.1. Setting up the Aroma-Device

- The SunHaze aroma device is designed for application in units with forced air circulation.
- The device must be installed in a level position which allows for a replacement of the container with the aroma essence Pos. 3.
- It is recommended to keep the distance between the aroma conductor tube – Pos- . 6 to the ventilation channel as short as possible.
- The outlet of the aroma conductor tube Pos. 6 should be located above the SunHaze Device, at a spot which prevents drops of aroma essence from falling on bare skin.

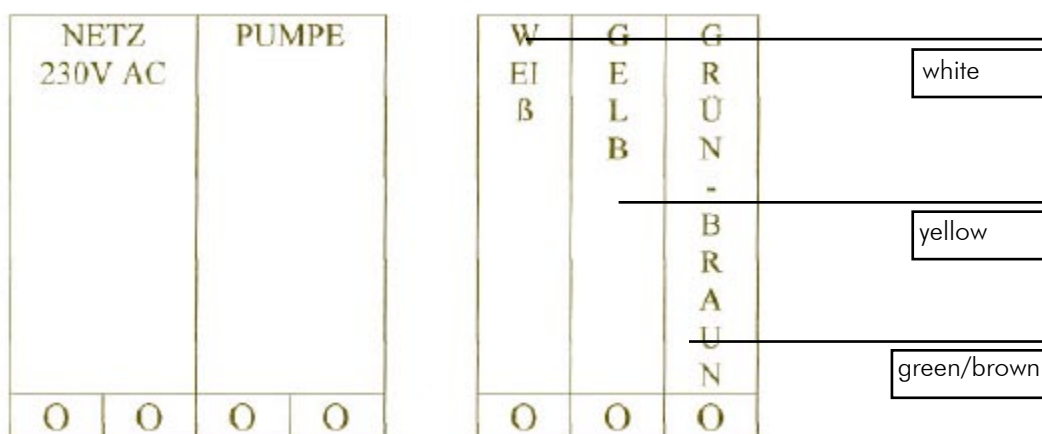
3.2. Electrical connection

- 3.3. The SunHaze device is only to be switched on when the forced air circulation is activated:



1. Contact terminal of supply line Pos. 8 (230V/50HZ)
2. Contact terminal of pump Pos. 2
3. Contact terminal of switch incl. Feeder line Pos. 9

Schematics of electrical installation (seen from above):



Attention: If the device should not work after installation, check the fuses on the PCB – Pos. 7.

4. Operating the SunHaze Device

Operation of the device is limited to regulation/adjustment of the pump output Pos. 2 and the replacement of the container with the scented liquid (Aroma solution) when it is empty. – Pos. 3

CAUTION: Prior to adjusting the pump output or replacing the container with the aroma solution the device has to cut off from electrical supply.

4.1 Regulation of the pump output

1. Remove the housing grid Pos. 10.
2. By turning the handwheel of the pump Pos. 2 the air volume can be adjusted.
3. Re-install the grid Pos. 10

Attention: If the intensity of the aroma is too low, the air flow volume needs to be increased.

4.2 Replacing the container with the aromatic solution

1. Remove the air supply tube Pos. 5 and the aroma conductor tube Pos. 6 from the lid with the nozzles Pos. 4.
2. Take out the empty container with aromatic solution.
3. Replace the container and re-install the lid with nozzles Pos. 4.
4. Re-connect the tubes.

Attention: If you replace your choice of aroma solution with another scent, the lid with the nozzles must be thoroughly cleansed with alcohol or a solution containing alcohol.

Model Series
36-03/40-03/40-00

ELIXIR

ADDENDUM USA



ADVANCED UV LIGHT GMBH • RUHRTALSTRASSE 85-93 • D-45239 ESSEN

Phone: ++ 49 201 8 49 12 -0

FAX: ++ 49 201 8 49 12 - 55

e-mail: info@auvl.de

www.auvl.de/ www.drmueller.de

Table of Contents:

	Pages
Recommended Exposure Schedule	44-45
Tanning Rules	46
User Instructions	47
Technical Data	48
Important Notice: Electrical Connection	48
Terminal Connection Electronic Control/Wiring Diagrams	49-54

Skin Types and Recommended Exposure Schedule

Note: Sensitivity and reaction to UV-light exposure mainly depend on your individual skin type. The following chart shows the standard classification of Skin Types I - VI and their main characteristics. You should consider, however, that even within the same skin type, the individual condition of the skin and consequently the reaction to UV-light exposure may differ considerably and that certain factors (i.e. photosensitizing agents) also may influence your sensitivity to UV-light.

Skin Types* and Reaction to UV-Exposure

Skin Type	Description	Examples	Sunburn	Suntan
I.	Skin: very fair, w/freckles Eyes: blue, light gray, light green Hair: red, blonde	Celtic Type	Always	Tans little or not at all
II.	Skin: fair skin, some freckles Eyes: blue, green, gray Hair: blonde – dark blonde	Fair European type with white unexposed skin	Mostly	Light tan
III.	Skin: fair - to light beige, no freckles Eyes: grey, hazel Hair: dark blonde - brunette	Dark European type with white unexposed skin	Moderate sunburn	Average tan
IV.	Skin: light - beige, brown Eyes: dark Hair: brown – black	Mediterranean type Hispanics and Asians with light unexposed skin	Almost none	Tans easily, dark tan
V.	Skin: brown Eyes: dark Hair: black	Dark Mediterranean type, Hispanics with brown unexposed skin, Indians	Rarely	Always
VI.	Skin: black Eyes: dark Hair: black	Africans and African-Americans, Australian and South Indian Aboriginies	Never	Always

* Based on Philips Licht, Skin Type Classification

Recommended Exposure Schedule for untanned Skin Type II: Model Version 36-03

Recommended initial exposure time at the beginning of a series of tanning sessions	max. 3 minutes	3 sessions per week
Recommended exposure time after first 3 sessions	max. 6 minutes	3 sessions per week
Maximum recommended exposure time	max. 15 minutes	
Recommended number of sessions to obtain a tan		7-10 sessions, first visible results after approx. 3 sessions
Recommended intervals between tanning sessions		48 hours
Recommended number of sessions to maintain a tan	max. 15 minutes	1-2 sessions per week

Recommended Exposure Schedule for untanned Skin Type II: Model Version 40-03

Recommended initial exposure time at the beginning of a series of tanning sessions	max. 2 minutes	3 sessions per week
Recommended exposure time after first 3 sessions	max. 4 minutes	3 sessions per week
Maximum recommended exposure time	max. 10 minutes	
Recommended number of sessions to obtain a tan		7-10 sessions, first visible results after approx. 3 sessions
Recommended intervals between tanning sessions		48 hours
Recommended number of sessions to maintain a tan	max. 10 minutes	1-2 sessions per week

Recommended Exposure Schedule for untanned Skin Type II: Model Version 40-00

Recommended initial exposure time at the beginning of a series of tanning sessions	max. 2 minutes	3 sessions per week
Recommended exposure time after first 3 sessions	max. 5 minutes	3 sessions per week
Maximum recommended exposure time	max. 13 minutes	
Recommended number of sessions to obtain a tan		7-10 sessions, first visible results after approx. 3 sessions
Recommended intervals between tanning sessions		48 hours
Recommended number of sessions to maintain a tan	max. 13 minutes	1-2 sessions per week

TANNING RULES

- Each user should strictly observe the **RECOMMENDED EXPOSURE SCHEDULE** listed on the tanning unit.
- Make sure that the tanning unit is equipped with a **TIMER. Never use a sunbed without a timer or with defective timer.** The maximum timer interval on the timer may not exceed the maximum recommended exposure time indicated on your tanning unit.
- **Never use a sunbed without filters** (i. e. clear and blue filters for the facials) **or with defective filters.** Missing or defective filters can cause severe sunburn.
- **Avoid any risk of over-exposure.** Possible symptoms of excessive exposure include red and itchy skin, which may blister and peel off, and a painful, itchy rash. Note: Sensitive skin can react with a heat rash immediately after a tanning session. This is due to the remaining infra-red heat rays and is not a sunburn if the symptom disappears shortly after the tanning session.
- **USE PROTECTIVE EYE WEAR!** Wear goggles or other UV-blocking eye protection at all times during a tanning session. Remove contact lenses. As with natural sunlight, overexposure can cause eye injury.
- **Medications may considerably increase your sensitivity to the ultraviolet radiation.** Some reported photosensitizing medications are, for instance, Antihistamines, Contraceptives, Psoralens, Sulfonamides, Tetracyclines, Antidepressants. There are also some medical conditions that can make tanning extremely hazardous. In case of doubt, consult your physician prior to using a sunbed.
- If you notice **any abnormal skin reaction** during or after a tanning session, **do not use tanning equipment again before consulting a physician.**
- **Remove all makeup** and other **cosmetics** before you take a session. Don't use **deodorants** or **perfume** immediately before a sunbath. These products, too, may contain ingredients that may increase your sensitivity to the ultraviolet light. **Skin should be dry and clean** when taking a tanning session.
- Also **remove all jewelry** before a tanning session in order to avoid possible allergic reactions and unattractive stripes.
- Use only skincare products designed specifically for indoor tanning immediately before and after a tanning session. **Don't use any screens** or sun lotions **for outdoor tanning.** These products have been created for a different purpose and a different UV-light spectrum than indoor tanning products and some may also cause photosensitizing or allergic reaction when used for indoor tanning.
- It is recommended to use **specifically designed indoor tanning products.** Pre-and after-tanning moisturizers will enhance your tan and keep the skin soft and supple.
- **Take a series of controlled tanning sessions!** The cumulative effect of multiple sessions will produce increased stimulation of pigment forming cells and result in a long lasting, rich tan which protects better against sunburn.
- **Only use indoor tanning equipment once a day.** Don't sunbathe outside on days you use indoor tanning equipment.
- Please remember that those parts of your body which are normally not exposed to sunlight, will react more sensitively to ultraviolet light. Generally **unexposed areas are likely to react more sensitively** to ultraviolet exposure than the face or arms. Keep also in mind that in spring, after the lack of sunlight in winter, your skin reacts much more sensitively to ultraviolet light than in fall.
- After an intensive series of tanning sessions or an extensive holiday in the sun, **take a rest period** of some weeks before working on the maintenance of your tan.

ALWAYS USE INDOOR TANNING EQUIPMENT IN A RESPONSIBLE AND CONTROLLED WAY.

AVOID ANY POSSIBLE HEALTH RISKS BY OBSERVING RECOMMENDED EXPOSURE TIMES AND TANNING RULES.

ORIGINAL DR. MÜLLER HIGH PERFORMANCE TANNING EQUIPMENT



USER INSTRUCTIONS

- This sunbed produces UV-A radiation similar to that produced by the sun, however, in a much stronger and more concentrated form. The amount of UV-B radiation has been reduced to a minimum. There is no UV-C component present.
- This sunbed will produce much the same results as experienced while tanning in the natural sun. People who are not likely to tan in the sun will also not get a tan from the use of this product.
- Using the sunbed sensibly should prevent sunburn and other types of skin damage
- For this reason, it is recommended that the maximum exposure time listed on the User Label should not be exceeded for someone with a light skin type with some pigments (= skin type II).

PLEASE USE INDICATED EXPOSURE SCHEDULE TO DETERMINE INITIAL EXPOSURE TIMES ACCORDING TO YOUR SKIN TYPE!

- The individual limit is reached if after a few hours after the use of this product the skin turns lightly red or feels a little tight (erythema threshold).

NOTE: THIS ERYTHEMA THRESHOLD SHOULD NOT BE EXCEEDED!

- At all times use the indicated exposure schedule to determine the maximum exposure time and be aware that non tanned portions of the body should be considered when selecting the proper exposure schedule.
- The best distance to the tanning surface is about 6" (15 cm). The length of your hand is a good rule of thumb for this distance. Any position closer to the tanning surface may result in over-exposure.

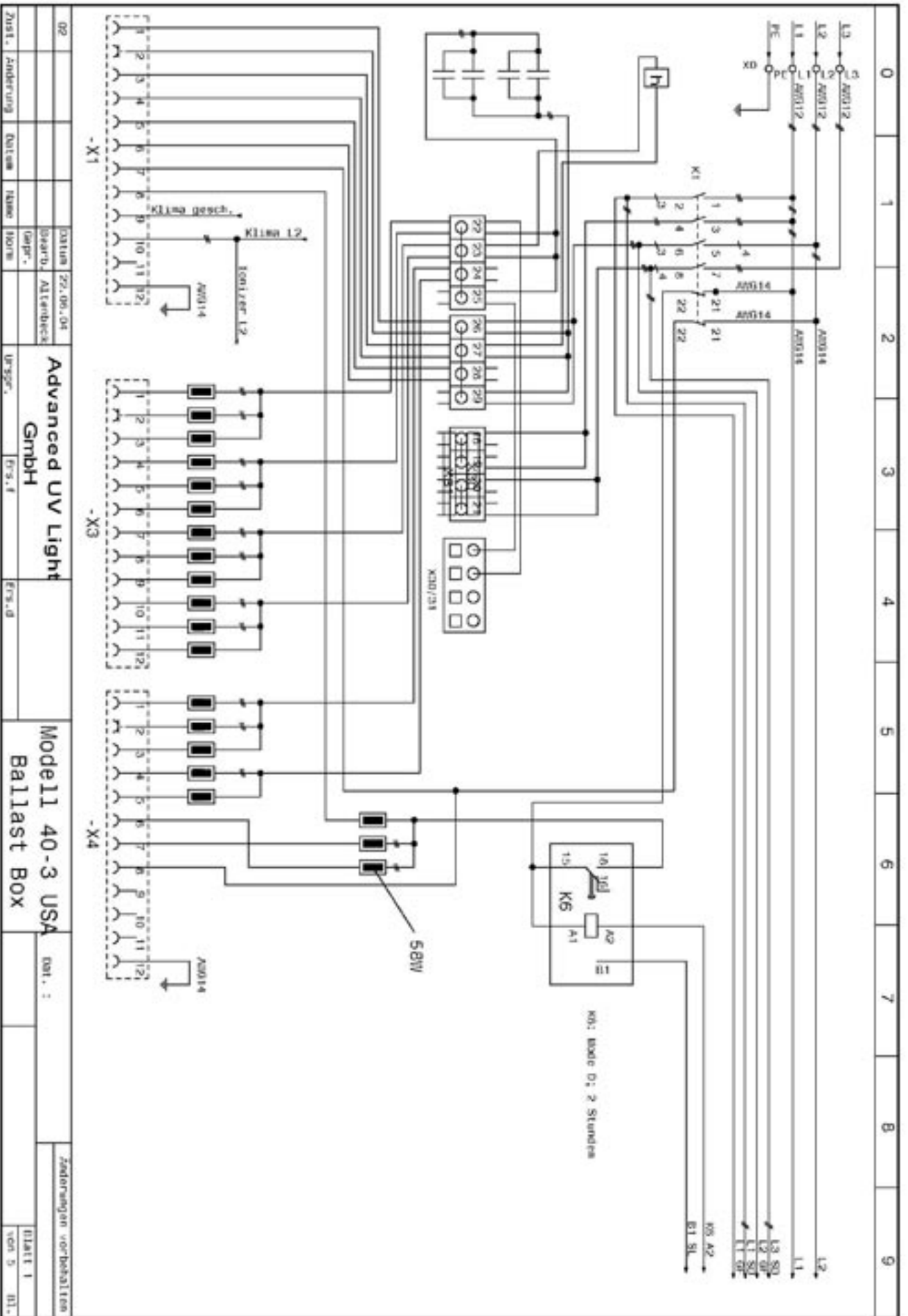
ONLY ONE PERSON MAY USE THE SUNBED AT ONE TIME.

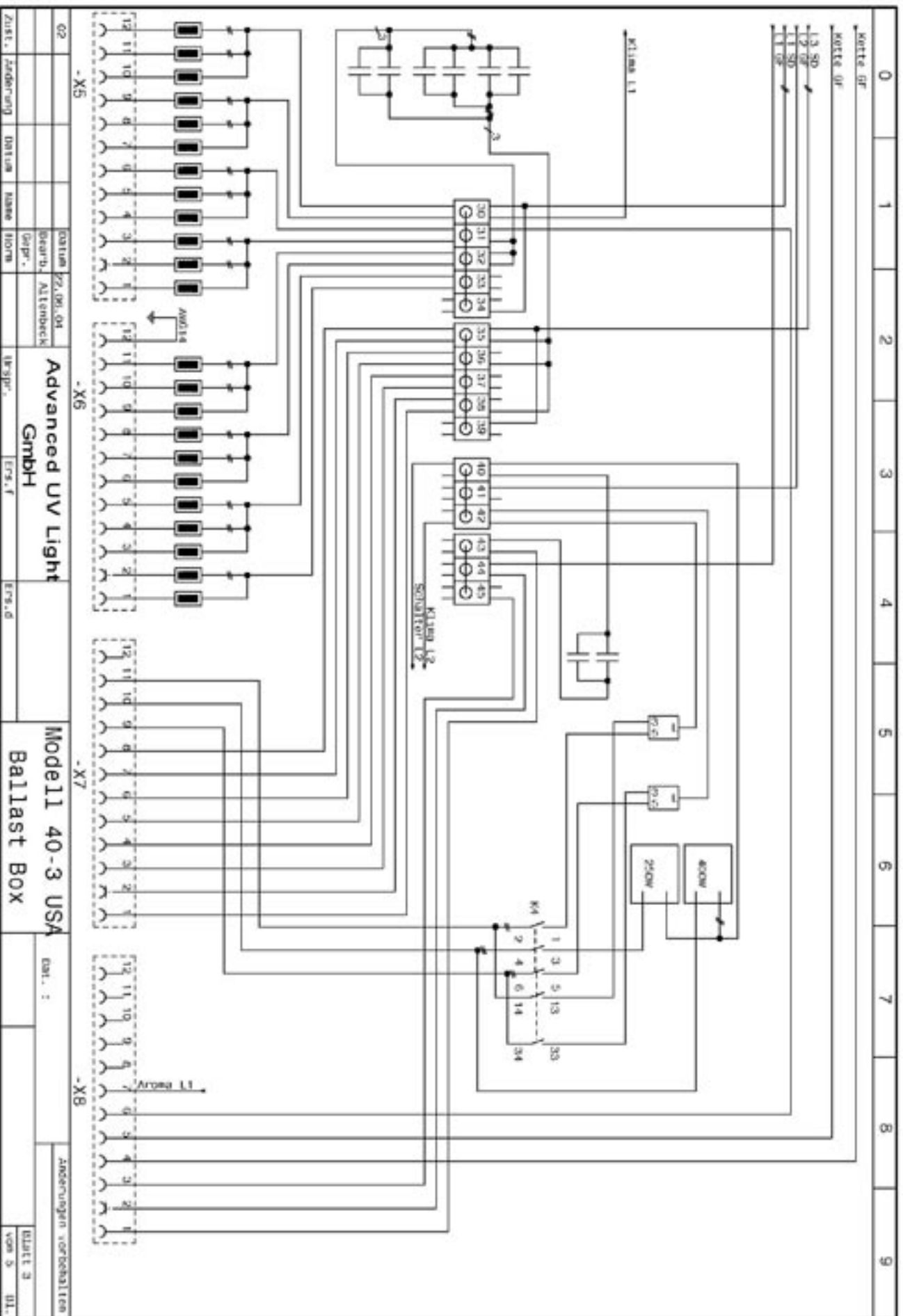
ONLY ONE SET OF PROTECTIVE EYEWEAR HAS BEEN SUPPLIED.

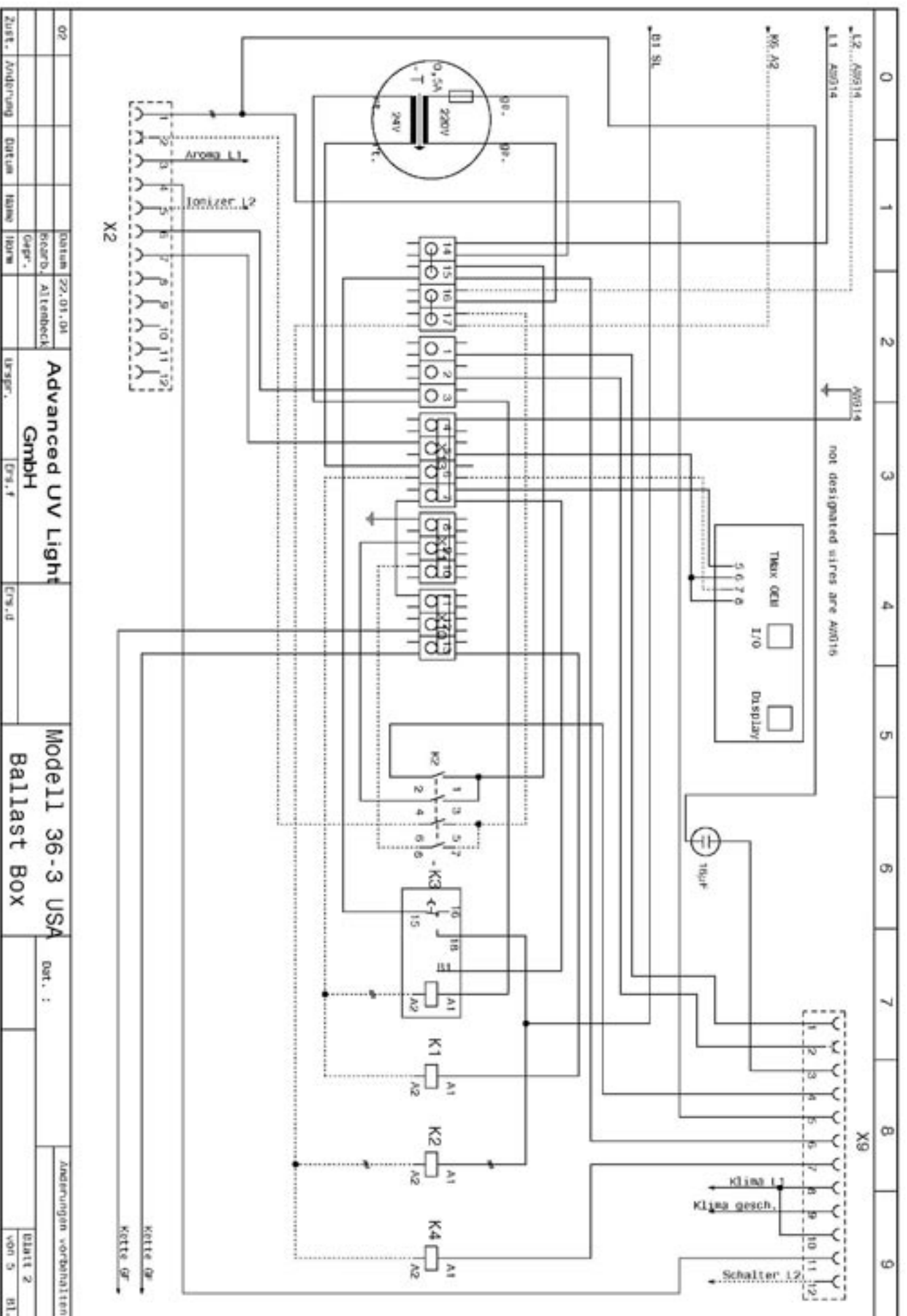
Technical Data:

Model Version 36-3 / 40-3 / 40-0

Type:	Original Dr. Müller Tanning Equipment Model Series ELIXIR
Electrical Connection:	
Vers. 36-03	1-phase 240V/60HZ
Vers. 40-03	1-phase 240V/60HZ – Optional 3-phase D
Vers. 40-00	1-phase 240V/60HZ
Total Wattage:	
Vers. 36-03	
Vers. 40-03	
Vers. 40-00	
Height (Top open):	1690 mm, c. 67"
Height (Top closed):	1180 mm, c. 47"
Length:	2250 mm approx. 89"
Depth:	1200 mm approx. 48"
Weight:	Approx. 350 KG
Body Cooling:	At the head-end; adjustable;
Ventilation:	Central exhaust air fan
Exhaust Air Volume m ³ /h	2.500
Circuit Breaker (1-phase)	Version 36-03 Version 40-03 Version 40-00
Lamp specifications:	
Version 36-03	Facials: 3 x HID lamps 300/500W adjustable Dr M wire Leads Top & Sunbed: 36 x AUVL XR 100W lamps
Version 40-03	Facials: 3 x HID Lamps 2 x 650W adjustable Dr M wire leads Center Facial: 800-1000W Dr M wire leads Top & Sunbed: 40 x AUVL VXR 160W lamps
Version 40-00	NO FACIALS Top and Sunbed: 40 x AUVL XR 120 W lamps (2-meters)







07				Datum	22.01.04	Advanced UV Light		Modell	36-3 USA	Det. :		Änderungen vorbehalten	
				Gepr.	Altenbeck	GmbH						Seite 2	
Zust.	Änderung	Datum	Name	Name								von 5 Bl.	

