

RUBEN **SKY**[®]

WARRANTY

**INSTRUCTION
MANUAL**



www.rubensky.eu

RUBEN[®]
DESIGN

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Dear Customers,

Congratulations on the purchase of our product.

*In response to the constantly growing popularity of the Wellness trend, we have the pleasure of presenting you with our ultramodern lighting system utilising the revolutionary LED technology. Patented as **RUBEN-SKY** the system offers easiness of installation in a vast variety of rooms, interiors, shower enclosures, saunas, bathtubs etc.*

RUBEN-SKY advantages:

- *individual selection of therapeutic colour sequences*
- *80 000 hours of maintenance – free operation*
- *safety certificate*
- *splash-tightness*
- *silent work*
- *stable, non-dazzling light*
- *low power consumption – 25W (halogen lamp only 75W!!!)*

We wish you years of pleasurable and satisfying use of this product.

RUBEN Design

WARRANTY TERMS

1. This warranty is valid as long as usage and installation of **RUBEN-SKY** system followed the procedures within this manual. The warranty period is 24 months from the date of purchase.
It expires automatically if damage has originated from the following causes:
 - unauthorised assembly and installation,
 - improper connection of electric installation and non-observance of the installation instructions,
 - unauthorised repairs,
 - use of the device with disregard to operating instructions,
 - mechanical damage,
 - power network damage or power fluctuations.
2. The customers are asked to place objections in the place of purchase or with the Ruben Design service.
3. All defects will be removed free of charge within 30 days by either repairing or replacement of faulty components.
4. Should a damage occur on which no guarantee is granted all cost of repairs and service visit are covered by the customer.
5. Guarantee card must be filled out on the day of delivery and is valid only with the receipt as well as technical acceptance and bathtub connection certificate signed by a qualified engineer.
6. All warranty repairs documentation is made out by the servicing personnel and signed by the customer.
7. Duplicates of guarantee card will not be issued.
8. CUSTOMER'S SIGNATURE ON COUPON "B" MEANS ACCEPTANCE OF WARRANTY CONDITIONS.

NOTE! PLEASE ALLOW ADEQUATE SERVICE ACCESS TO THE SYSTEM COMPONENTS. THE WARRANTY DOES NOT COVER DEFECTS OR DAMAGE CAUSED BY USER OR OTHER PERSON.



WARRANTY COUPON "A" NO.

DEVICE

RUBEN-SKY SYSTEM

MODEL

WITH A REMOTE

WITH A MANUAL SWITCH

VERSION

20 diodes

40 diodes

60 diodes

SERIAL NO.

SELLER

DATE PURCHASE

purchased from (date and signature)

WARRANTY COUPON "B" NO.

DEVICE

RUBEN-SKY SYSTEM

MODEL

WITH A REMOTE

WITH A MANUAL SWITCH

VERSION

20 diodes

40 diodes

60 diodes

SERIAL NO.

SELLER

DATE PURCHASE

purchased from (date and signature)

.....
Customer's Full Name

.....
Customer's Address

.....
Customer's Signature

For this warranty to take effect fill out Coupon "B" and return to RUBEN DESIGN.



TECHNICAL CONTROL CERTIFICATE

1. Operating test:

TEST RESULT: POSITIVE

.....
Name and Signature of Employee

2. Electrical test in compliance with PN,IEC,60364,6,61

TEST RESULT: POSITIVE

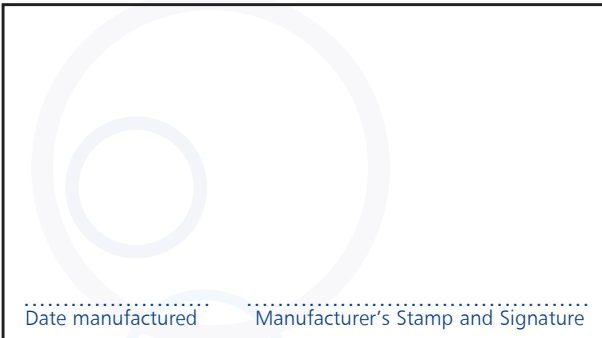
.....
Name and Signature of Employee

CONNECTIONS CERTIFICATE: SYSTEM RUBEN-SKY

The system has been connected to power supply in accordance with the installation instructions and tested for safety in compliance with PN-IEC-60364

.....
Address

.....
Name and Signature of Employee



.....
Date manufactured

.....
Manufacturer's Stamp and Signature

TECHNICAL SPECIFICATIONS

LED-RGB **RUBEN-SKY** SYSTEM HAS SAFETY CERTIFICATES



DEVICE

CHROMATHERAPY SYSTEM **RUBEN-SKY**

VERSION

WITH A REMOTE

WITH A CONTROL PANEL

QUANTITY OF LEDs

20 diodes

40 diodes

60 diodes

ELECTRICAL PARAMETRES

Power supply:	230 V, ~50 Hz,
IP rating:	IP 44
Rated power:	max. 24W
Overload protection:	Built-in thermal fuse

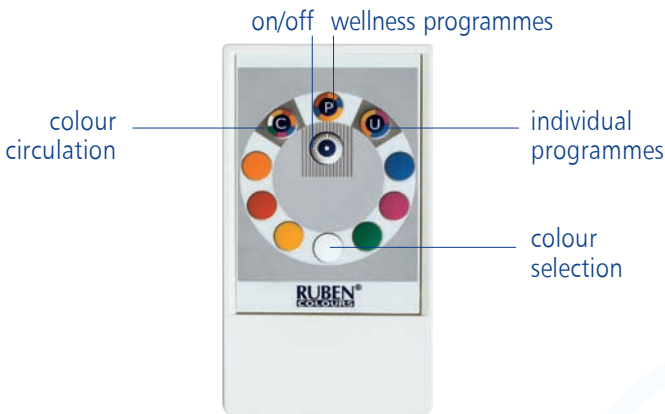
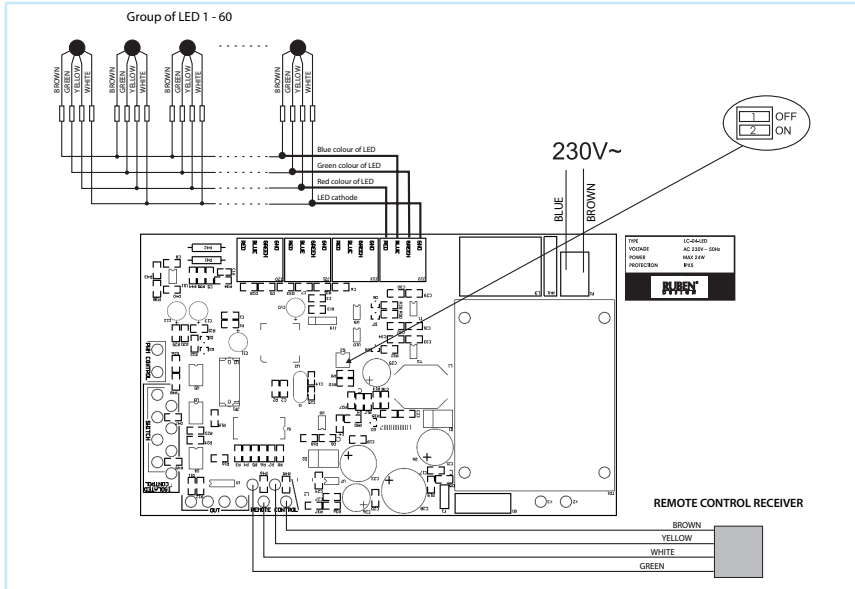
GENERAL FEATURES

Luminous intensity:	up to 500mcd/point
Viewing angle:	100°
Heat emission:	low
LED diameter:	12mm
LED MTBF:	up to 80 000 h

METHOD OF CONTROL:

A remote control or manual

RUBEN-SKY WITH THE REMOTE CONTROL



REGISTERING A NEW REMOTE

Each RUBEN SKY system comes equipped with a ready-for-use remote not requiring registration procedure.

However, each new remote requires the registration procedure to be performed as follows:

- 1/ disconnect the controller from power supply,
- 2/ remove the cover from the controller chassis,
- 3/ locate group switch S1 and turn switch 6 to ON,
- 4/ re-connect power supply,
- 5/ in the remote being registered press the three buttons simultaneously:
C, ON/OFF and yellow.

- 6/ the diodes will flash for 2-3 seconds and then they will turn off,
- 7/ disconnect power supply and turn switch 6 in group switch S1 to OFF.
- 8/ mount the controller chassis cover,
- 9/ connect power supply and activate the system with the newly registered remote.

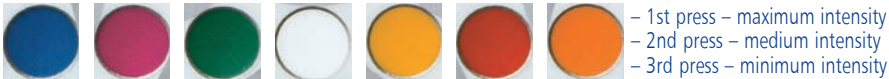
Any button activates lighting mode. System behaviour is monitored by individual buttons.

BUTTON FUNCTION



1. ON/OFF – turns on/off (last used) light pattern
- PRESSING ANY BUTTON ACTIVATES THE SYSTEM -

2. COLOUR SELECTION buttons – selection of an individual colour.
Press and hold of the button enables color intensity adjustment :



- 1st press – maximum intensity
- 2nd press – medium intensity
- 3rd press – minimum intensity

In PROGRAMME mode the COLOUR buttons select a given programme.



3. WELLNESS PROGRAMME button – enables programme selection (this mode is signalled by blinking of the green light) performed by pressing COLOUR buttons.

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. Ruby – INSPIRATION
4min ruby, 2min topaz, 2.5min amber, 3min opal, 2.5min amber, 2min topaz, 4min ruby 2. Amethyst – STIMULATION
5 min amethyst, 2 min ruby, 1.5min topaz, 1.25min opal, 0,5min saphire, 1.25min opal, 1.5min topaz, 2min ruby, 5min amethyst 3. Amber – ENHANCEMENT
5min amber, 3min topaz, 2min ruby, 5min amber 3min ruby, 2min topaz 4. Topaz – ADVENTURE
2min topaz, 1min opal, 2min amethyst, 1min opal 2min topaz, 1min amethyst, 2min ruby, 1min opal | <ol style="list-style-type: none"> 2min topaz, 1min ruby, 2min amber, 1min opal, 2min ruby 5. Sapphire – RELAXATION
5min sapphire, 1min opal, 3min emerald, 1min opal, 5min sapphire, 1min opal, 4min emerald 6. Emerald – CONTEMPLATION
5min emerald, 1min opal, 2min saphire, 3min emerald, 2min saphire, 1min amethyst, 4min emerald, 2min saphire 7. Opal – CHILLOUT
3min opal, 2min amethyst, 1min opal, 2min saphire 1min amethyst, 2min opal, 1min saphire, 2min amethyst, 3min opal, 1min emerald, 2min saphire |
|---|---|

Each programme lasts 20 minutes after which it runs all over again.



4. COLOUR CIRCULATION – turns on all COLOURS alternately.
Button C allows adjustment of the speed at which colour change takes place:
 - 1st press – ca 1,4 sec duration of a single colour
 - 2nd press – ca 9 sec duration of a single colour
 - 3rd press – ca 21,5 sec duration of a single colour



5. USER (U) - individual programming of a 20-min. colour sequence. Pressing the button activates programme setup mode signalled by blinking of the blue light. Adding a colour to the sequence is done by pressing COLOUR buttons. A programme may consist of up to 20 colours – the number also determines the duration of each colour, eg.:

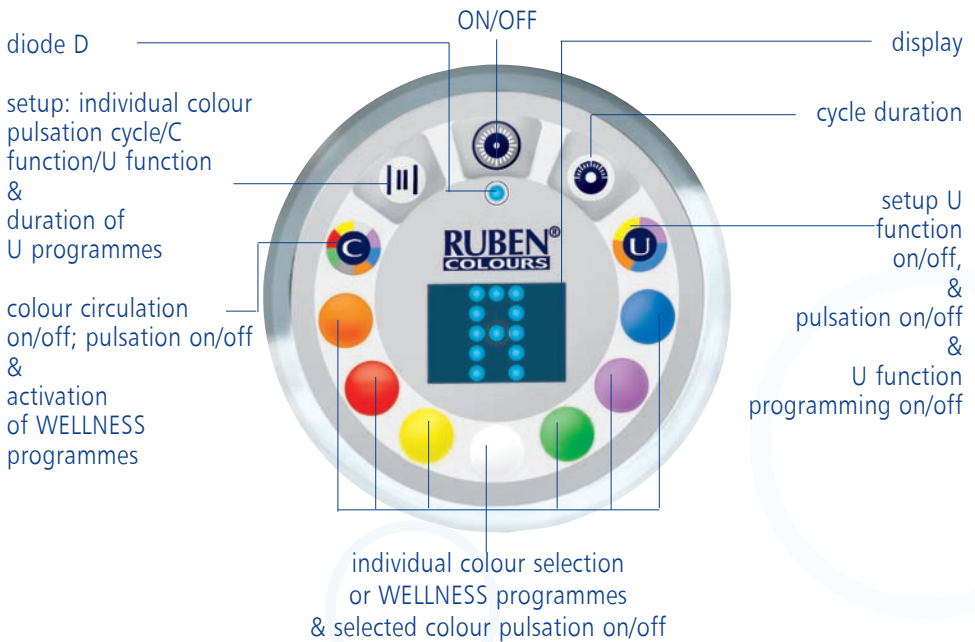
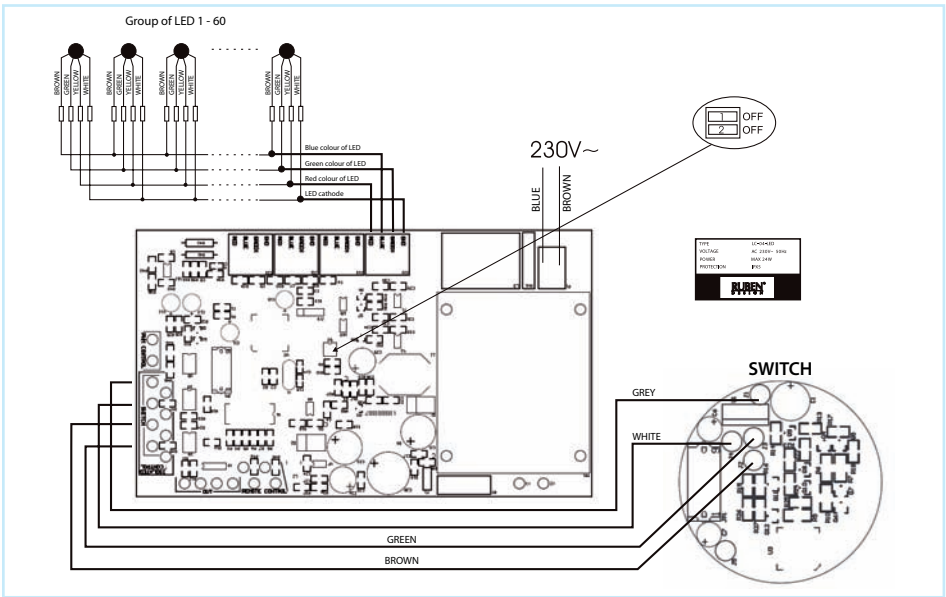
- 2 pre-selected colours – 10 min. each,
- 10 pre-selected colours – 2 min. each etc.

A sample programming procedure:

- press button U (blue light starts blinking)
- selecting only one colour, eg. red, will make it run throughout the whole 20-min. period (registration process is signalled by blinking of a respective colour)
- choosing another colour, eg. yellow, will automatically distribute the available 20 minutes between the two colours, thus assigning 10 minutes for each colour. On reaching the maximum number of 20 pre-selected colours the buttons will become inoperable. Button U activates the programme and the diodes stop blinking.

Each programme lasts 20 minutes after which it runs all over again.

RUBEN-SKY WITH THE CONTROL PANEL



BUTTON DESCRIPTION

DISPLAY SCREEN



1. **ON/OFF**, turns the light on and off.
When the light is on diode D diminishes.
Recently used functions and presets are restored – one of the following variants becomes available:
- preselected colour
 - colour circulation (function C)
 - individual programme (function U)

Currently chosen option is shown on LED display by means of an appropriate symbol (the picture on the right shows screen display with blue-SAPHIRE colour turned on and 4-second pulsation activated).



2. COLOUR SELECTION / PULSATION ON/OFF

Pressing the button switches on one of seven available colours:

- S: SAPHIRE – blue
- V: AMETHYST – violet
- E: EMERALD – green
- O: OPAL – white
- A: AMBER – yellow
- R: RUBY – red
- T: TOPAZ – orange

Each chosen colour is represented on the screen.

Pressing selected colour button again or C / U function button turns on pulsating mode.



AMBER - yellow



RUBY – red



SAPHIRE – blue



AMETHYST – violet



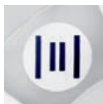
EMERALD – green



OPAL – white



TOPAZ – orange



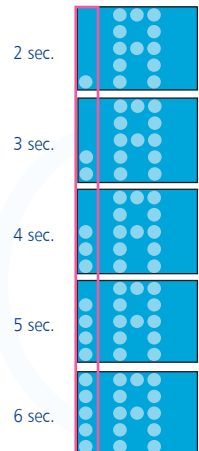
3. PULSATION ADJUSTMENT

There are 5 available pulsation modes:

- 1 light point – 2 sec.
- 2 light points – 3 sec.
- 3 light points – 4 sec.
- 4 light points – 5 sec.
- 5 light points – 6 sec.

Currently selected mode is displayed on the left side of the display and the respective number of diodes is lit up (from 1 to 6).

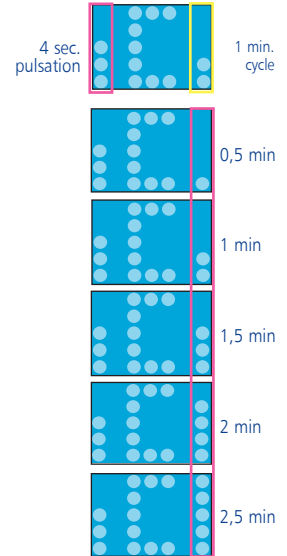
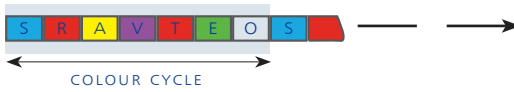
Pulsation is activated by double pressing of COLOUR or FUNCTION button.





4. COLOUR CIRCULATION ON/OFF

A cycle assigns an equal span of time to each of the seven colours



5. CYCLE DURATION SETUP

(determines how quickly colours change: the shorter the cycle the faster the changes occur)
Currently chosen cycle duration is shown in the right column of the display by means of a respective number of lit points:

- There are five options to chose from:
- 1 light point means a 0,5 min. cycle
- 2 light points mean a 1,0 min.cycle
- 3 light points mean a 1,5 min. cycle
- 4 light points means a 2,0 min. cycle
- 5 light points mean a 2,5 min. cycle



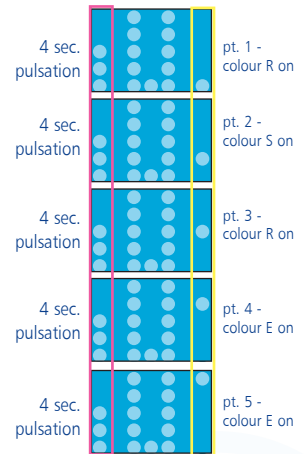
6. U FUNCTION ON/OFF

The programme comes with factory preset values:

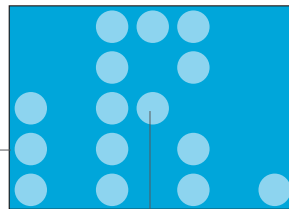
- 1 – colour R: 3 min.
- 2 – colour S: 3 min.
- 3 – colour R: 4 min.
- 4 – colour E: 5 min.
- 5 – colour E: 5 min.

User made changes are automatically saved overriding factory preset values.

With U function turned on the programme item is shown in the right column of the display.



pulsation cycle
(in pulsation
mode activated)
and
duration
of programme
item (3 min)
in setup mode



colour symbol
(R ruby – red)

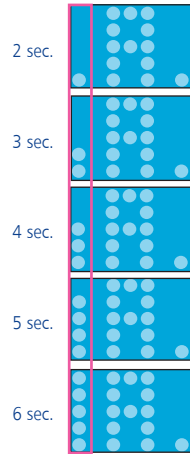
blinking light
(1st programme item)

The display in function U setup mode



7. U PROGRAMME SETUP

To enter function U setup mode **press and hold down the button for 3 sec.** The programme is comprised of 5 items which allow colour selection and colour duration adjustment. Navigating through the 5 items is done by shortly pressing the button. If no changes are made while in the setup mode, previously used values are automatically saved.



8. COLOUR DURATION SETUP FOR EACH ITEM OF U FUNCTION

It is signalled in the left column of the display with a respective number of light points. There are 5 selectable options:

- 1 min. – 1 pt
- 2 min. – 2 pts
- 3 min. – 3 pts
- 4 min. – 4 pts
- 5 min. – 5 pts

The figure illustrates the above variants.

To save the selected values press and hold button U for about 3 sec. If in the setup mode the system is turned of with ON/OFF button the values will not be saved.



9. WELLNESS PROGRAMMES ON/OFF

Press and hold down of the button >3 sec. enables navigation through programmes (signalled by symbol P on the display).

Selection of a programme is done by pressing a respective colour button.



1. Ruby – INSPIRATION

4min ruby, 2min topaz, 2.5min amber,
3min opal, 2.5min amber, 2min topaz, 4min ruby

2. Amethyst – STIMULATION

5 min amethyst, 2 min ruby, 1.5min topaz, 1.25min opal, 0,5min sapphire, 1.25min opal, 1.5min topaz, 2min ruby, 5min amethyst

3. Amber – ENHANCEMENT

5min amber, 3min topaz, 2min ruby, 5min amber
3min ruby, 2min topaz

4. Topaz – ADVENTURE

2min topaz, 1min opal, 2min amethyst, 1min opal
2min topaz, 1min amethyst, 2min ruby, 1min opal

2min topaz, 1min ruby, 2min amber, 1min opal,
2min ruby

5. Sapphire – RELAXATION

5min sapphire, 1min opal, 3min emerald, 1min opal,
5min sapphire, 1min opal, 4min emerald

6. Emerald – CONTEMPLATION

5min emerald, 1min opal, 2min sapphire,
3min emerald, 2min sapphire, 1min amethyst,
4min emerald, 2min sapphire

7. Opal – CHILLOUT

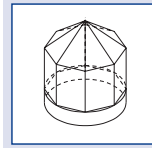
3min opal, 2min amethyst, 1min opal, 2min sapphire
1min amethyst, 2min opal, 1min sapphire, 2min
amethyst, 3min opal, 1min emerald, 2min sapphire

SYSTEM DESCRIPTION - RUBEN-SKY

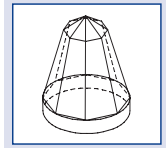
The number of diodes in the system can be expanded up to 600 – monitored manually or with a remote.

SYSTEM	SKY 20	SKY 40	SKY 60
LEDS QTY	20	40	60
CELT	4	8	12
NEVADA	4	8	12
GIZA	4	8	12
SFERIS	4	8	12
ORION	4	8	12
WIRING LENGTH(cm)	4 x 375	4 x 600	4 x 750
CONTROL FUNCTION	a remote / control panel		

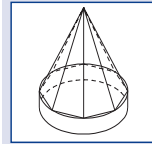
RUBEN-SKY CRYSTALS



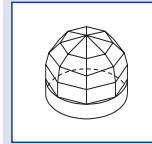
CELT



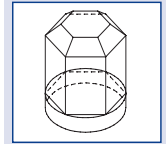
NEVADA



GIZA



SFERIS



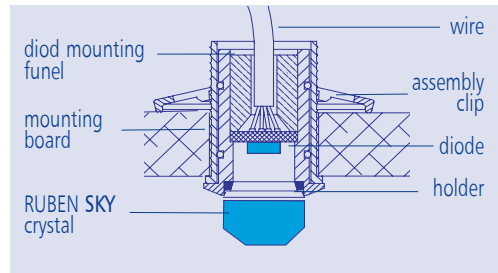
ORION

ASSEMBLY

CRYSTALS ASSEMBLY

RUBEN-SKY components

1. CONTROLLER
2. Light sources (qty): 20, 40, 60:
crystal, diode, fixture, wires
3. Diode mounting funnels (qty): 20, 40, 60
4. Assembly clips (qty): 20, 40, 60
5. Main wire: x4
6. A remote or
- 6a. Control panel with wall mounting funnels



1. Prepare the mounting board (recommended thickness – 10mm). Mark the location of crystals taking wiring length into account (see: chart). Assemble the controller and the wiring.
2. Drill the required number of Ø 16mm holes.
3. Place the mounting funnels into the holes and secure them with assembly clips (note the correct positioning of the clips).
4. Connect the main wiring (marked with „start”) to the controller.
5. Mount the diodes and connect them to the main wires.
6. Secure the crystals in the mounting funnels.
7. Finalise electrical connections according to the diagram (the remote controlled version requires only connecting the controller to the power supply).

CONTROL PANEL ASSEMBLY:

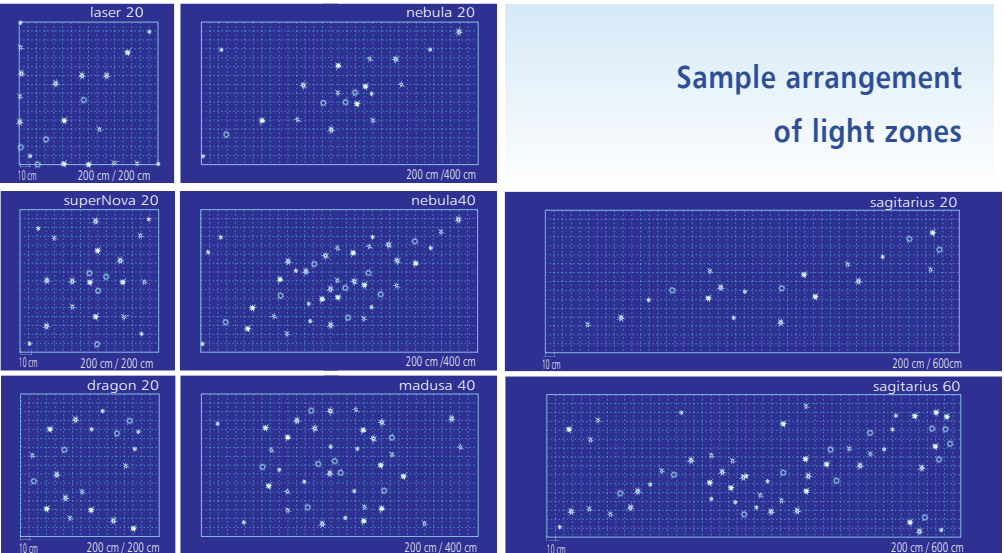
Make a Ø 75mm hole in the wall for the support fixture and the control panel. Using the enclosed wires connect the panel to the main controller.

1. Connect 230V power supply.
(Warranty terms require that all electrical connections must be performed by a qualified electrician with a valid licence)
2. Activate the system as described in this manual.

DIODE REPLACEMENT

Ruben-Sky comes equipped with a repair kit including: a diode, spare wire and an assembly clip.
Diode replacement:

1. Disconnect the system from power supply.
2. Disassemble the mounting funnel with the LED to be replaced,
3. Take out the diode,
4. Cut the connecting wires as close to the diode as possible,
5. Remove a length of outer sleeve carefully so as not to damage inner insulation.
6. Connect 4 wires of the new LED in the same manner as the replaced element paying attention to the colour code. Insert the ends of wires into both sides of the clip and and squeeze with fingers.
7. Mount and secure the new LED in the mounting board.
8. Power on the system and check if it works properly.



Sample arrangement
of light zones

CHROMATHERAPY – NEW WELLNESS TREND

Each color carries a specific energy charge. The eye perceives only 20% of electromagnetic vibrations carried by light., The remaining 80% is absorbed by approximately 2m² of the skin and acupuncture points which is very sensitive and reacts strongly to external stimuli.
Skin cells receive impulses whose strength is determined by color, i.e. electromagnetic wavelength. The impulses reach the brain through our nervous system. By exposing the skin to a specifically tuned in coloured light we can correct energy deficit, enhance metabolism and control mental condition.

RUBENSTONES – LED diodes used in our systems contain the same chemical elements that are found in precious stones. They emit the same colour light of the same constant energetic parameters and qualities as the stones. All these qualities add to the attractiveness and effectiveness of **RUBENSKY** treatment.

Colours can be divided into:

- warm: *yellow, red and orange* – which stimulate and energize
- cold: *violet, blu and green* – which soothe and calm down



AMBER – YELLOW, stimulates mind, mobilizes for action, helps recover self-confidence. Cleanses the skin, removes toxins as well as cellulitis. Cosmetic use: improves skin condition and tightens the pores.

OPAL – WHITE, in autumn and winter substitutes for sunshine, stimulates serotonin production – the hormone responsible for sleep and nervous system.

TOPAZ – ORANGE, helps in depression, enhances self-confidence, vitality and intellectual capabilities. Improves kidneys and blood circulation, speeds up metabolism (helpful in obesity prevention or weight loss).

SAPHIRE – BLUE, relaxing, tranquilizing and improving quality of sleep. Recommended for phobic and neurotic conditions. Has a positive effect on concentration and meditation. Helpful in treating headache, sore throat, painful joints and obesity.



AMETHYST – VIOLET, tones down nervous system, improves sleep, relieves stress and anxiety, enhances imagination. Cleanses the skin, improves lymph circulation. Helps fight cellulitis and heal wounds.

RUBY – RED, raises blood pressure, fights depression, stimulates sensuality as well as emotional and mental activity.

EMERALD – GREEN, antineurotic and harmonizing, heart problems resulting from prolonged stress, fatigue and sleeplessness. In dermatology: soothes skin irritation and inflammation.

PROPOSALS FOR PARA-MEDICAL TREATMENT INDIVIDUAL COLOUR THERAPY

DISEASE	HOW TO USE	LIGHT CYCLES
headache	in case of pain	emerald, sapphire, sapphire, amethyst, amethyst
migraine	in case of pain	emerald, sapphire, sapphire, amethyst, amethyst
other aches	in case of pain	emerald, sapphire, amethyst, emerald, amethyst
blood pressure		
too low	a few times per week	ruby, sapphire, opal, emerald, amethyst
too high	a few times per week	opal, sapphire, emerald, sapphire, opal
irregular heartbeat	three times per week	emerald, amethyst, emerald, amethyst, ruby
venous disease		
sclerosis	three times per week	emerald, emerald, amethyst, emerald, ruby
varicose veins	three times per week	amber, topaz, amethyst, emerald, ruby
rheumatoid arthritis	three times per week	opal, emerald, emerald, amethyst, topaz
kidney stones	three times per week	emerald, emerald, sapphire, amber, opal
gallstones	in case of pain	sapphire, emerald, topaz, sapphire, topaz
hyperthyroidism	three times per week for 6 months	opal, emerald, sapphire, amethyst, topaz
kidney stimulation	daily	ruby, sapphire, amethyst, amethyst, sapphire
stamina regeneration	until improvement	opal, emerald, amethyst, ruby, ruby
rheumatism	until improvement	ruby, emerald, sapphire, opal, opal
skin cleanse and cellulitis	a few times per week	topaz, opal, ruby, amber, topaz
immunity	in case of need	emerald, amethyst, emerald, sapphire, emerald