TYLÓHELO

Installation Instructions
RGBW Light Kit for Saunalogic²

Read instructions thoroughly before attempting installation!

This document outlines the basic steps required to add a lighting system to your Saunalogic² heater and control system (required). Your kit comes with 3 ceiling mount stainless steel fixtures but is expandable to a total of 8 fixtures (purchased separately). 3 lights are sufficient for most sauna cabins up to about 6x8 in size.

☞ *Note: This is the only light kit that is compatible with the Saunalogic² system.*

Verify contents of kit:

1. CAT-5 Ethernet cable (distribution), 7' (qty 3)
2. Stainless Steel light fixture with frosted lens, silicone gasket (qty 3)
3. MR16 RGBW LED bulb with RJ45 connection (qty 3)
4. CAT-5 Ethernet cable (power feed), 16'
5. In-line RJ45/RJ45 modular connector (qty 4)
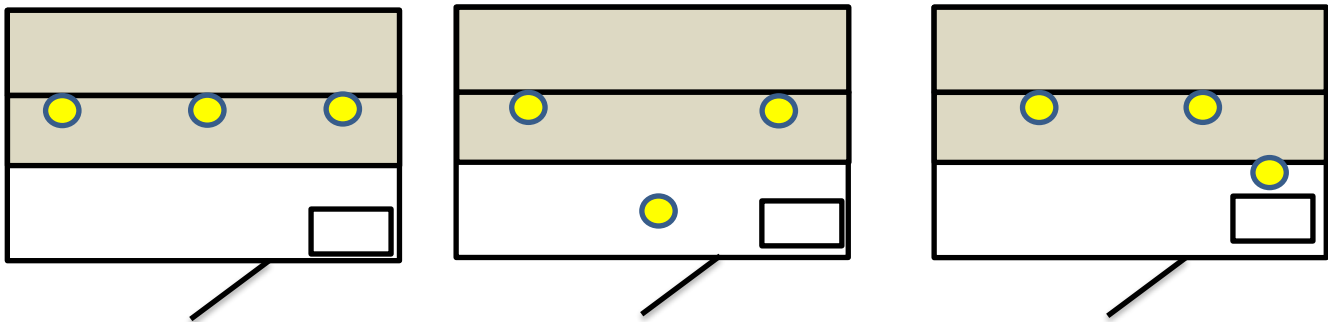6. 8-port RJ45 splitter

Designing your lay-out:

In a standard 7' high sauna, the ceiling-mounted lights in this kit will cast about a 3' diameter beam at the bench level. If spaced correctly, 3 lights will sufficiently illuminate most sauna cabins with a foot print of up to 6x8 feet. The Saunalogic² CB-14 or CB-13 Contactor Box (required) and the 8-port splitter provided in this kit will accommodate a maximum of 8 RGBW bulbs, which can be purchased individually as a kit with the cable and S.S. fixture. However, this system does not provide dimming capability so consideration should be made as to how much light you really want inside the sauna.

The first step in deciding where to put your 3 lights is to look at a drawing of your floor plan or if you do not have a drawing, simply lay-out the design on the floor of the sauna cabin. A good rule of thumb is to place the lights so they are directly above the front edge or slightly forward of the upper bench to avoid shadows and to provide the best lighting for reading. There are no rules that say you must put the lights in a straight line so arranging in a tri-angle fashion will often provide better coverage and looks great too!

Below are a few of ideas on how to place your lights. It is very important to know where your ceiling joists are so you avoid putting a light on a framing member. These lights do work well for highlighting your sauna heater too. Placing a light directly over the front edge of the heater will provide better lighting than placing directly over the center of the heater.

☞ *Note: Do not place light directly over heater*

While the lights and fixtures are very resistant to heat and moisture, the CAT-5 connections and the 8-port splitter are not. Therefore, great care should be taken to ensure that these items are located outside of the sauna cabin. Obviously, the connections to the MR16 bulbs have to be above the ceiling T&G material but the rest of your connections should be located in an accessible location either above the sauna or even in an adjacent utility room or closet.   The only other connection that can be located inside the sauna is the final connection to the LED output port inside the Saunalogic² CB-14 contactor box.

☞ *Note: 8-port splitter must be located outside of the sauna cabin, protected from heat/moisture.*
☞ *Note: Never install these lights in a sauna that uses a wood-burning stove!*

Installation of the electrical cables:

Once you have determined where the light fixtures and the splitter will be located, you can install the power and distribution cables before the T&G wood is installed in your sauna.

Start with the 3 LED lights. Run a single 7' CAT-5 distribution cable from the location of each light fixture to the location of the 8-port splitter. It is recommended to have 6-12" of extra cable at each end of each cable. Next, run the 16' CAT-5 power cable from the location of the 8-port splitter to the Saunalogic² CB-14 or CB-13 contactor box. Again, have a little extra cable on each end and make sure that there is enough cable at the contactor box to reach inside the box from the bottom of the box and into the main PCA card.

> ☞ *Note: If you are roughing in the cables, make sure there is a minimum of 2' available where the contactor box will later be located!*
> ☞ *Note: If the cables provided in this kit are not long enough, you can use any standard CAT-5 Ethernet cable in the length of your choosing, not to exceed 50'*

Light Fixture Assembly:

Grasp the stainless steel fixture from the back side and use your other hand to unscrew the lens cover. Drop the MR16 LED bulb into the fixture base with the connecting cord protruding out the back portion. Screw the lens cover back on to complete assembly.

> ☞ *Note: There is a silicone gasket on the threaded portion of the lens cover. Make sure it is fully seated against the lens housing before attaching the lens cover to the base fixture.*

Light Fixture Installation:

Mark the location for each light fixture on your T&G ceiling. Drill a 2-3/4" hole at each location.
Expose the pre-installed CAT-5 distribution cable through this hole so there is about 6" protruding from
ceilng. Plug this cable end into an in-line coupler then plug the short cable on the back of the light fixture
into the open end of the in-line coupler.
Compress the two spring-loaded retainers, with one hand so they are parallel to the base of the fixture.
With your free hand, push the cables back into the opening in the ceiling and carefully slide the fixture
into the opening with the retainers going in first. Once the retainers are past the opening of the T&G you
can release them and the fixture will pull itself tight to the T&G.

⚠ *Caution! Have a firm grip on the compressed retainer clips as they can "snap" back on your
fingers!*
☞ *Note: Be careful to make sure none of the cables are pinched by the retainer clips.*
☞ *Note: The silicone gasket must be in place to prevent heat/moisture from entering your
ceiling cavity.*

CAT-5 with in-line coupler attached

Assembled light fixture plugged in

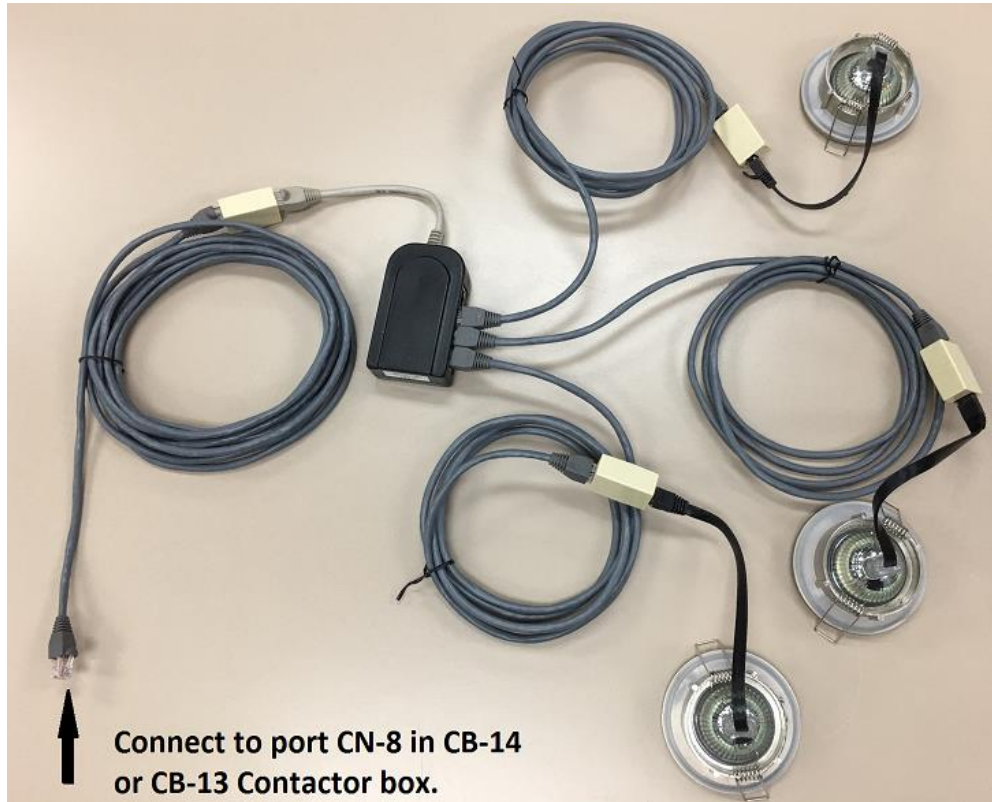Compress retainers and insert into hole
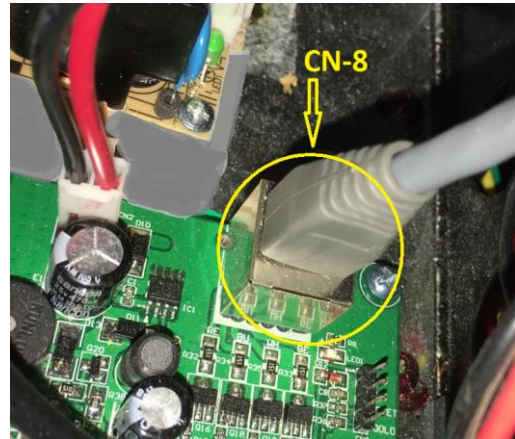

View from above the ceiling

Connecting lights to 8-port splitter:

As shown in the photo below, your 3 LED lights will connect to a main hub or splitter. This splitter will then be connected to the CB-14 or CB-13 Contactor box, required with the Saunalogic² system.

> ☞ *Note: Always locate the 8-port splitter where it will be protected from heat/moisture and is accessible for future service or adding additional fixtures.*

Connect to port CN-8 in CB-14 or CB-13 Contactor box.

Any of the available 8 ports may be used
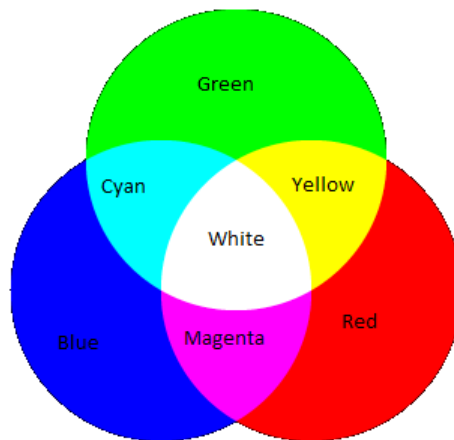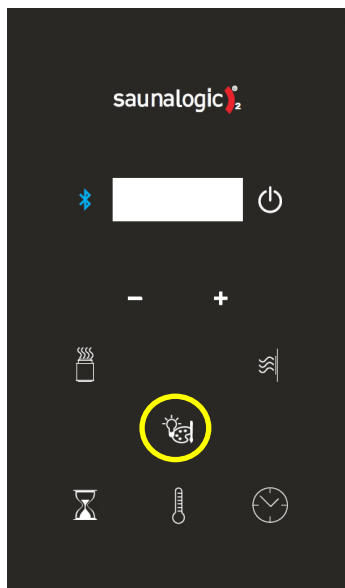

Ethernet from splitter to CN-8

System Operation:

The color and white light is controlled by a single button (indicated with yellow circle below) on the face of your Saunalogic² control. This button has 8 functions plus OFF. The chart at the bottom shows what color each press of the button will produce.   Also, if you press and hold the button for 3 seconds at any time, the lights will shut off.

To Dim the lights, select the color you want (display will show L100) and within 5 seconds, press the + or – keys to adjust in 25% increments. Options are 25%, 50%, 75% and 100% brightness.

Imersing yourself in color light can have many mood and wellness benefits. Reference the color mixer and chart below to choose a color that will maximize your sauna experience!

☞ *Note: The lights operate indipendant of the heater so you do not need to have the sauna heating in order to use the lights.*

Button Press	Function
1	White light , reading
2	Red light, Vitality & Energy
3	Green Light, Health & Wellbeing
4	Blue Light, Calmness & Peace
5	Yellow light, Fun & Creativity
6	Cyan light, Intuition & critical thinking
7	Magenta Light, Romance & Adventure
8	Rotates through all colors
9	Lights OFF

Troubleshooting:

Symptom	Solution
Lights won't turn on	Check for power to the CB-14 box. Verify main CAT-5 plugged into CN-8 inside CB-14 or CB-13 box. Verify that the light switch on the Saunalogic² control lights up when pressed (check for power to CB-14 or CB-13).
One light does not light at all	Swap the "bad" light for one that works. If the problem follows the "bad" light, replace it. If the problem is isolated to the original cable, check all connections. Replace in-line connector or cable, if found to be the problem.
One light has different colors than the other two	Check for a nail or staple that may have penetrated one of the CAT-5 cables.

Replacement Parts List

Replacement parts are available exclusively through TyloHelo Inc.

S.S. Fixture with gasket	8038-72
RGBW bulb, MR16, RJ45 plug	3160-39
8-port splitter	2311-270
In-line coupler, RJ45/RJ45	2310-10
CAT-5 Ethernet cable, 16'	5304-005
CAT-5 Ethernet cable, 7'	5304-002
Add-on kit (single)	8801-104
Complete Saunalogic² light kit	3162-47

Warranty

TyloHelo Inc. will warrant any component of the Saunalogic² Light Kit for a period of 1 year from date of purchase when used as instructed in a sauna environment and connected to a Saunalogic² control system. Any other use may void the warranty. Contact TyloHelo Technical Support for warranty or installation assistance. 1-800-363-0251 or techsupport@tyloheloinc.com

Date of Purchase:_____Place of Purchase:_____

Record product serial number here