115 Bowes Rd, Unit 2,
Concord, ON. L4K 1H7
Ph:905-738-4017 / 800-387-7029
sales@saunafin.com
www.saunafin.com

Tylo White LED Strip Lighting Using Tylo Control or Switched 115vac Power from your Sauna Control (Non-Dimmable)

Installation and User Manual

Switched 115vac

LED Strip Valance Build and Installation

Connect the RJ45 plug to either a single white light or to the 8-port splitter for multiple (up to 8) light
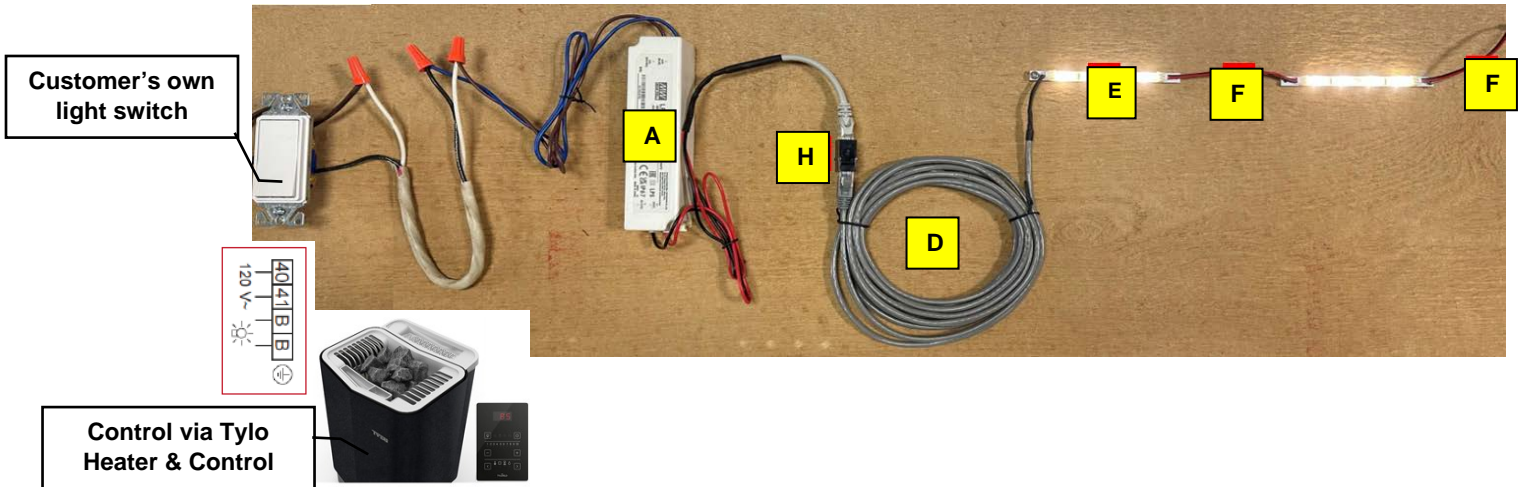
MW MEAN WELL **LPV-60-12** Class 2 Power Supply
• INPUT: 100-240V~ 1.2A 50/60Hz
• OUTPUT: +12V⎓ 5.0A
LPS
IP67
ACN (BLUE)
ACL (BROWN)
S/N: HB71189476
V+ (RED)
V- (BLACK)
MEAN WELL ENTERPRISES CO.,LTD.
No.28, Wugong 3rd Rd., Wugu Dist.,
New Taipei City 24891,Taiwan
Manual:www.meanwell.com/manual.html
For use in Dry and Damp Locations Only
MW01 EL
MADE IN CHINA

Connect the brown wire to Hot and the blue wire to Neutral of either a switched 115vac source if using with sauna control or to constant 115vac if using SaunaChrome Control.

12vdc power for the light system is supplied via either an 8w or 60w power supply that comes with the lighting system. The following photo shows an example of the 60w power supply but the 8w supply will wire in the exact same manor. The Blue and Brown wires will connect to your desired switched power from either the Sauna Heater/Control system or from your single pole light switch. These power supplies are water proof and can be mounted on the interior of your sauna. A typical location would be under or near the bottom of your heater or under the lower bench. While the power supply is water proof, the CAT5 connection is not. So, care must be taken to ensure this connection is not subjected to direct moisture.

CUSTOMER'S OWN CONTROL
(Light Switch or Tylo Plus or Combi heater)
For 8' strip along one wall (i.e., under bench, on backrest, ceiling valance)

Customer's own light switch

A

H

D

E

F

F

Control via Tylo Heater & Control

LED-8 (8' LED Base Kit)
1 - Transformer (from 110v power supply) –(A)
1 - Control cable, (5m Cat5 to 2-pin connector c/w RJ45 connector) (D)
16+1 - 4" (10cm) LED strip lights (E)
16+1 - 4" (80mm) LED harness (2-pin to 2-pin) (F)
16 - 1" screws
1 - RJ45 connectors (as noted above) (H)

LED-8-PLUS (Additional 8' LED Lights)
Additional 8' strip for adjoining wall (i.e., under bench, above backrest, ceiling valance)

16+1 - 4" (10cm) LED strip lights (E)
16+1 - 4" (80mm) LED harness (2-pin to 2-pin) (E)
16 - 1" screws
1 - 12" (30 cm) harness (2-pin to 2-pin) (to go around corner (not shown)
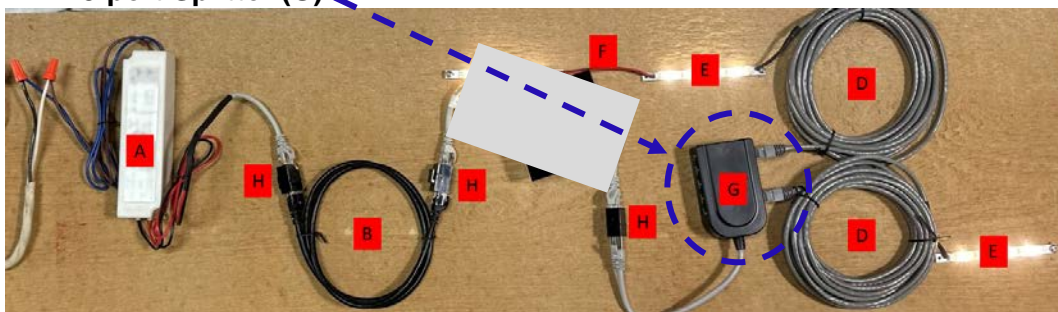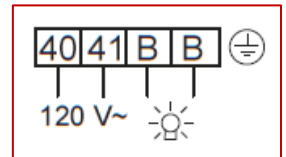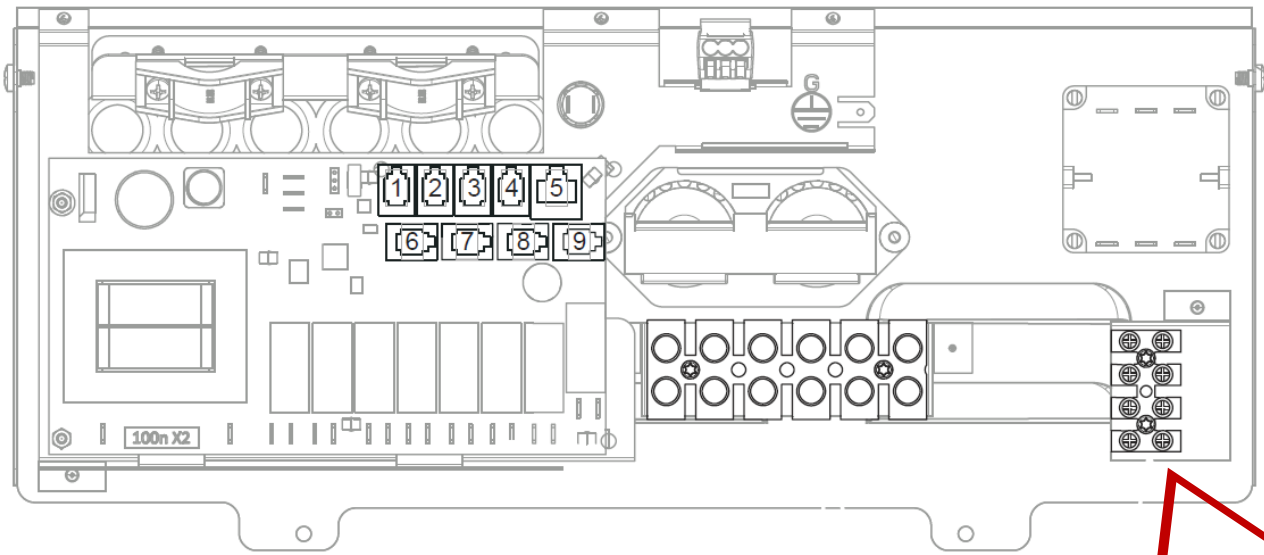
LED-2S (Secondary Surface Kit)
Required if planning to have two levels of LED
(i.e., under bench and valance or on backrest & under bench)

Additional 8' strip for adjoining wall (under bench, above backrest, ceiling valance)

1 - Control cable, (5m Cat5 to 2-pin connector c/w RJ45 connector (D)
1 - 8-port Splitter (G)

A

H

B

H

H

F

E

G

D

D

E

TYLÖ®
for the senses

40 41 B B ⏚

120 V~ 💡

For use only if you want to use sauna control to operate your light (not dimmable).

Requires separate 120v supply. (Do **NOT** take 120v from main 240v supply.)

100n X2

Connecting White LED lights to Switched 115vac Power Source

You can connect your lights to operate using your Sauna Heater Control if it has a light switch or you can connect to any switched, <u>Non-Dimmable</u> 115vac power source as well.

The Sauna Controls listed below are equipped with a built-in light switch. If your heater control is not listed or you have a heater with built-in controls then you will need to provide a switched, Non-Dimmable (standard single pole) 115vac/15amp power source.

- Customer's Own Light switch

- Tylo Pure or Elite

All of the controls listed above provide a switched 115vac output with terminal block connections that may be located inside the heater, inside the control or if in a large comercial sauna the connections may be inside a contactor box. You will need to consult the owner's manual for your particular heater to determine where your switched 115vac is located.

<u>Low Voltage Connections:</u>

All of the lights in the SaunaChrome family utilize a CAT5 wiring platform. With the only exception being the 2-conductor wiring harness that connects the individual LED strip lights, all wiring connections are simple plug-n-play with standard CAT5 cables using RJ45 plug ends.

All lighting surfaces (individual light fixtures or continuous run of strip lights) wire to a central hub with a "home-run" format. In other words, each fixture will have a CAT5 cable running to the 8-port splitter. This is the exact method used for a LAN Network BUT <u>do not attempt to connect these lights to a Network or damage to the Network or lights will result!</u>

SaunaFin Cedar Valance Assembly

Fabricated using two pieces of 1x4 t & g. Rip tongue off one piece and the groove off the other. Glue the two boards together.

Nail and glue 1x2 strip over seam (on inside face of valance.
Cut 2x2 provide to approximately 6" long pieces. Nail & glue as shown to ends and middle
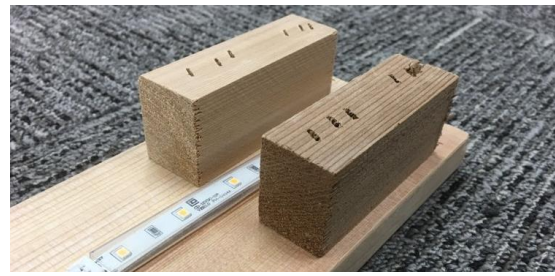

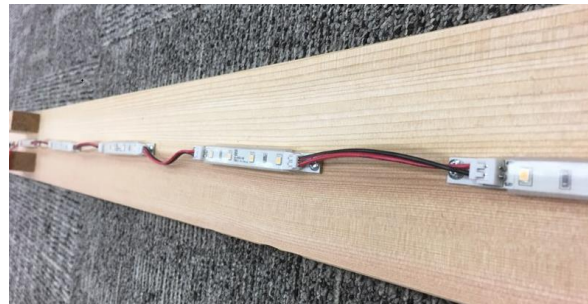**Install LED lighting trips as shown in TyloHelo installation manual**

How to build & install a simple LED Light Valance Fixture

These steps will work equally well for installing backrest, valance or under-bench LED lights

Backside view of a simple valance built from 1x4 cedar with 1x1 stand-off legs.
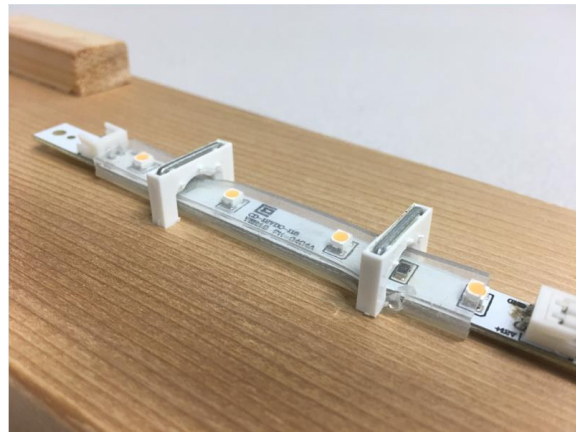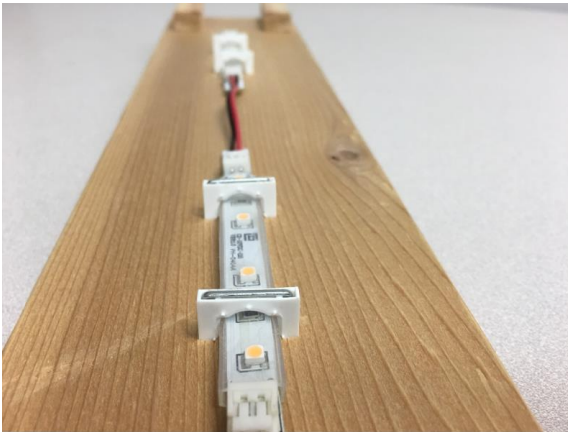

Each LED strip is attached with two screws and connected electrically with a provided wire harness. Make sure each connection is fully seated. Apply a slight tug to each to make sure they will not come apart easily. For best lighting, space each LED strip evenly along the length of the 1x4 but leave a little slack in the wire harness to allow for expansion/contraction during the sauna heating process.
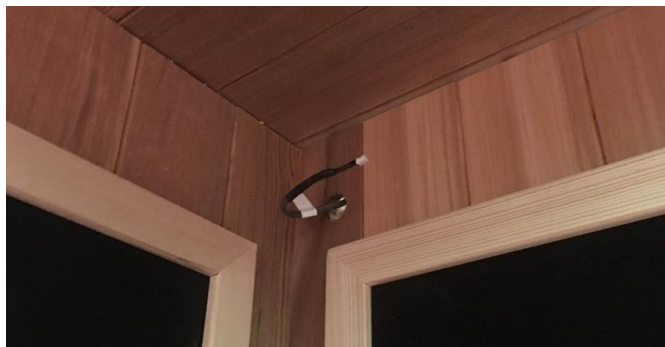

Either end of the Valance Light will have open contacts when all LED's are connected. The power cable from your 12vdc power supply or from your SaunaChrome Touch Control will connect to one of these ends. The other end can remain open. Attach completed valance to sauna wall by drilling/screwing through face of Valance and 1x1 stand off's.

An alternate attachment method is shown below. If you have a large number of LED strips to install, it may be faster/easier to use a T72 staple gun equipped with 3/8" insulated staples to attach the LED strips instead of using the small SS screws. Make sure to position the staples in between the LED diodes to prevent blocking the light or causing shadows. If you do not have access to a T72 staple gun, regular 3/8" Romex staples will also work for this method.

Mounting the Valance to Sauna wall

In this example, the Valance Light will be mounted on the back wall with the electrical connections in the left corner. Drill an access hole in the T&G paneling and feed the 2-conductor end of the special CAT5 cable to the center of where the 1x1 stand-offs will attach to the wall. You will need at least 6" of the 2-conductor cable to attach to the open connection on the LED strip. When mounting the valance you can push the extra wire back into the access hole.

Firmly attach the 2-conductor cable to the open end of the LED strip. Give the cable a gentle tug to make sure the connector is locked onto the LED strip. Push the excess cable back into the wall cavity and secure the valance to the sauna wall with wood screws.

Attach Valance to wall with wood screws. Hint: mounting the Valance closer to the ceiling will give you less light wash on the ceiling. The lower you mount it, the more light wash you will have on the ceiling. You may want to turn the valance on and decide on the best position before securing to wall. Plug screw holes with wood plugs for a finished appearance.

Note: All corner trim should be installed before attaching the Valance Light.