

LUXCANVAS™



SCAN FOR
DIGITAL VERSION



RECESSED

Dry Location Series: RGB, RGBW, Tunable White

An easy-to-install LED ceiling lighting solution that we provide fully assembled or assemble on-site for you! Many illuminated textiles require you to undergo the arduous task of assembly, but LEDCONN does this part for you to streamline the installation process. All you have to do is hook up the electrical components and you're good to go!

For your safety, please read and understand these instructions completely before starting installation and retain this guide for future reference. This guide applies to both LUXCANVAS™ and LUXCANVAS FLOAT™ recessed installations for static white color temperatures.

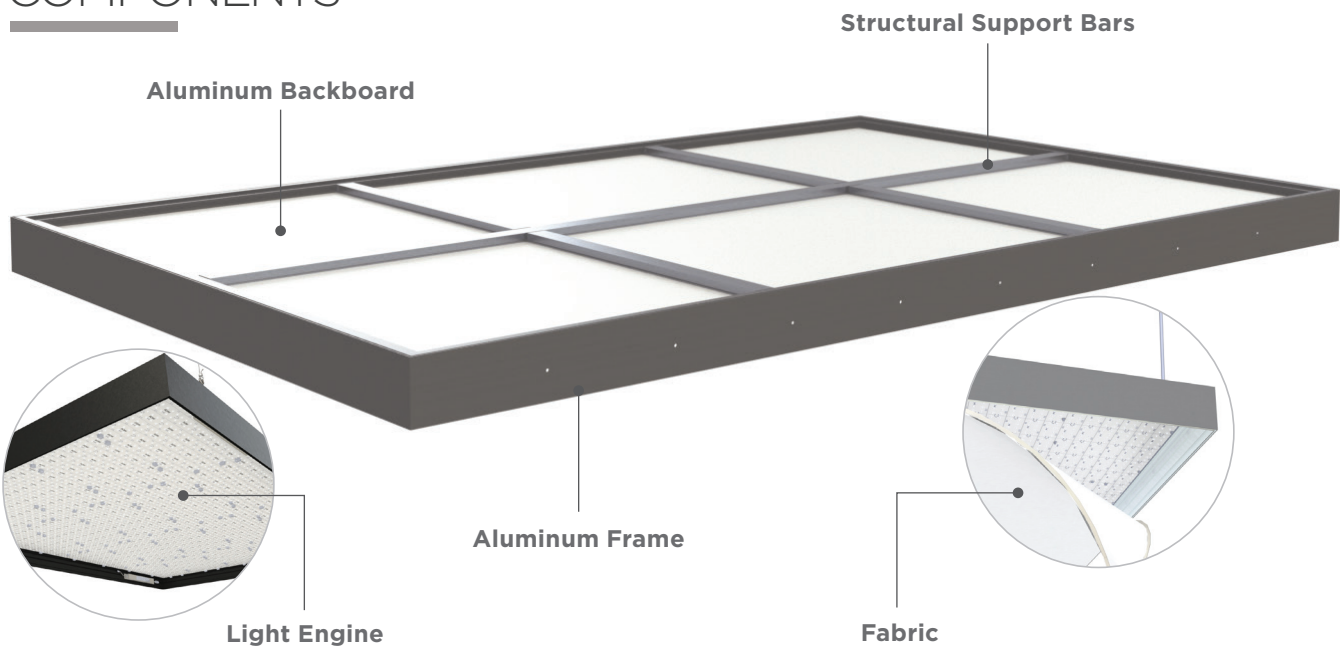


Recreate the effect of natural daylight without needing to open a window with our edgeless LUXCANVAS™ LED Luminous Ceiling luminaire. LUXCANVAS™ is a multifunctional, fully-assembled tension fabric luminaire that will transform your environment into open, brightly illuminated spaces. Boasting a clean, frameless look, this beautiful low-profile lighting fixture provides visual and emotional impact for wall and ceiling recessed applications.

Use recessed luminaires for

- Office lighting
- Showroom lighting
- Retail Environments
- Airports
- Museums

COMPONENTS



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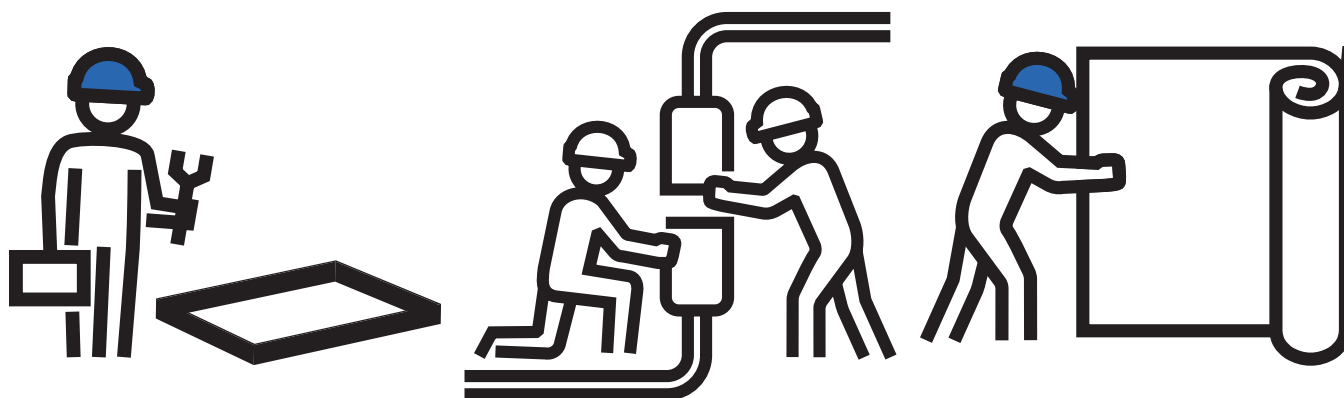


ASSEMBLY

Standard Shipment Assembly Standard sized LUXCANVAS will be shipped pre-built and fully assembled.

Oversize Shipment Assembly Due to logistical reasons, oversized LUXCANVAS are shipped to sites unassembled where on-site assembly by LEDCONN technicians is required. **General and Electrical contractors are responsible for the electrical and mounting installation of the assembled LUXCANVAS fixture.**

ON-SITE ASSEMBLY PROCEDURE BY LEDCONN TECHNICIANS FOR OVERSIZE LUXCANVAS



1) The LEDCONN technicians will arrive on-site and assemble the LUXCANVAS structure.

2) Your general and electrical contractors will lift the fixture, hang it, and hook up the electrical connections.

3) After installation is complete and the work space is clear and free of debris, LEDCONN technicians will install the fabric textile to the face of the LUXCANVAS fixture.

ELECTRICAL

Route appropriate power connection(s) to installation location, performed by a qualified electrician.

WITH REMOTE POWER SUPPLIES/CONTROLS



- LUXCANVAS with remote power supplies and controls will contain multiple low voltage wire exits connected to an array of low voltage light engines.

- Mount the electrical components in the desired location and route appropriate size and quantity of DC conductors from power supplies and controls to the LUXCANVAS.

- With the breaker off, connect electrical conductor leads to LUXCANVAS. Make sure to connect any dimming or control wires to your system.

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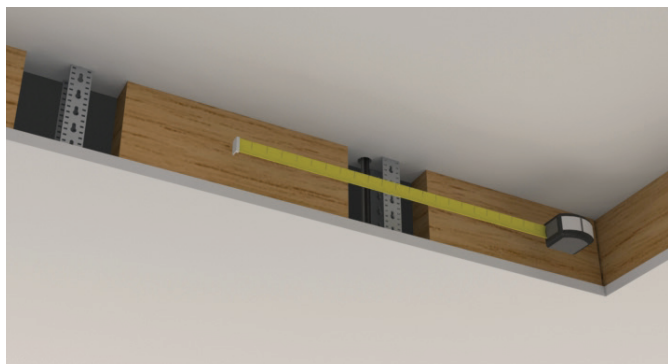
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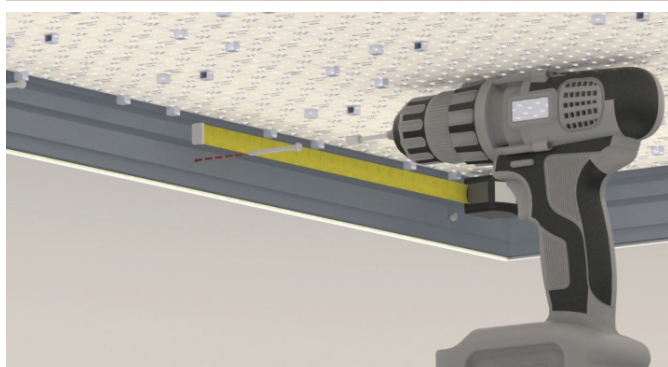
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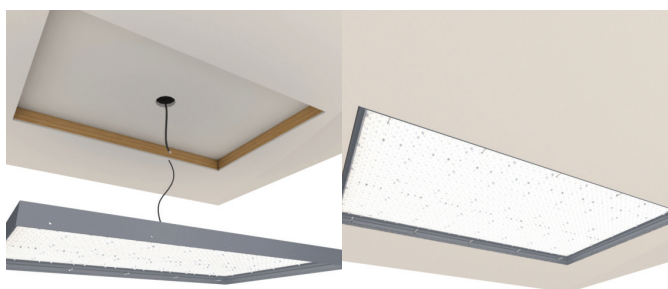
MOUNTING: RECESSED



Measure structural mounting points in the ceiling where the LUXCANVAS will be secured to.



Based on the locations of the structural points, pre-drill holes in the side wall of the LUXCANVAS frame, making sure to avoid any wiring or electrical components.



Make the final electrical connections using a qualified electrician in accordance to national and local electrical codes.

With sufficient manpower, lift the LUXCANVAS structure into the designated mounting location.

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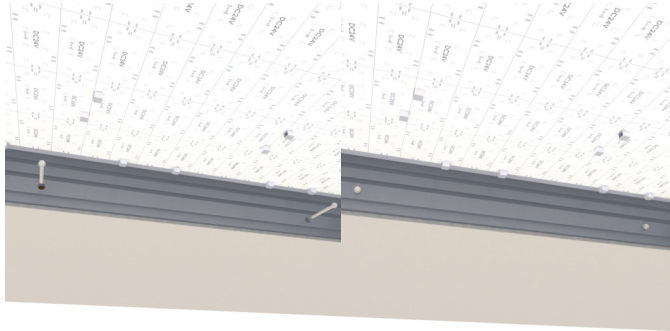
RECESSED

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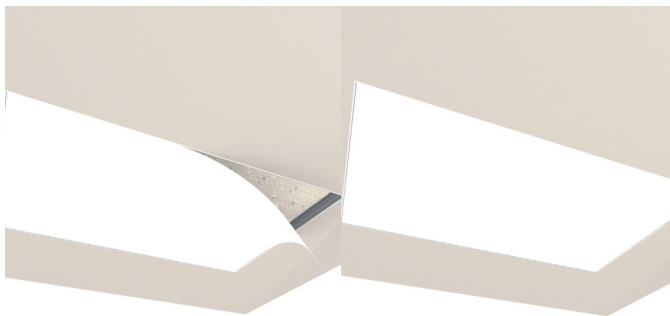
MOUNTING: RECESSED



Fasten the LUXCANVAS frame to the structural mounting points in the ceiling.



Apply mudding to seal the gaps between the aluminum frame and the ceiling structure.



After mudding has dried, install the fabric textile into the inside edges of the frame.

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RECESSED

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POWER, CONTROLS & WIRING

Dimming accessories, split connectors, extension cords, and power supplies are available for purchase.

Before wiring to a power supply, always turn off electricity at the fuse or circuit breaker box.

ELECTRICAL POWER CONSIDERATIONS

- Use the supplied Class 2 power supply to power the LUXCANVAS. The warranty will be forfeited if a power supply not approved by LEDCONN is used.
- LUXCANVAS is offered with UL & cUL Listed & Recognized Class 2 24VDC power supplies. Please check the input voltage and use the power supply that matches the indicated voltage.
- The total power of the lighting fixture must be lower than the output power of the power supply and dimming controls.
- For remote DC power, use only Class 2 power supplies rated 24VDC unless specified otherwise.
- For integrated AC power, use only Class 2 power supplies rated 120-277VAC or less, unless specified otherwise.
- To maintain Class 2 power compliance, do not exceed more than a 96W load circuit.
- 1 power supply can power 1 wire exit.
- Using a power adapter is essential for remote power. AC power may only be used when power is shipped in a fully integrated, pre-assembled setup. Using remote power with AC will instantly burn the LEDs, permanently damage the product and void the warranty.

MANAGING VOLTAGE DROP

- Keep wires between LUXCANVAS and power supplies as short as possible to prevent voltage drop.
- We recommend heavier wire gauges for longer distances. Please reach out to our team for recommended AWG.

FOR SPECIAL CONTROL/WIRING SYSTEMS

If you will be using a control or wiring system that is not listed in this guide, please reach out to the manufacturer of your selected product for their instructions. Please inform us which system you will be using so we can recommend additional accessory components as needed for system compatibility.

WIRING COLOR CODES

CCT	Min. Wire Gauge (AWG)	Power Type	Wire Color	Charge
RGB	20	DC (Remote)	Black	+
			Red	-
			Green	-
			Blue	-
RGBW	20	DC (Remote)	Black	+
			Red	-
			Green	-
			Blue	-
			White	-
Tunable White	20	DC (Remote)	Black	+
			White (Cool White)	-
			Yellow (Warm White)	-

DMX WIRING WITH DMX DECODER

For live control

- 1) Connect your computer to the DMX controller via USB.
- 2) Connect the DMX controller to the DMX Decoder.
- 3) Connect your wires from our light source to the DMX Decoder.
- 4) Connect your driver to the DMX Decoder.
- 5) Chain additional drivers/light sources in the same manner as needed

For stand alone control

- 1) Connect your plug-in USB power adapter to the DMX controller.
- 2) Connect the DMX controller to the DMX Decoder.
- 3) Connect your wires from our light source to the DMX Decoder.
- 4) Connect your driver to the DMX Decoder.
- 5) Chain additional drivers/light sources in the same manner as needed

For wall switch / wall mount control

- 1) Connect your wall switch/mount to the DMX Decoder.
- 2) Connect your wires from our light source to the DMX Decoder.
- 3) Connect your driver to the DMX Decoder.
- 4) Chain additional decoders/drivers/light sources in the same manner as needed.

DMX WIRING WITH INTEGRATED DMX DRIVER

For live control

- 1) Connect your computer to the DMX controller via USB.
- 2) Connect the DMX controller to the DMX Driver.
- 3) Connect your wires from our light source to the DMX Driver.
- 4) Chain additional drivers/light sources in the same manner as needed.

For stand alone control

- 1) Connect your plug-in USB power adapter to the DMX controller.
- 2) Connect the DMX controller to the DMX Driver.
- 3) Connect your wires from our light source to the DMX Driver.
- 4) Chain additional drivers/light sources in the same manner as needed.

For wall switch / wall mount control

- 1) 1) Connect your wall switch/mount to the DMX Driver.
- 2) Connect your wires from our light source to the DMX Driver.
- 3) Chain additional drivers/light sources in the same manner as needed.

COMPATIBLE CONTROLS



EXAMPLE OF A USB DMX CONTROLLER



EXAMPLE OF A DMX DECODER



EXAMPLE OF A WALL SWITCH/MOUNT



EXAMPLE OF A DMX DRIVER

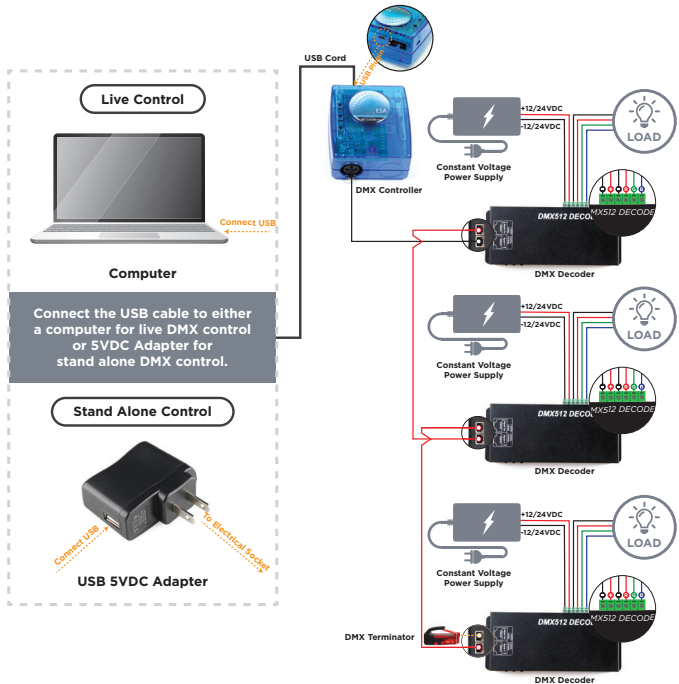


DMX WIRING DIAGRAMS FOR RGB

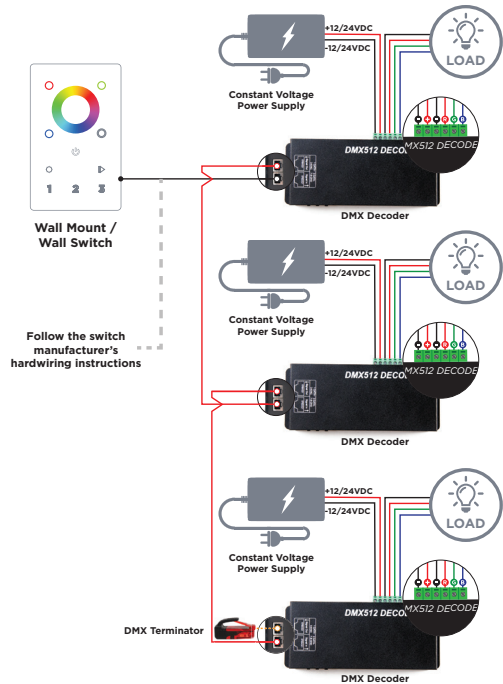
For more information about driver & control options for RGB, visit our [website](#) and download the [drivers & controls guide](#).

If you will be using a control or wiring system that is not listed in this guide, please reach out to the manufacturer of your selected product for their instructions. Please inform us which system you will be using so we can recommend additional accessory components as needed for system compatibility.

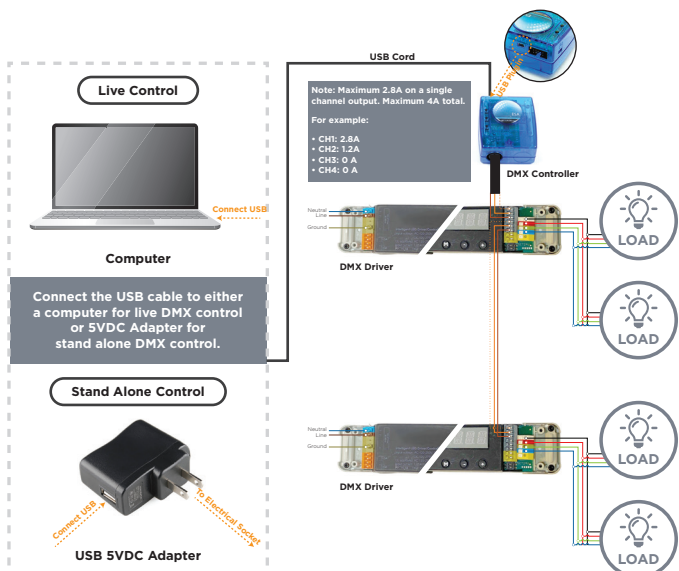
DMX WALL SWITCH / MOUNT WITH DMX DECODER: RGB



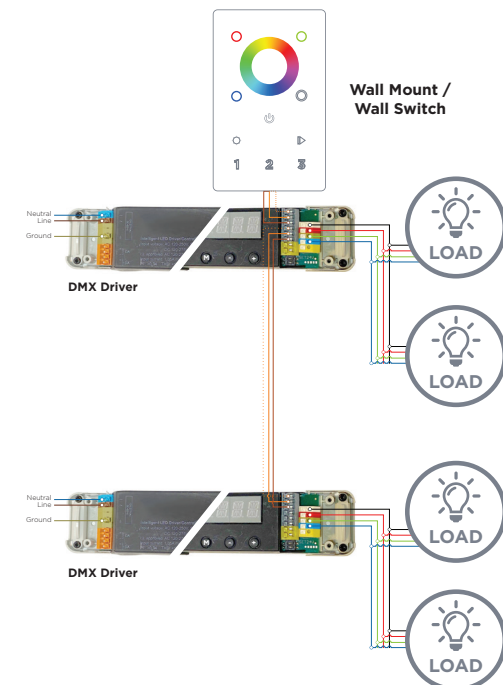
DMX WALL SWITCH / MOUNT WITH DMX DECODER: RGB



LIVE OR STAND WITH DMX DRIVER: RGB



DMX WALL SWITCH / WALL MOUNT WITH DMX DRIVER: RGB



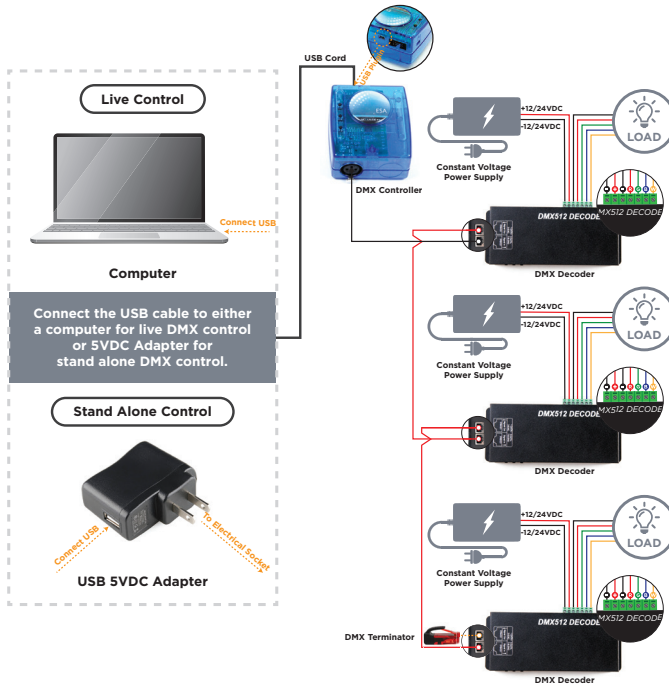


DMX WIRING DIAGRAMS FOR RGBW

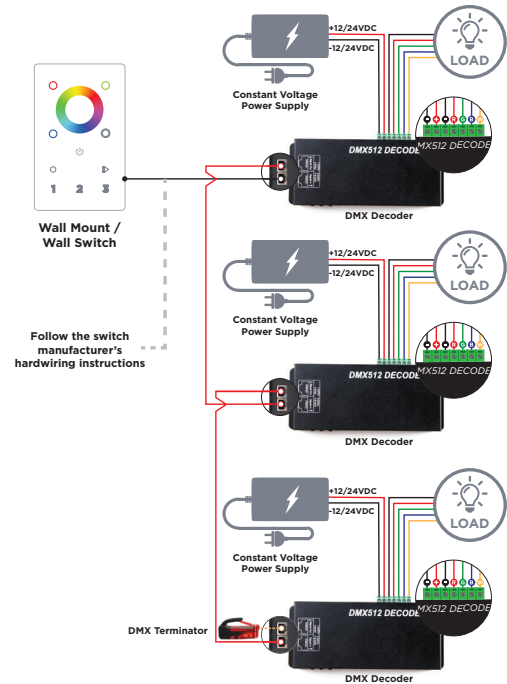
For more information about driver & control options for RGBW, visit our [website](#) and [download the drivers & controls guide](#).

If you will be using a control or wiring system that is not listed in this guide, please reach out to the manufacturer of your selected product for their instructions. Please inform us which system you will be using so we can recommend additional accessory components as needed for system compatibility.

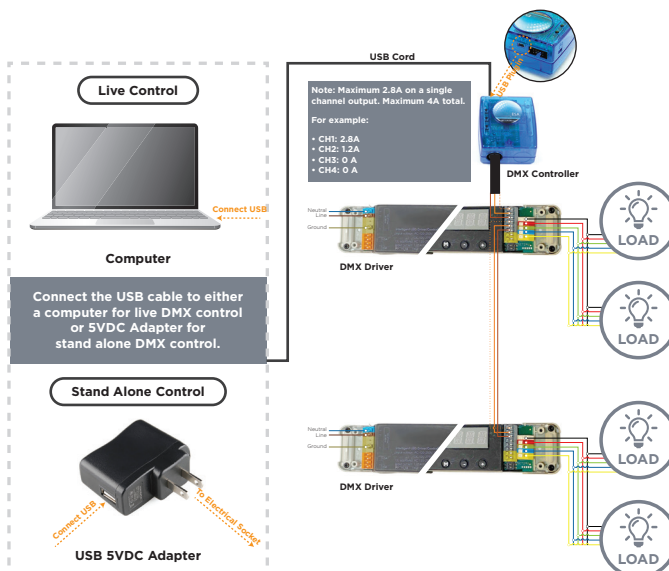
DMX WALL SWITCH / MOUNT WITH DMX DECODER: RGBW



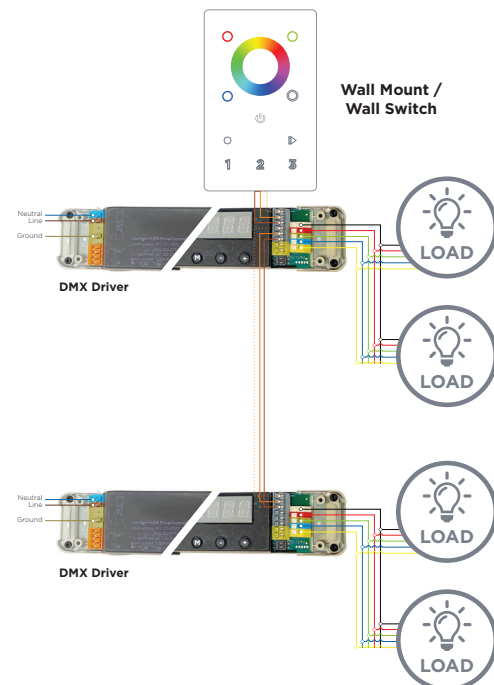
DMX WALL SWITCH / MOUNT WITH DMX DECODER: RGBW



LIVE OR STAND WITH DMX DRIVER: RGBW



DMX WALL SWITCH / WALL MOUNT WITH DMX DRIVER: RGBW



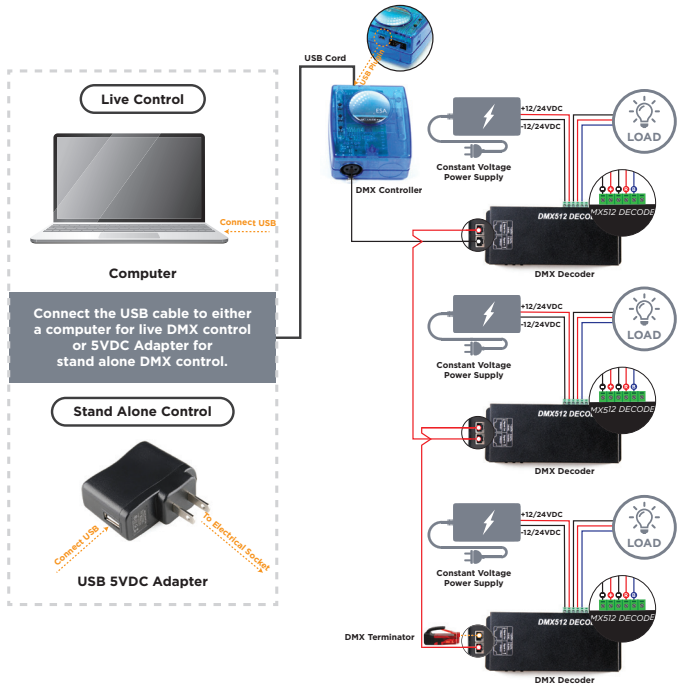


DMX WIRING DIAGRAMS FOR TUNABLE WHITE

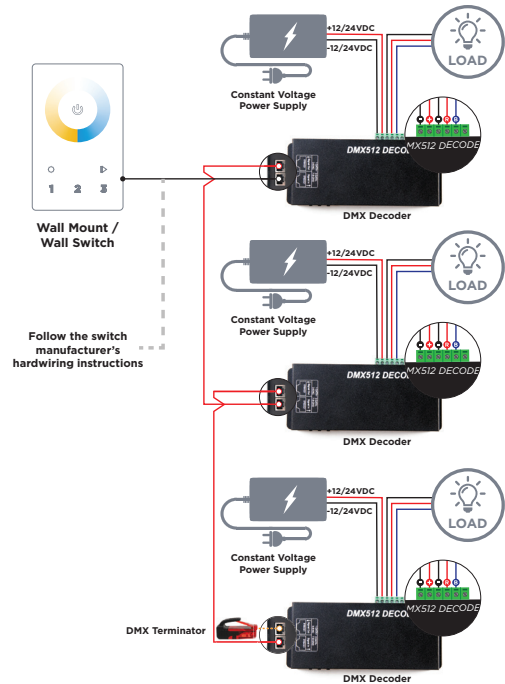
For more information about driver & control options for Tunable White, visit our [website](#) and [download the drivers & controls guide](#).

If you will be using a control or wiring system that is not listed in this guide, please reach out to the manufacturer of your selected product for their instructions. Please inform us which system you will be using so we can recommend additional accessory components as needed for system compatibility.

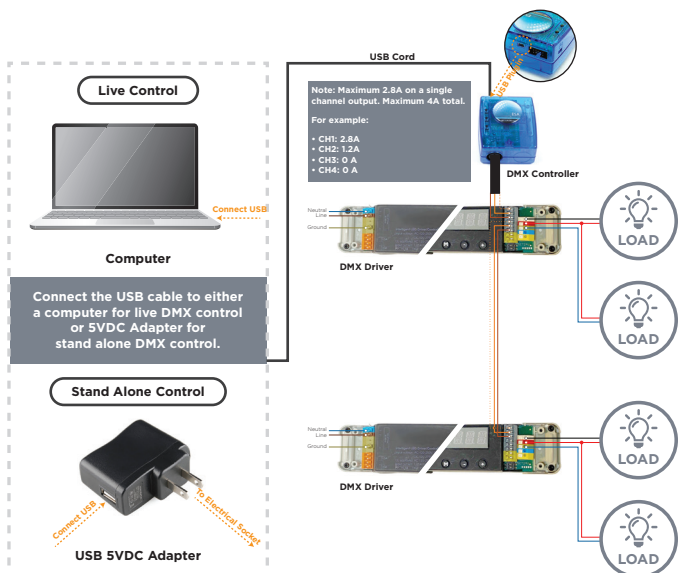
DMX WALL SWITCH / MOUNT WITH DMX DECODER: TUNABLE WHITE



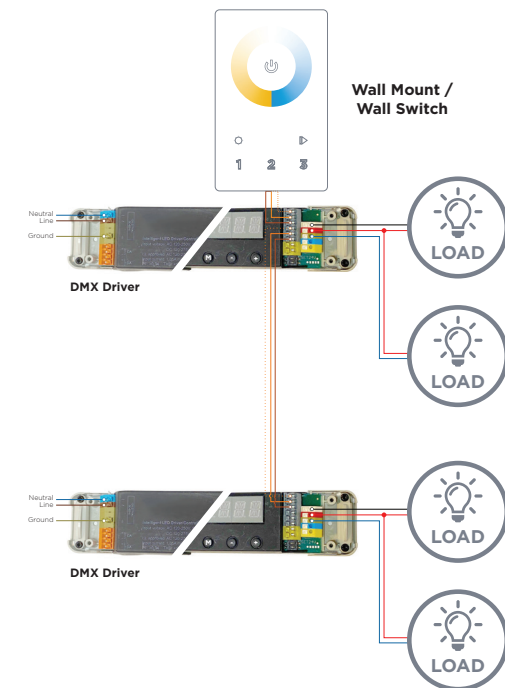
DMX WALL SWITCH / MOUNT WITH DMX DECODER: TUNABLE WHITE



LIVE OR STAND WITH DMX DRIVER: TUNABLE WHITE



DMX WALL SWITCH / WALL MOUNT WITH DMX DRIVER: TUNABLE WHITE



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STORAGE & MAINTENANCE

- Always wear clean gloves when handling LEDCONN LUXCANVAS. indoors and do not get the product wet.
- Handle the fabric around the silicone beading and avoid directly touching the fabric face to prevent transfer of dirt or fingerprints.
- Maintain original packaging material until time of installation.
- Avoid exposure to water to any part of LUXCANVAS.
- Store LUXCANVAS in a dry and clean area.
- Ensure there is sufficient manpower available to support the large and heavy final mounting of LUXCANVAS.
- Avoid touching the fabric face.
- Maintain clean workspace that is free of dust and debris.

IMPORTANT SAFETY INSTRUCTIONS

Installation of this assembly requires a person familiar with the construction and operation of the luminaire's electrical system and the hazards involved. If not qualified, do not attempt installation. Contact a qualified electrician if you are unfamiliar with methods for installing electrical wiring, secure the services of a qualified electrician.

LEDCONN LED fixtures are designed to meet the latest NEC requirements and are listed in full compliance with the relevant UL standard(s). Before attempting installation of any LED fixture, check your local electrical building code. All electrical connections must be in accordance with local codes, ordinances and the National Electric Code. Always confirm that the maximum wattage of your luminaire does not exceed the maximum wattage of the connected electrical circuit.

- **IMPORTANT** Risk of fire or electric shock. Installation of this luminaire assembly requires a person familiar with the construction and operation of the luminaire's electrical system and the hazard involved. If not qualified, do not attempt installation. Contact a qualified electrician
- **IMPORTANT** Do not connect LED light engine to AC power!
- **IMPORTANT** Risk of fire or electric shock. Install this assembly only if the luminaires have the construction, features, and dimensions shown in the photographs and/or drawings.
- **IMPORTANT** To prevent wiring damage or abrasion, do not pinch or damage exposed wiring during installation. Keep away from edges of sheet metal or other sharp objects
- Verify power is off before installing or un-installing.
- Do not use product if any LED components are damaged.
- The product has no user serviceable parts. Do not attempt to open the product or repair it on site. If damaged, please notify LEDCONN immediately for servicing.
- Do not exceed the specified voltage and current input (refer to the specification sheet for power limitations).
- Do not hot plug the light engine to an energized power supply. Hot plugging may cause permanent damage to the LEDs.
- Avoid looking directly into the luminaire as the high brightness beam may damage eyes.
- LEDCONN's limited warranty applies only to LEDCONN's LUXCANVAS LED textile luminaire.
- This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during installation.
- Please retain these instructions for maintenance reference.
- Test before installing; LEDCONN products undergo rigorous reliability testing before shipment, but due to unforeseen shipping and handling issues inspect the assembly accordingly.

WARRANTY



**LIMITED
MANUFACTURER
WARRANTY**

These handling and mounting materials and any other communications related to the installation of LUXCANVAS LED Textile are offered for informational purposes only. Handling and mounting is the installer's responsibility. Under no circumstances is LEDCONN assuming any liability, express or implied, regarding the installation or application of any of its LUXCANVAS LED Textile, whether proper or improper. Further, LEDCONN assumes no liability for any costs associated with the installation or re-installation of LUXCANVAS LED Textile.

The standard warranty for this product is 5 years. Any damage caused by mishandling or improper installation of the product as outlined in this installation guide will void the warranty. Examples of mishandling or improper use include but are not limited to: not cutting along product cut lines; using power supplies or controls not recommended by LEDCONN; and using product in damp environments without proper damp location treatment. Please consult a LEDCONN team member for more information about the warranty coverage.