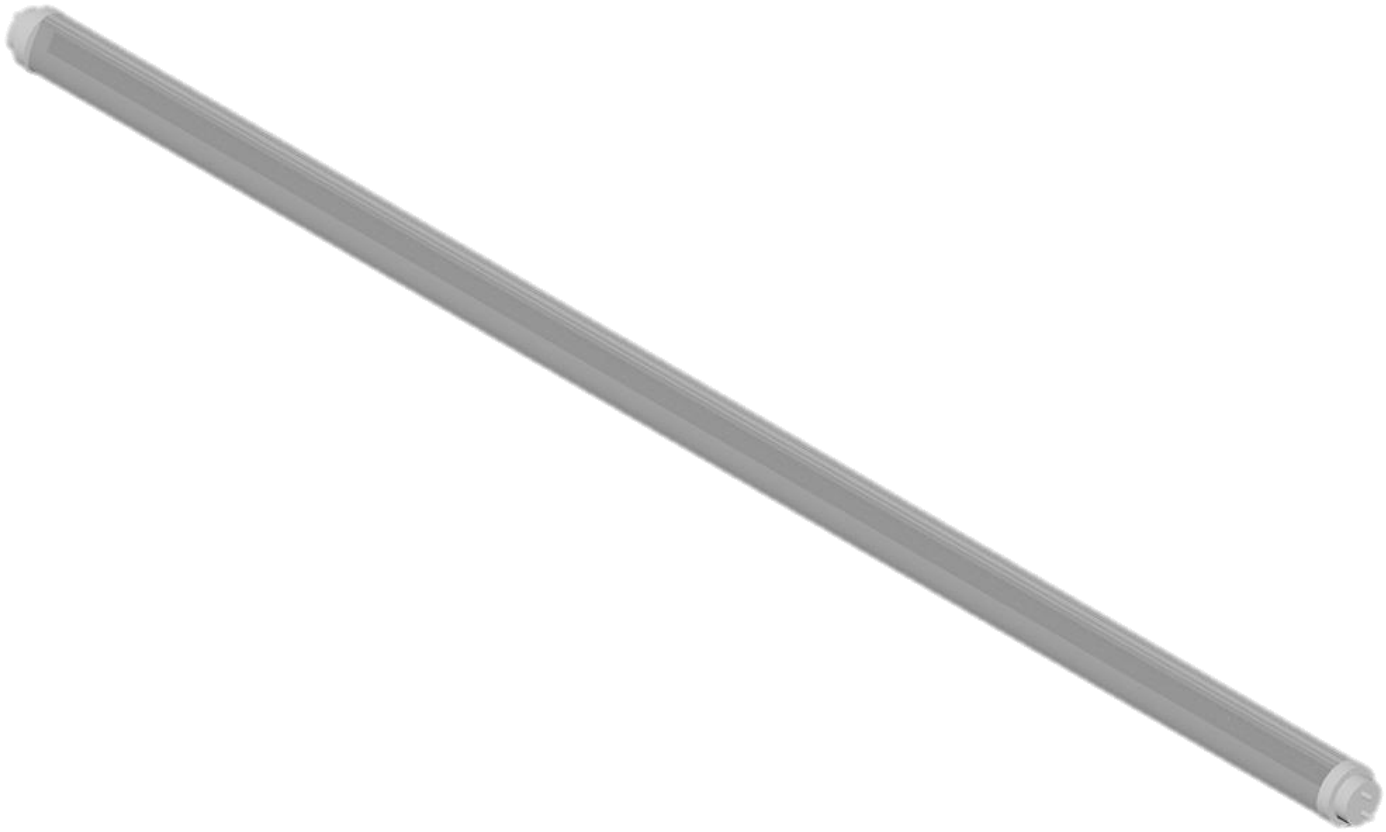
365-G5/482-G5/483-G5/484-G5/485-G5
Series 5 LED Lamps
W&UV, RGB, RGBW, RGBUV, RGBW&UV
Retrofit Kit Installation Manual



Light-Emitting –Diode Luminaire Retrofit Kit UL E500744, E500743, E505419

VersaLamp Patent No. US,299351 B2, Canada: 2,944,752, International Patent Pending

Manual Version: V2.3

DFX 465 Taunton Avenue, Suite 108, West Berlin, NJ 08091
800-555-5280 www.dfxsoundvision.com

WARNING! Before you begin, read these instructions completely and carefully.

TABLE OF CONTENTS

IMPORTANT

- Save these instructions for local inspector's use. Observe all governing codes and coordinates.
- Note To Installer – Be sure to leave these instructions with the Customer.
- Note To Customer – Keep these instructions for future use.
- Proper installation is the responsibility of the installer.
- Product failure due to improper installation is not covered under the Warranty.
- Electrical installation should be completed by an electrician before the VersaLamp lighting system is installed.

VersaLamp LED Light Tubes Patent Number: US 10,299351 B2..

365-G5/482-G5/483-G5/484W-G5/484UV-G5/485-G5

The VersaLamp LED lamps provides a unique dual purpose lamp for all types of environments. VersaLamp provides true white LEDs for all ambient lighting applications and RGB & ultra-violet LEDs for all types of entertainment environments. Digital lighting control makes it easy to switch environments. VersaLamp includes long life LED lamp sources, energy efficiency, simplicity of installation, and zero-maintenance operation. It is designed to replace T12 fluorescent lamps and ballasts in interior applications. It can be used in new and retro-fit applications. The VersaLamp is a line voltage lamp with an internal driver and processor. VersaLamp employs standard bi-pin based connections to the lampholders. Does NOT Include: DMX controller, DMX addresser or low voltage control cables.

Best Practices:
VersaLamp is great anywhere requiring white , RGB & ultra-violet lighting, perfect for retrofit & new lamp applications. Replaces inefficient fluorescent lamps & electronic or magnetic ballast generally used in these types of applications.

Applications:
Themed Environments, Family Entertainment Centers, Amusement Parks, Live Productions, Halloween Exhibits, Bowling Centers, Skating Facilities, Trampoline Parks, Indoor Mini-Golf, Laser Tag Areas, Night Clubs, Museums, Theatre, Retail, Trade Shows, Film & Television Productions.

All VersaLamps Have The Following Specifications:

- Lamp size: T12
- Power connections: Bi-pin base with non-shunted lampholders.
- Power requirements: Line voltage AC 100-277v 50/60Hz
- Luminaire Types: New luminaires wired for line voltage or retrofit applications with the use of the VersaLamp Retrofit Kit. For both of installation single end power connection with non-shunted lampholders are required (sold separately).
- Driver: Internal line voltage
- Usage: Suitable for dry locations.
- Output: 180 Degrees
- Approximate lamp life: 50,000 Hours
- Control & dimming: DMX
- Data Connections: Three pin XLR male (input) / female (output)
- Addressing: Individually DMX addressable & controllable.

VersaLamp 365 Specifications:

- LEDS: 48-White (W), 48-Tri-Color Red, Green, Blue (RGB) & 48-Ultra Violet (UV)
- White LEDs Color Temperature: 4000°K
- Ultra-Violet LEDs Wavelength: 405nm
- Lamp Length: 36” (908mm) Length
- Operating Modes:
  - Stand alone with white LEDs
  - RGBW&UV Color mixing with DMX control
  - Digital dimming
- Power Consumption: Maximum 25 watts @ 120v with all RGBW & UV LEDs at full.
- Shipping Weight: 3 lb.

VersaLamp 482 Specifications:

- LEDS: 112-White (W), 112-Ultra Violet (UV)
- White LEDs Color Temperature: 4000°K
- Ultra-Violet LEDs Wavelength: 405nm
- Lamp Length: 48” (1200mm) Length
- Operating Modes:
  - Stand alone with white LEDs
  - White & UV with DMX control
  - Digital dimming
- Power Consumption: Maximum 32 watts @ 120v with all White & UV LEDs at full.
- Shipping Weight: 3 lb.

VersaLamp 483 Specifications:

- LEDS: 56-Tri-Color Red, Green, Blue (RGB)
- Lamp Length: 48” (1200mm) Length
- Operating Modes:
  - Stand alone with white LEDs
  - RGB Color mixing with DMX control
  - Digital dimming
- Power Consumption: Maximum 17 watts @ 120v with all RGB LEDs at full.
- Shipping Weight: 3 lb.

VersaLamp 484UV Specifications:

- LEDS: 56-Tri-Color Red, Green, Blue (RGB) & 56-Ultra Violet (UV)
- Ultra-Violet LEDs Wavelength: 405nm
- Lamp Length: 48” (1200mm) Length
- Operating Modes:
  - Stand alone with RGB LEDs at full intensity
  - RGB & UV Color mixing with DMX control
  - Digital dimming
- Power Consumption: Maximum 22.5 watts @ 120v with all RGBW & UV LEDs at full.
- Shipping Weight: 3 lb.

VersaLamp 484W Specifications:

- LEDS: 56-White (W), 56-Tri-Color Red, Green, Blue (RGB)
- White LEDs Color Temperature: 4000°K
- Lamp Length: 48” (1200mm) Length
- Operating Modes:
  - Stand alone with white LEDs
  - RGBW Color mixing with DMX control
  - Digital dimming
- Power Consumption: Maximum 24 watts @ 120v with all RGBW LEDs at full.
- Shipping Weight: 3 lb.

VersaLamp 485 Specifications:

- LEDS: 56-White (W), 56-Tri-Color Red, Green, Blue (RGB) & 56-Ultra Violet (UV)
- White LEDs Color Temperature: 4000°K
- Ultra-Violet LEDs Wavelength: 405nm
- Lamp Length: 48” (1200mm) Length
- Operating Modes:
  - Stand alone with white LEDs
  - RGBW&UV Color mixing with DMX control
  - Digital dimming
- Power Consumption: Maximum 25.5 watts @ 120v with all RGBW & UV LEDs at full.
- Shipping Weight: 3 lb.

DFX 465 Taunton Avenue, Suite 108, West Berlin, NJ 08091
800-555-5280 www.dfxsoundvision.com

VersaLamp

MODEL #'s:
365-G5/482-G5/483-G5/484W-G5/484UV-G5/485-G5

Linear Series | T12 Class
3 ft & 4 ft. Bypass Ballast LED Tube

Questions?

For customer service please call us at 1-800-555-5280
Office Hours: 8:30 a.m. – 5:30 p.m. EST Monday-Friday

LED
T12 Tube
Bypass Ballast

PLEASE READ THE INSTRUCTIONS AND WARNINGS LISTED BELOW PRIOR TO PROPER INSTALLATION

WARNINGS!

- Risk of fire or electrical shock. LED retrofit kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
- This retrofit kit is accepted as a component of a luminaire where the suitability of the combination shall be determined by authorities having jurisdiction.
- Risk of fire or electrical shock. Install this kit only in luminaires that have the construction features and dimensions shown in drawings and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.
- Risk of fire or electrical shock. Luminaire wiring and electrical parts may be damaged when drilling for installation of LED retrofit kit. Check for enclosed wiring and components.
- Risk of electric shock – Install this kit only in a four lamp recessed (type non-IC) luminaire.
- Risk of electric shock – Install this kit only in a six lamp high bay (type non-IC) luminaire.
- The high voltage power input of the VersaLamp LED lamps are labeled with "A" on the end cap between the bi-pin lampholders. DMX control cables will be on the opposite end of the lamp power input.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- Only those open holes indicated in the photographs and/or drawings may be made or altered as a result of kit installation. Do not leave any other open holes in an enclosure of wiring or electrical components.
- Do not use luminaires and lamps with voltage dimmers.
- Disconnect power before installing retrofit kit, repairing, performing maintenance and replacing lamp.
- Examine all parts that are not intended to be replaced by the retrofit kit for damage and replace any damaged parts prior to installation of the retro fit kit.
- New & retrofit luminaires are to accept 120-277 VAC 50/60 HZ LED lamps, single end power source lamps ONLY. All lamps sockets must be non-shunted version. These are included in this VersaLamp retrofit kit. Do not use any other type of lamp with this luminaire.
- The VersaLamp LED lamps are intended to replace fluorescent T12 tube lamps with an ANSI designation 40W/48T12.

CAUTIONS

- The final installation of this fixture shall comply with all local and national electrical codes.
- Do not look directly at the operating lamp.
- Do not touch this product with wet hands.
- Do not disassemble, repair or alter lamp.
- Designed for indoor applications only.
- Suitable for dry locations.
- Do not use where exposed to weather.
- The luminaires should be grounded.
- Avoid contact with lamp pins during installation.
- This device is not intended for use with emergency exits or emergency lights.
- For lighting control; only use a DMX controller.
- If lamp or luminaire exhibits abnormal operation (buzzing, flickering, minimal light, etc.), turn off power, remove lamp and contact DFX.

Contents Of Retrofit Kit (Part Number VERSARETROFIT6-G5)**:**

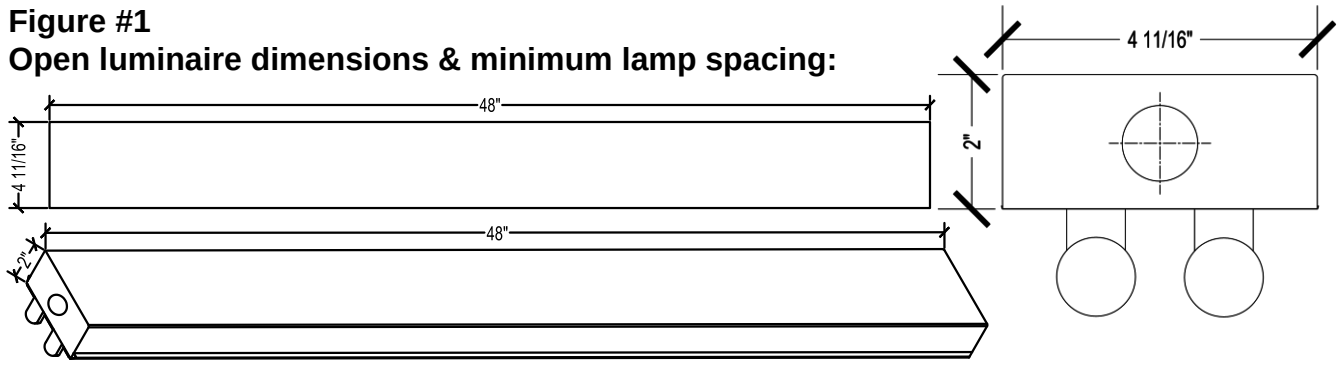
Description	Quantity	
• Wire Tie With Screw Mount (White, Nylon)	3	
• Mounting Screws For Wire Tie (#8 x ½" Self Drilling)	9	
• Strain Relief (Black, Snap-In, Ratcheting, P/N RSR-1109)	2	
• Yellow Wire Nut (Min. 1 #18 w/1 to #14 Max. 2)	3	
• Red Wire Nut (Min. 1 #18 w/1 To #12 Max. 4)	3	
• Non-Shunted Lampholder With Wire Connections (Lampholders: White, 660W-600V) (Wire White – Neutral: (14 AWG, THHN-THWN, 12" length) (Wire Black – Live (14 AWG, THHN-THWN, 12" length)	6 each	
• Non-Shunted Lampholder (White, 660W-600V)	6	
• Lamp Support Clip (White, For T12 Lamps)	6	

VersaLamp Retrofit Kit Installation Instructions

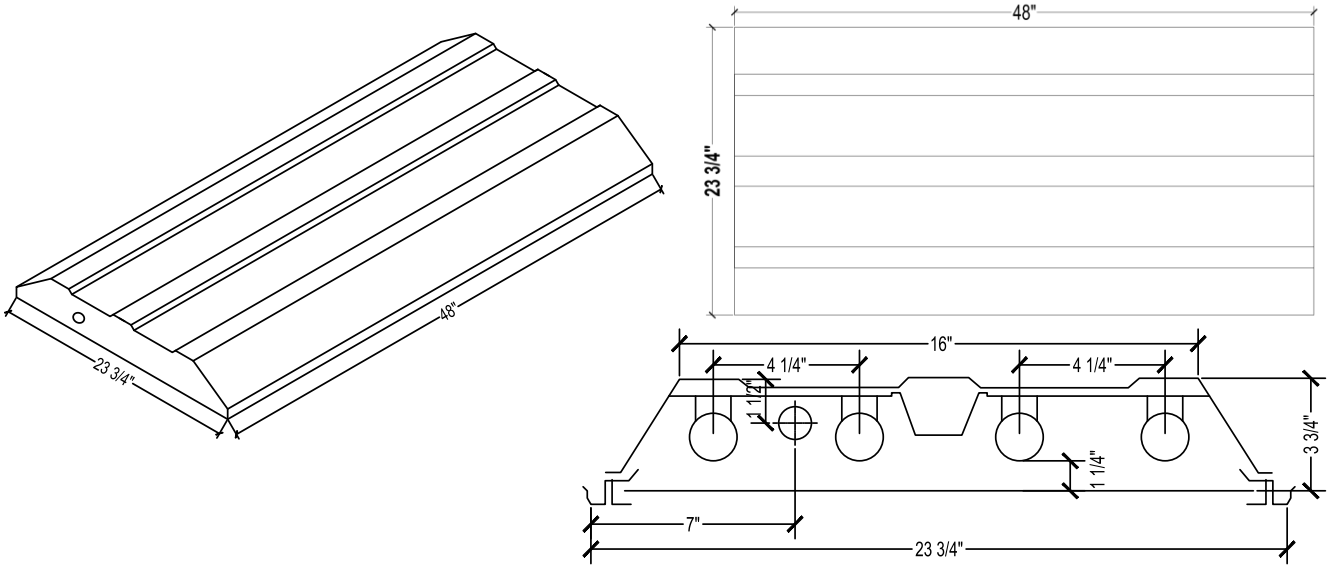
Kit Part Number: VERSARETROFIT-G5

1. Turn-off power before installation.
2. Remove the existing fluorescent lamp(s).
3. Check the luminaire dimensions to be sure the VersaLamp LED lamp(s) will fit in the luminaire in Figure #1. If the VersaLamp LED lamp(s) will fit the luminaire proceed to the next step. If not, DO NOT continue with the installation.
4. Remove the luminaires' ballast cover.
5. Remove the existing ballast and existing starter (if present). Figure #2 for magnetic and Figure #3 for electronic ballast.
6. Remove the existing lampholder and power leads.
7. If you are installing the VersaLamp LED Lamp into recessed or a high bay luminaires, The DMX control cables must be routed through the luminaire. If you are not using either one of these luminaire types proceed to step #8.
   a) When routing the control cables through the luminaire they must be installed on the end of the luminaire without electrical power and clear of the lamp holders. Depending on the number of lamps being installed into the luminaire more than one hole may need to be used. If there are existing knock-out(s) available on the end of the luminaire without power, the knock-out can be used but will need to be made larger by using a step drill bit to 1 1/8". If there are not any knock-out(s) available 1 1/8" hole(s) will need to be made. This hole(s) is for RSR-1109 nylon snap-in strain relief included in the retrofit kit. The strain relief is to protect, insolate and secure the control cables from chafing against sharp edges of the luminaire that can damage electrical insulation. See figure #4 for the measurements used to make the hole(s) in our recessed and high bay luminaires.
   b) Remove all sharp edges, burrs, filings and debris from the luminaire.
   c) Any additional holes through the luminaire must be closed or capped.
8. Install the new non-shunted lampholders and power leads from the VersaLamp Retrofit Kit. All power is on one end of the luminaire. Figure #5
9. The opposite end lampholders do not get wired. These are used to support the non-powered end of the LED lamp. Figure #6.
10. It may be necessary to extend the power leads to reach the electrical supply in the luminaire. Install wire nuts to all wire spices. Figure #7.
11. If necessary, re-install the electrical supply into the luminaire. A connector or adapter must be used to secure the electrical supply input cable not included with the retrofit kit.
12. Install the Ground of the electrical supply to the Ground screw of the luminaire. Figure #8
13. Connect the lampholders power leads to the electrical supply. Live (black) to live (black) and neutral (white) to neutral (white). Figure #9
14. All unused wires or wire spices must be removed or capped with wire nuts.
15. Neatly position power wires in the luminaire and re-install the cover.
16. On the luminaire, remove any pre-existing labels and replace them with the labels provided with this product. This label must be readily visible by the user during maintenance including re-lamping Figure #10.
17. Mount the lamp support clip in the center of the luminaire with a #8 self drilling screw. Figure #11.
18. To install the VersaLamp LED lamps into the luminaires; the high voltage power input is labeled with the letter "A" on the end cap between the bi-pin lamp holders. The DMX control cables will be on the opposite end of the lamp. Install the lamp by matching up the bi-pin connectors of the lamp with the "A" on the appropriate end cap to the power side of the luminaire lampholder(s) and the non-powered end to the non-powered lampholders on the other end of the luminaire. Then twist the lamp in place until the lamp is securely in the lampholders. Figure #12.
19. If the luminaire uses more than one VersaLamp; install the next VersaLamp lamp into the luminaire by following the previous steps.
20. Upon completion, proceed to page 18 for information about DMX control cable installation.

Figure #1
Open luminaire dimensions & minimum lamp spacing:



Recessed luminaire dimensions & minimum lamp spacing:



High bay luminaire dimensions & minimum lamp spacing:

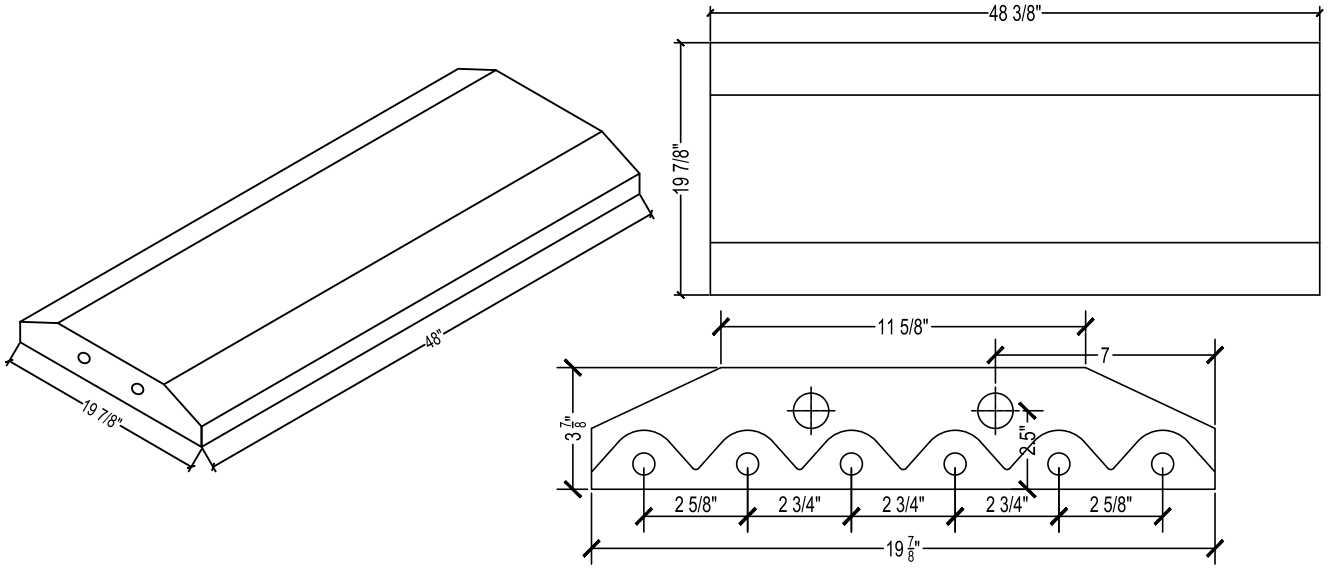
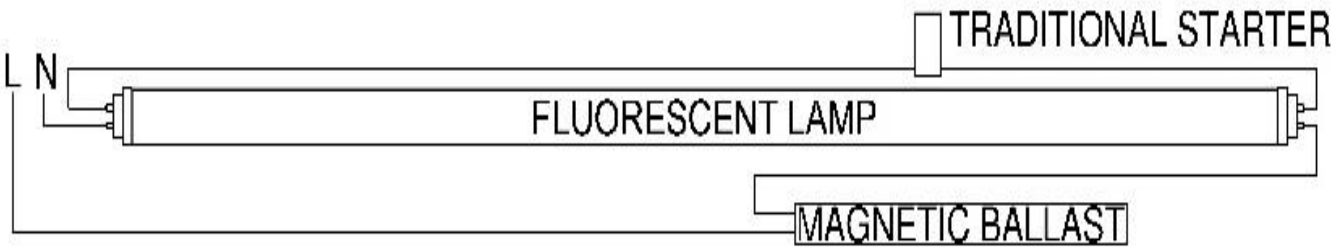
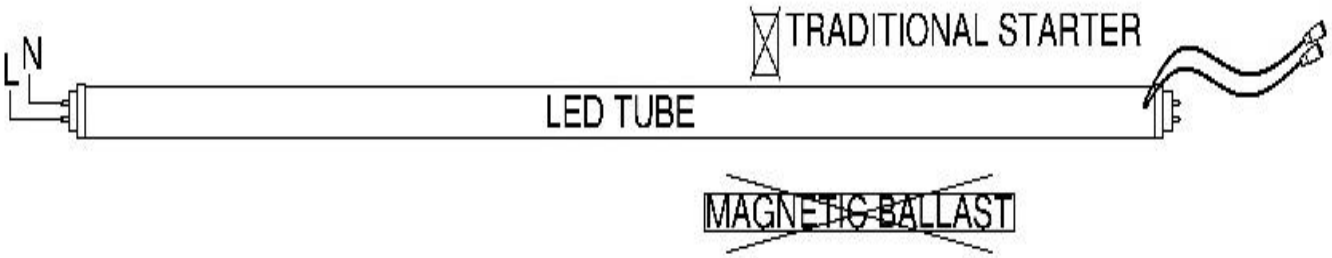


Figure #2: Luminaires With Magnetic Ballast:

Step 1



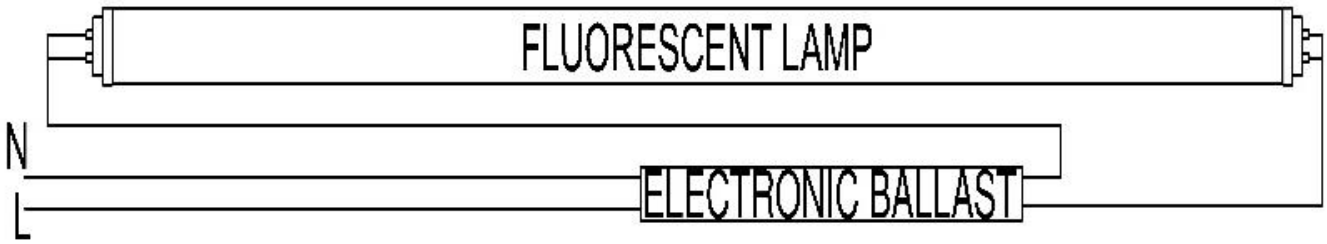
Step 2



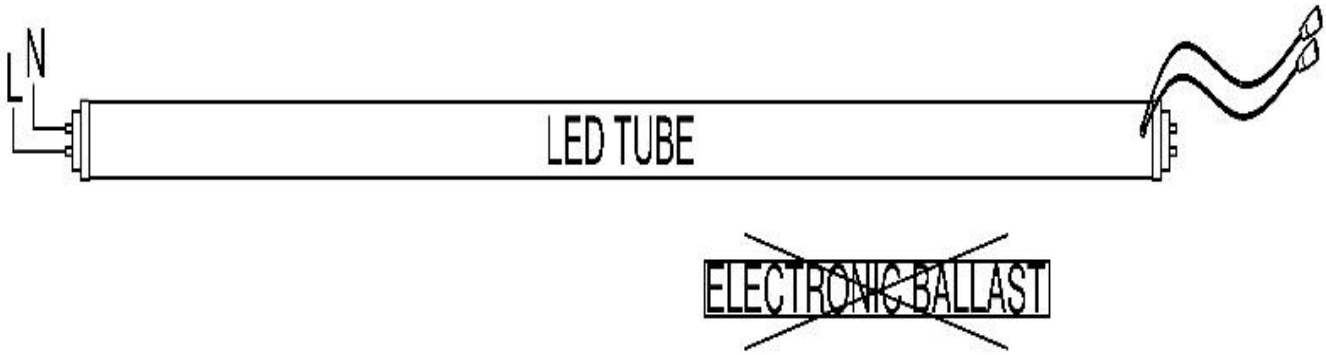
Continue to Figure #4

Figure #3: Luminaires With Electronic Ballast:

Step 1



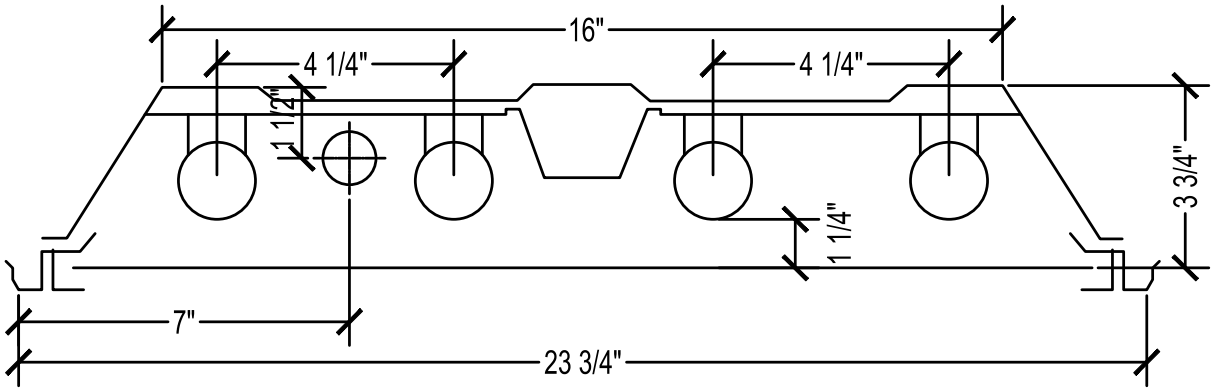
Step 2



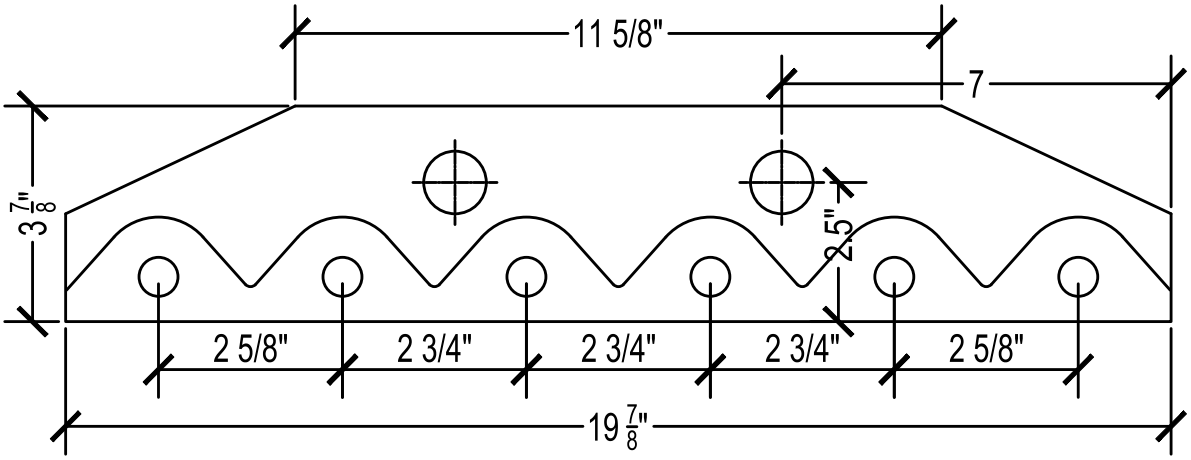
Continue to Figure #3

Figure #4 Installation of DMX Control Cable Hole(s)

Recessed Luminaire



High Bay Luminaire



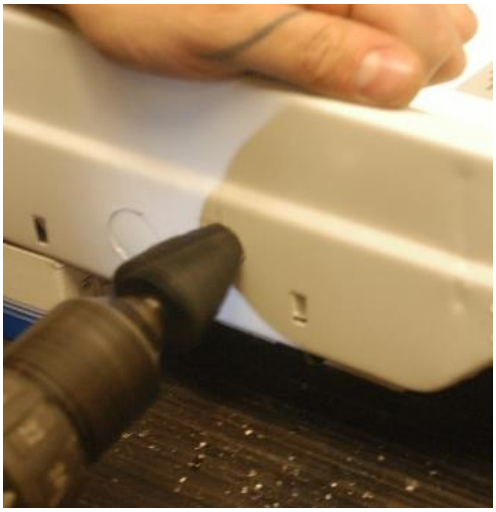
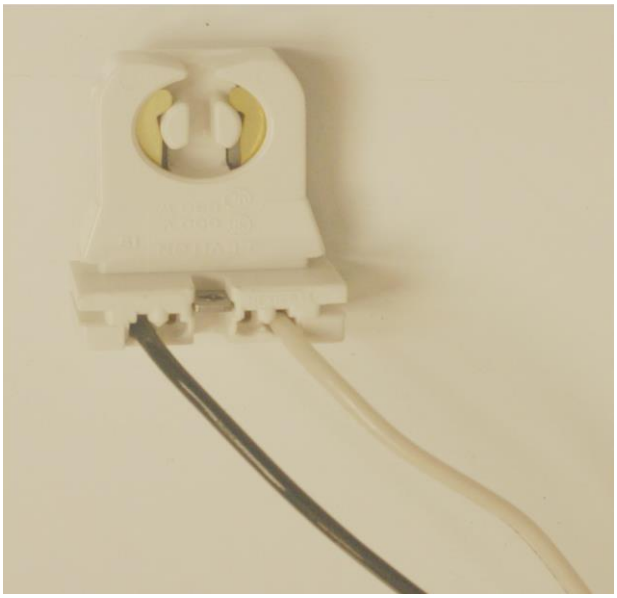


Figure #5 Installation of non-shunted lampholders with power leads



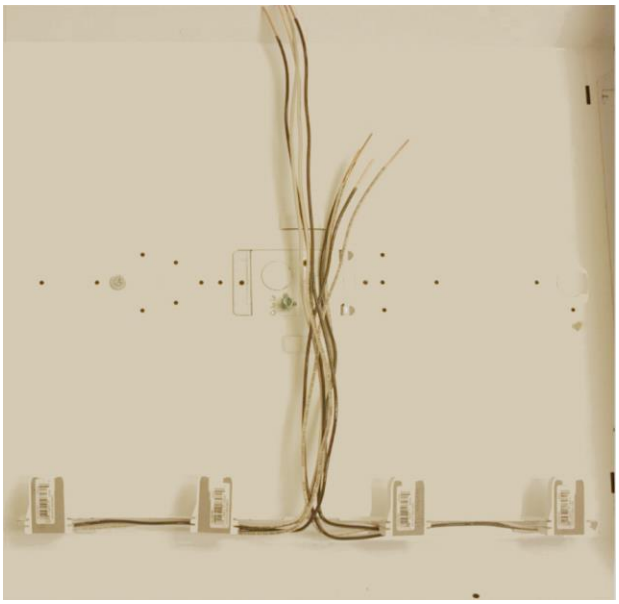


Figure #6 Installation of non-shunted lampholders without leads

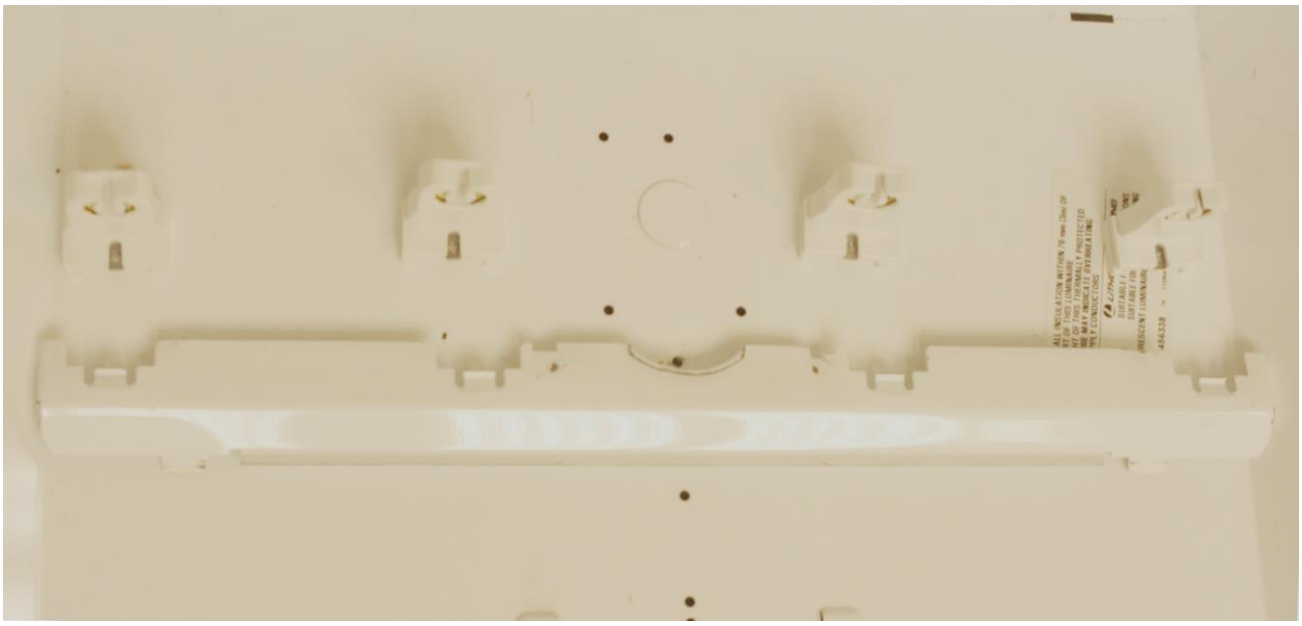
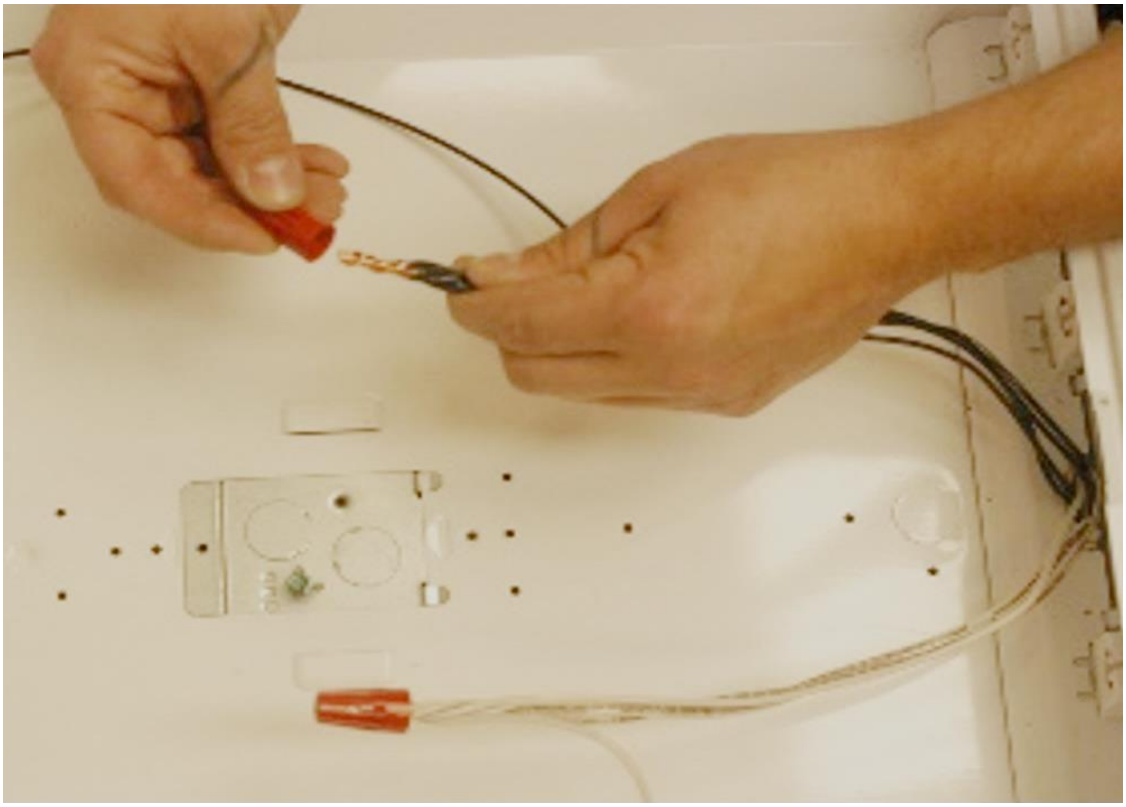


Figure #7 Extend power leads (if necessary)



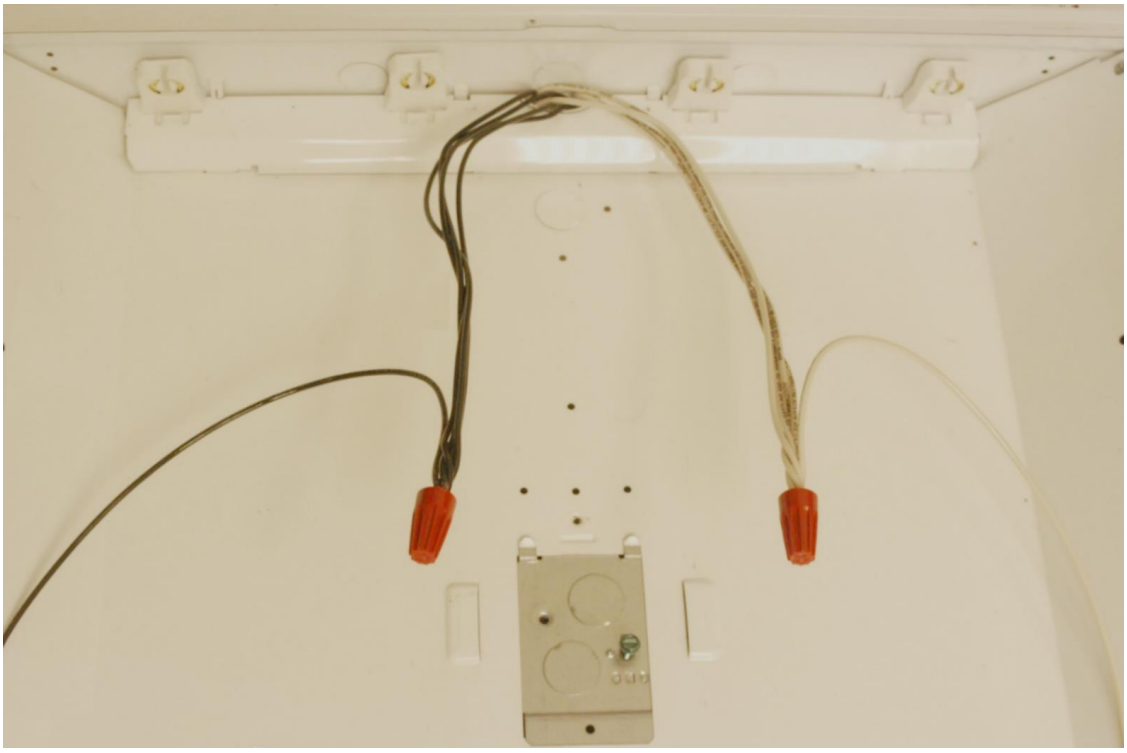


Figure #8 Install Ground

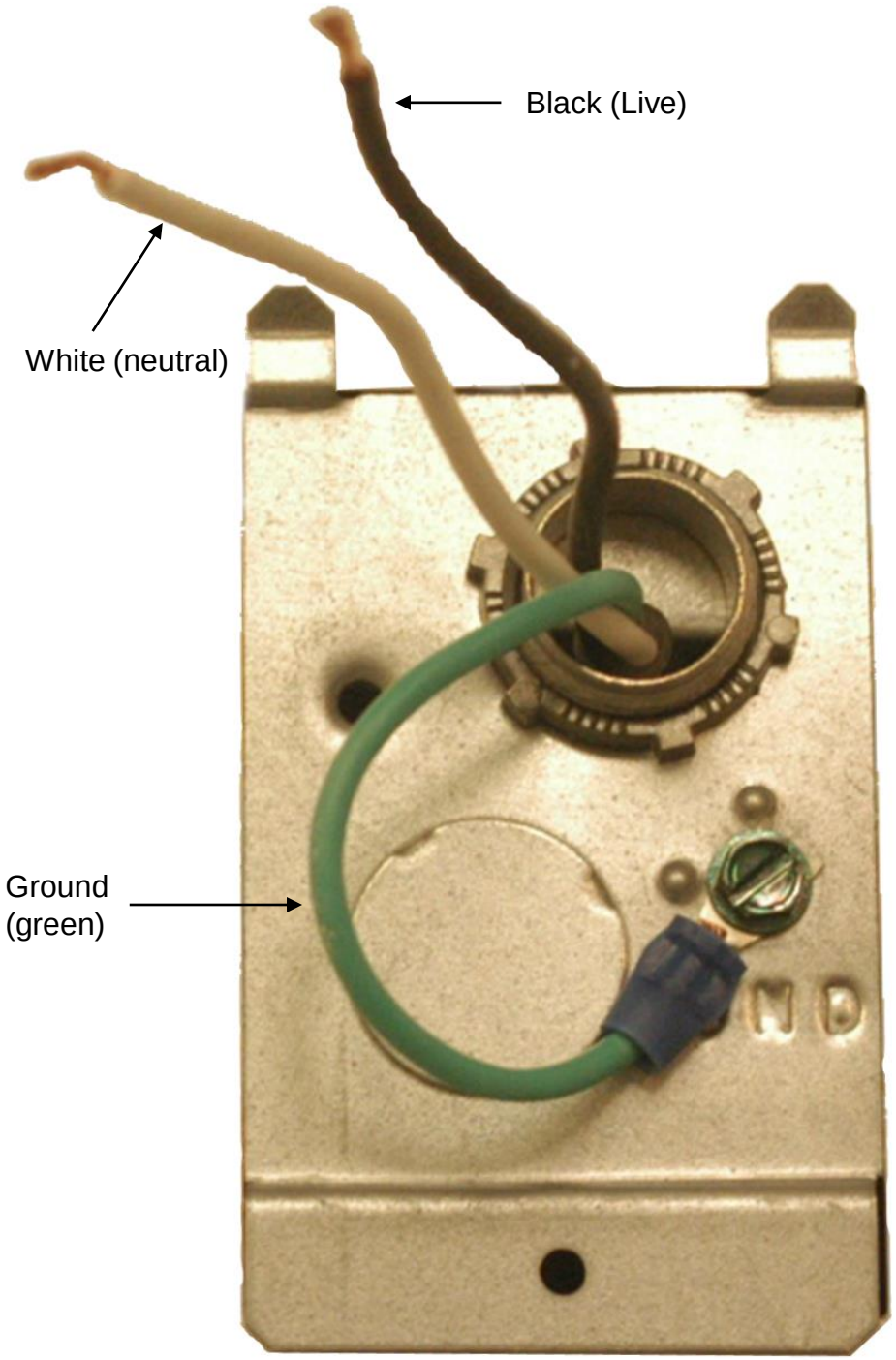


Figure #9 Connect lampholders to electrical supply

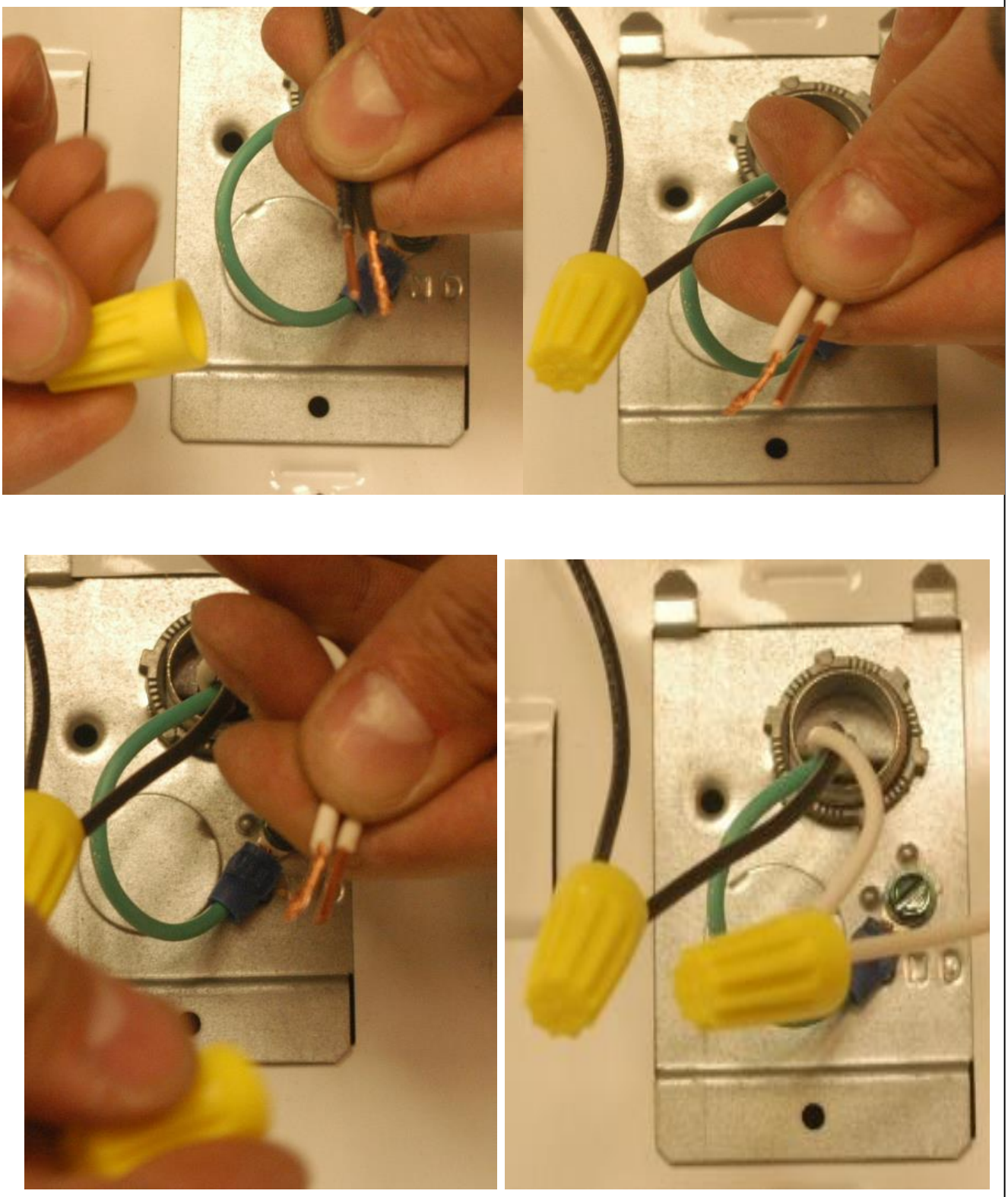


Figure #10 Install Labels

WARNING!

THIS LUMINAIRE HAS BEEN MODIFIED TO OPERATE LED LAMPS. DO NOT ATTEMPT TO INSTALL OR OPERATE FLUORESCENT LAMPS IN THIS LUMINAIRE.

Remove any pre-existing labels and replace them with the labels provided with this product. This label must be readily visible by the user during maintenance including relamping.

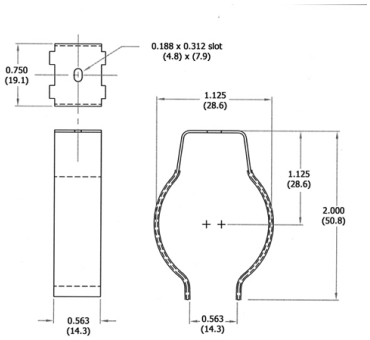
Replace lamps with:
DFX VersaLamp 400 Series -G5 LED lamps or similar.
Replacement lamps must have single end power input.

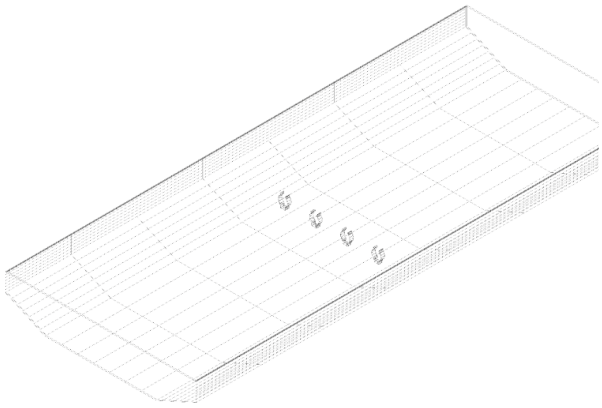
Order at : www.dfxsoundvision.com , 800-555-5280

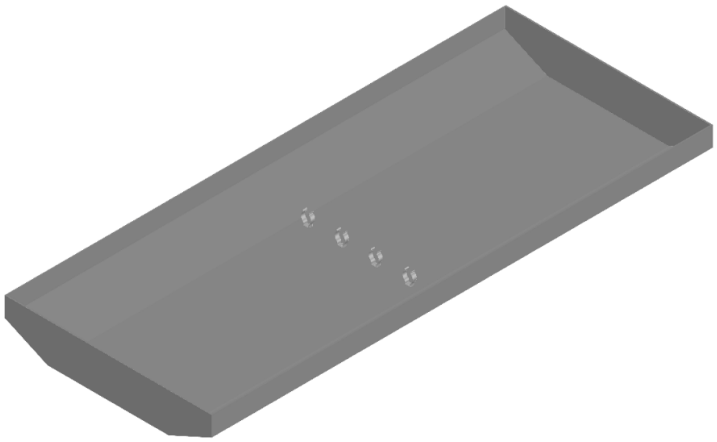
Remove any pre-existing labels and replace them with the labels provided with this product. This label must be readily visible by the user during maintenance including relamping.

Figure #11 Install Lamp Support Clip(s)

Each lamp is to include one lamp support clip. The lamp support clip is to be installed at the center of each lamp and centered between the lampholders. See the below drawing for an example mounting point (your mounting point may vary depending on the fixture used). Use the #8 x 1/2" screw included with the retrofit kit.







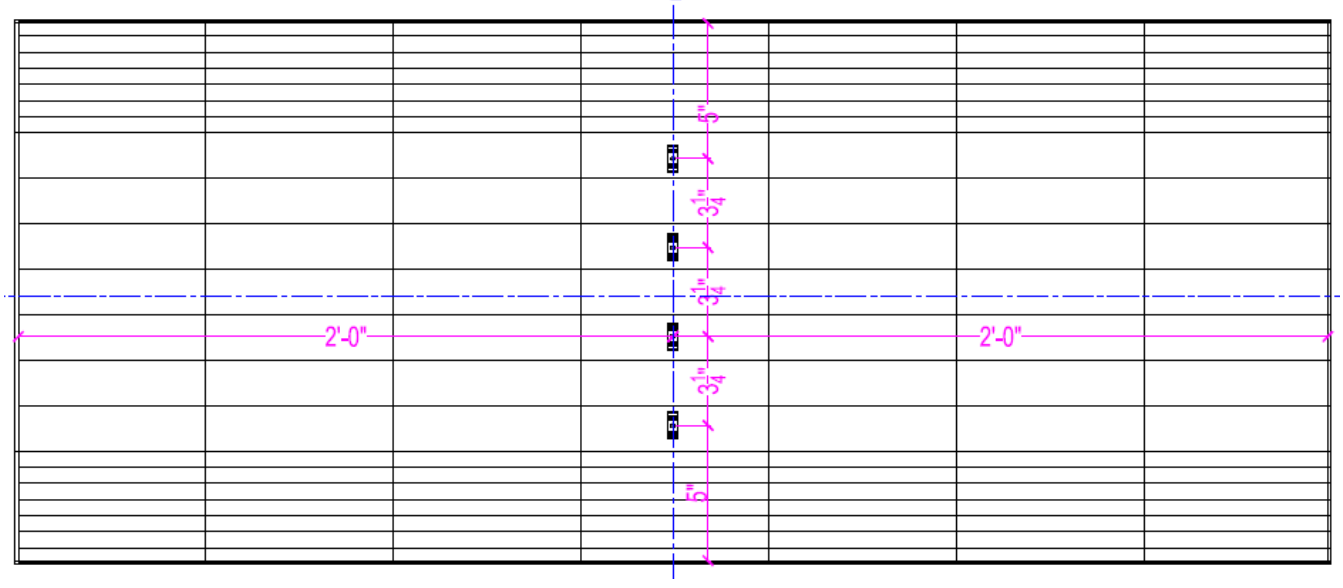
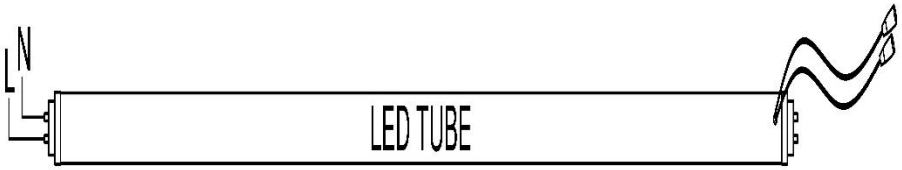
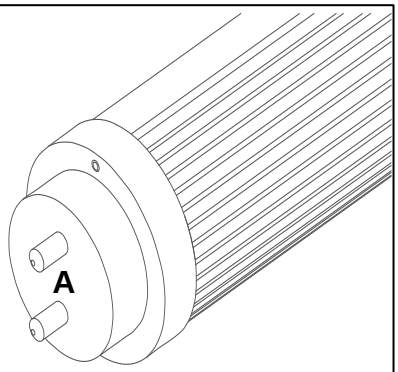


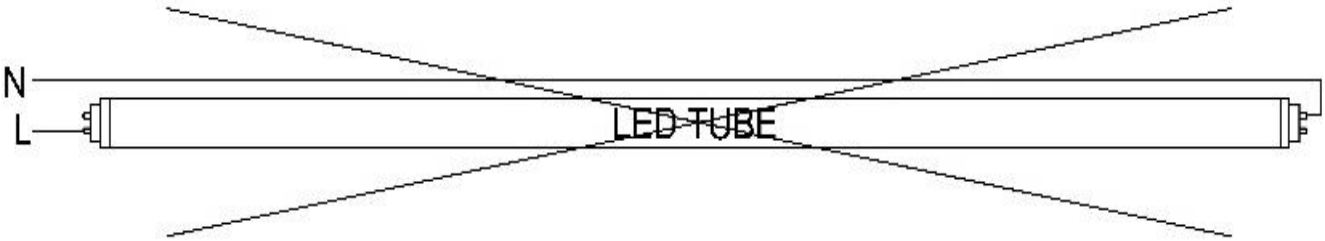
Figure #12
VersaLamp LED lamps with single ended power installation only with line voltage non-shunted lamp sockets. (Professional installation is recommended)





Use end cap labeled "A" for high voltage power input of single sided power luminaires

WARNING!
Double ended installation is not recommended!
Due to potential risk of fire or electric shock!



VersaLamp DMX Control Installation Instructions

Installation Overview:

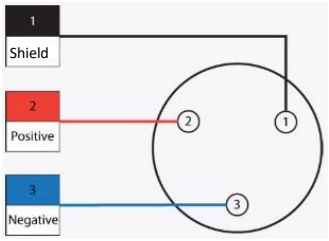
The VersaLamp 482, 483, 484 & 485 lamps are DMX controlled. The DMX control provides the capacities to operate all of the LEDs (RGBW & UV), dimming and effects. Each lamp is DMX addressable. The DMX address is set by using the VersaLamp DMX Addresser (sold separately). Unless your system was shipped as a pre-configured design; the lamps will need to be set with a DMX address. The address is determined by the way your lighting system is designed and your control will be mapped. Only using a maximum of twenty-four (24) lamps per DMX universe.

We recommend, that all lamps and luminaires to be installed in the same direction or orientation. All DMX low voltage input and output cables should be on the same end of the luminaire. If the lamps are not installed in this fashion; the lighting effects and patterns may not produce the desired effect. It may be necessary to edit your map in your DMX control software.

DMX Control Cable Connectors

Male & female 3-Pin XLR connectors are to be wired as follows:

Pin #1 - Shield
Pin #2 - Positive (White Or Red Cable)
Pin #3 - Negative (Black Cable)



DMX End Terminator

The last lamp output cable of each DMX universe must have an end terminator installed to absorb signal reflections. The end terminator is a male 3-pin XLR connector with a 120 ohm, 0.25 watt resistor between pins two and three of the connector. Use one for each DMX universe used.

DMX Control Cable

- For permanent installations use BSR E1.27-2 or similar cable rated for RS-485 devices.
- 24 AWG, 2 conductor, shielded, data grade, low capacitance cable.
- Suitable control cable length is up to 300 meters/1000 feet.

Connecting The Control Cables

Each VersaLamp includes a DMX input (male XLR connector) and an DMX output (female XLR connector).

1. Connect the DMX data output from the DMX controller to the closest VersaLamp's male 3-pin XLR DMX input connector in a daisy-chain configuration.
2. Connect the DMX output of the lamp to the DMX input of the next lamp and continue connecting lamps output to input.
3. Terminate the last lamp on the link with a DMX terminator.

Warning!

A maximum of twenty-four (24) VersaLamp lamps can be used per DMX universe.

DMX Addressing

Each VersaLamp uses standard DMX512 addressing. Here are each version of DMX channels:

- 485-G5 RGBW&UV 50 DMX channels.
- 484W-G5 RGBW 40 DMX channels.
- 484UV-G5 RGBUV 40 DMX channels
- 483-G5 RGB 22 DMX channels
- 482-G5 W/UV 2 DMX channels

DMX address tables for each type of VersaLamp are following the VersaLamp DMX Addresser operating instructions.

VersaLamp DMX control cable installation instructions for retrofit applications with open channel luminaires with one or more lamps.

Routing DMX low voltage cables:

Warning!

- Do not make or alter any open holes in an enclosure of wiring or electrical components during installation.

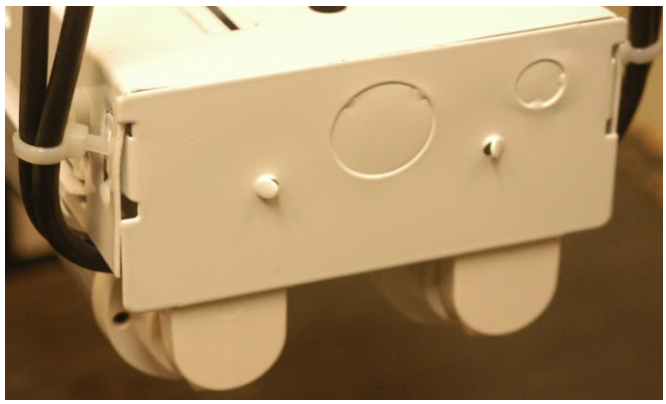
Caution!

We recommend that the control cables to be dressed and secured above the luminaire and away from the lamp(s).

1. The DMX control cables must be routed and secured. If the luminaire is to be used with one lamp; secure the control cables to the side of the luminaire with the nylon cable tie(s) include with the retrofit kit. Figure #13
2. If more then one lamp is to be used, pull the DMX control cables around each side of the luminaire and secure the control cables to the sides of the luminaire with the nylon cable tie(s) include with the retrofit kit. Figure #14
    a. The male XLR DMX connector is the DMX signal input cable and will be connected to the DMX controller or to the previous luminaire in-line with the joining female DMX connector depending on your desired lighting design.
    b. The female XLR DMX connector is the DMX signal output and would be connected to the next lamp or luminaire in-line with the joining male DMX connector or with a DMX end terminator if it is the last luminaire in-line depending on your desired lighting design.
    c. It may be necessary to have additional DMX extension cables between the luminaires (sold separately)

Figure #13 DMX Cable Path

Figure #14 Cable Path With Dual Lamps



VersaLamp DMX control cable installation instructions for retrofit & new applications with open channel luminaires with one or more lamps.

Installing DMX low voltage cables continued:

6. If there is more than one lamp, above the luminaire connect the female XLR DMX connector of the first lamp to the male XLR DMX connector of the second lamp. Figure # 15
7. When the last lamp is installed into the luminaire, the remaining female XLR DMX connector is the DMX signal output and will be connected to the next luminaire in-line with the male DMX connector or to a DMX end terminator if it is the last luminaire in-line depending on your desired lighting design. Figure #16
8. Follow the above steps for the rest of the luminaires and lamps to be installed.
9. Once all of the lamps have been installed; power on the luminaires. When the lamps are energized their default color is all white only when the DMX signal is not present. When the DMX signal is present the lamp(s) will playback the program the DMX light controller is providing. If the lighting system is energized and the DMX controller is on but not outputting a program the lamp(s) will not output any light. A program will need to be applied.
10. Go to page 25 and DMX address all of the lamps according to your desired control map using the VersaLamp DMX Addresser.
11. When all of the lamps have been addressed and all control cables have been connected and secured; connect the DMX controller to the luminaires.
12. Test and program the lighting control system.

Figure #15 Multiple DMX Cable Connections

Figure #16 DMX End Terminator

VersaLamp DMX control cable installation instructions for retrofit & new applications with recessed luminaires with up to six lamps.

Caution!
All control cables must be secured through and above the luminaire and away from the lamp(s).

1. The DMX control cables must be routed and secured through the luminaire. Pull the DMX control cables through the luminaire. It may be necessary to remove the XLR DMX connector(s) to be able to route the DMX cables through the opening.
2. Install RSR-1109 strain relief on to cables. Figure #17.
3. Snap strain relief into luminaire opening(s). Figure #18
4. Insert ratching strap into the strain relief and secure cables. Figure # 19

Caution!

- The male XLR DMX connector is the DMX signal input cable and will be connected to the DMX controller or to the previous luminaire in-line with the joining female DMX connector depending on your desired lighting design.
- The female XLR DMX connector is the DMX signal output and would be connected to the next lamp or luminaire in-line with the joining male DMX connector or with a DMX end terminator if it is the last luminaire in-line depending on your desired lighting design.
- It may be necessary to have additional DMX extension cables between the luminaires (sold separately).

Figure #17 Cable Strain Relief

Figure #18 Snap-In Strain Relief

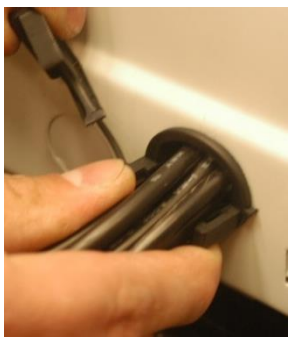


Figure #19 Install Ratching Strap

VersaLamp DMX control cable installation instructions for retrofit & new applications with recessed luminaires with up to six lamps.

Installing lamps and routing DMX low voltage cables continued:

5. Outside the luminaire, connect the female XLR DMX connector of the first lamp to the male XLR DMX connector of the second lamp, then the second to the third, the third to the fourth, fourth to the fifth, fifth to the sixth. Secure the control cables with provided tie-wraps and mounting screw(s). Figure #20
6. When the last lamp is installed into the luminaire, the remaining female XLR DMX connector is the DMX signal output and will be connected to the next luminaire in-line with the male DMX connector or to a DMX end terminator if it is the last luminaire in-line depending on your desired lighting design. Figure #21
7. Follow the above steps for the rest of the luminaires and lamps to be installed.
8. Once all of the lamps have been installed; power on the luminaires. When the lamps are energized their default color is all white only when the DMX signal is not present. When the DMX signal is present the lamp(s) will playback the program the DMX light controller is providing. If the lighting system is energized and the DMX controller is on but not outputting a program the lamp(s) will not output any light. A program will need to be applied.
9. Go to page 25 and DMX address all of the lamps according to your desired control map using the VersaLamp DMX Addresser.
10. When all of the lamps have been addressed and all control cables have been connected and secured; connect the DMX controller to the luminaires.
11. Test and program the lighting control system.

Figure #20 DMX Cable Secure & Connection

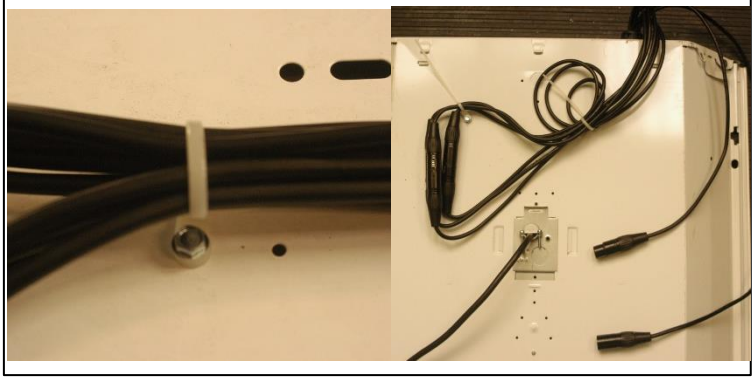
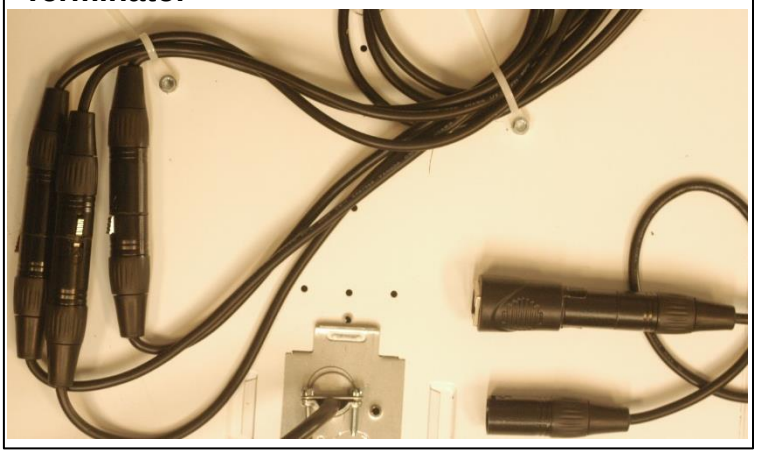


Figure #21 DMX Connections & End Terminator



VersaLamp DMX control cable installation instructions for retrofit & new applications with high bay luminaires With up to six lamps.

Caution!
All control cables must be secured through and above the luminaire and away from the lamp(s).

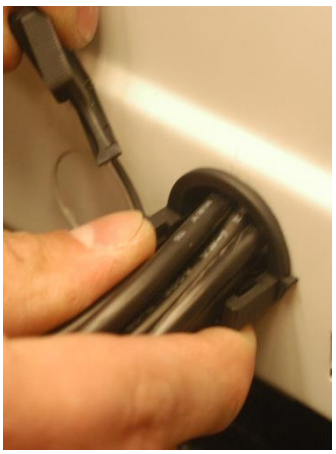
1. The DMX control cables must be routed and secured through the luminaire. Pull the DMX control cables through the luminaire. It may be necessary to remove the XLR DMX connector(s) to be able to route the DMX cables through the opening.
2. Install RSR-1109 strain relief on to cables. Figure #22.
3. Snap strain relief into luminaire opening(s). Figure #23
4. Insert ratching strap into the strain relief and secure cables. Figure #24

Caution!
- The male XLR DMX connector is the DMX signal input cable and will be connected to the DMX controller or to the previous luminaire in-line with the joining female DMX connector depending on your desired lighting design.
- The female XLR DMX connector is the DMX signal output and would be connected to the next lamp or luminaire in-line with the joining male DMX connector or with a DMX end terminator if it is the last luminaire in-line depending on your desired lighting design.
- It may be necessary to have additional DMX extension cables between the luminaires (sold separately).

Figure #22 DMX Cable Path

Figure #23 Cable Strain Relief

Figure #24 Snap-In Strain Relief



VersaLamp DMX control cable installation instructions for retrofit & new applications with high bay luminaires with up to six lamps.

Installing lamps and routing DMX low voltage cables continued:

5. Insert ratching strap into the strain relief and secure cables. Figure # 25
6. Outside the luminaire, connect the female XLR DMX connector of the first lamp to the male XLR DMX connector of the second lamp, then the second to the third, the third to the fourth, fourth to the fifth, fifth to the sixth. Secure the control cables with provided tie-wraps and mounting screw(s). Figure #26
7. When the last lamp is installed into the luminaire, the remaining female XLR DMX connector is the DMX signal output and will be connected to the next luminaire in-line with the male DMX connector or to a DMX end terminator if it is the last luminaire in-line depending on your desired lighting design. Figure #27
8. Follow the above steps for the rest of the luminaires and lamps to be installed.
9. Once all of the lamps have been installed; power on the luminaires. When the lamps are energized their default color is all white only when the DMX signal is not present. When the DMX signal is present the lamp(s) will playback the program the DMX light controller is providing. If the lighting system is energized and the DMX controller is on but not outputting a program the lamp(s) will not output any light. A program will need to be applied.
10. Go to page 25 and DMX address all of the lamps according to your desired control map using the VersaLamp DMX Addresser.
11. When all of the lamps have been addressed and all control cables have been connected and secured; connect the DMX controller to the luminaires.
12. Test and program the lighting control system.

Figure #25 Install Ratching Strap

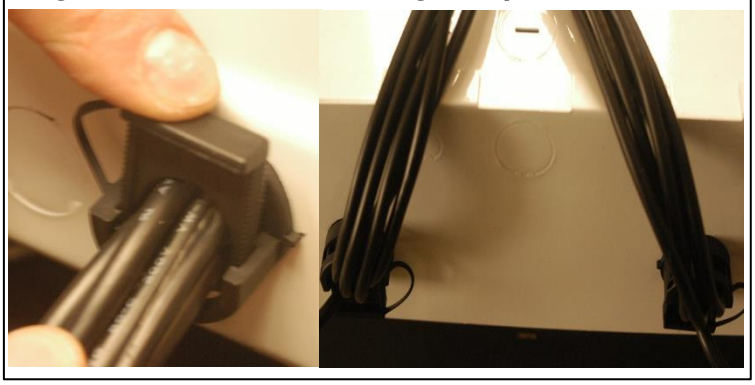


Figure #26 DMX Cable Secure & Connection

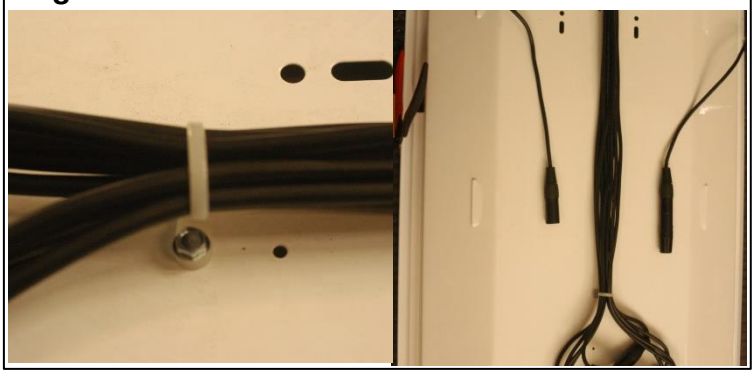


Figure #27 DMX Connections & End Terminator

How To Use The VersaLamp DMX Addresser

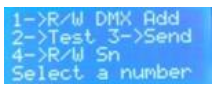
The VersaLamp DMX Addresser is used to input the DMX address into the VersaLamp LED Lamps. The address of the LED lamps needs to be set to to match a design or map of your DMX Controller.

WARNING!!!!
Only address one lamp at a time unless you would like more than one to be addressed to the same address. If the lamp is connected to other lamps the addresser will address all of them at the same time to the same address.

How to write an address to a VersaLamp LED Lamp:

1. The lamp must be powered on to be addressed.
2. Connect the DMX leader cable with the RJ45 connector into the DMX Addresser.
3. Connect the power supply (12v, 0.5A) into the DMX Addresser.
4. Plug the power supply into a suitable electrical outlet (100-240v 50/60Hz).
5. Connect the female 3-Pin XLR connector of the addresser into the male 3-Pin XLR connector of the lamp.
6. Turn on the DMX Addresser.
7. Looking at the display of the DMX Addresser; it should display the welcome screen.

8. Press any key.
9. Press the #1 key.



10. Then enter the three digit DMX address for the lamp. Three digits must be input, for example: 051. Please refer to the DMX Address Table for more information.

11. When the last digit is input the curser will be flashing at the first digit.

12. Then press the W key. This will send and write the address to the lamp. The lamp will briefly flash a few colors as the address loads.
13. Once the luminaire stops flashing colors the address has been loaded. The DMX Addresser will display: Write Successful.

14. Disconnect the DMX Addressers' XLR connector from the lamp.
15. Connect the lamp DMX cables to the DMX controller or to other lamps already connected to the DMX controller.
16. Test the lamp with a active or running light program.

How to read the DMX address of a VersaLamp LED Lamp.

1. Disconnect the all DMX cables from the lamp.
2. The lamp must be powered on to read the addressed.
3. Follow instructions 1-10 to set-up the DMX Addresser above.
4. Press the R/+ key.

4. This will read the address of the lamp and display it in the display of the DMX Addresser.

5. If the address is correct then re-connect the lamp to the DMX controller and test again. If the address is not correct than follow the steps above to write the correct address to the lamp.

DMX Address Table For VersaLamp LED Lamps

VersaLamp 485-G5

Number Of Lamps	DMX Start Address
1	1
2	41
3	81
4	121
5	161
6	201
7	241
8	281
9	321
10	361
11	401
12	441
13	481

VersaLamp 484-G5

Number Of Lamps	DMX Start Address
1	1
2	31
3	61
4	91
5	121
6	151
7	181
8	211
9	241
10	271
11	301
12	331
Continue To	512

VersaLamp 483-G5

Number Of Lamps	DMX Start Address
1	1
2	22
3	44
4	66
5	88
6	110
7	132
8	154
9	176
10	198
Continue To	512

VersaLamp 482-G5

Number Of Lamps	DMX Start Address
1	1
2	3
3	5
4	7
5	9
6	11
7	13
8	15
9	17
10	19
Continue To	512