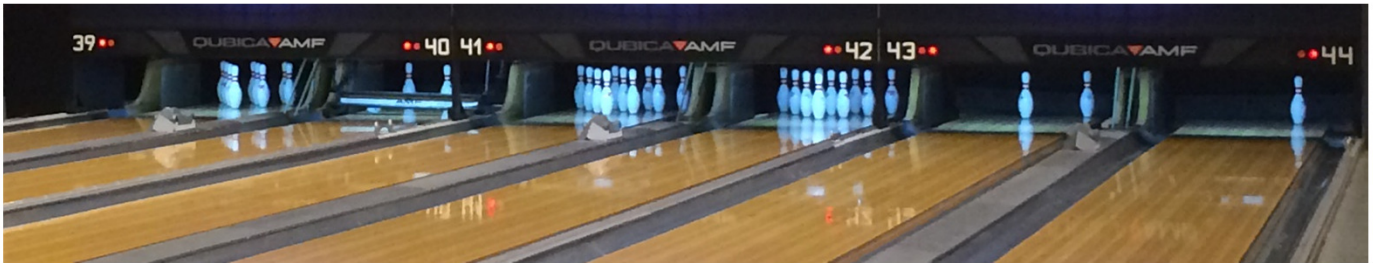




LED Pin Deck Manual



- VersaLamp 485
- VersaLamp 484 W/UV
- VersaLamp 365
- VersaLamp 364 W/UV

LED Pin Lighting System

USER MANUAL

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All VersLamp LED Light Tubes are Patent Pending.



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Manual Version: C

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Safety information



WARNING! Read the safety precautions in this manual before installing, operating or servicing this product.

The following symbols are used to identify important safety information on the product and in this manual:



Warning!
Safety hazard. Risk of severe injury or death.



Warning!
Powerful light emission. Risk of eye injury.



Warning!
See user manual for important safety information.



Warning!
Hazardous voltage. Risk of lethal or severe electric shock.



Warning!
Hot surfaces and fire hazard.



Warning! Do not view the light output with optical instruments or any device that may concentrate the beam. This lighting fixture is for professional use only and must be installed by a qualified technician. It is not for household use. It presents risks of severe injury or death due to fire hazards, electric shock.



Install, operate and service LED Light Tube by DFX products only as directed in their user manual, or you may create a safety hazard or cause damage that is not covered by product warranties.

Follow the safety precautions listed below and observe all warnings in this manual and printed on the product. Keep this user manual for future use.

For the latest user documentation and other information for this and all DFX products, please visit the DFX website at <http://www.dfxsoundvision.com>. If you have any questions about how to install, operate or service the fixture safely, please contact DFX at 800-555-5280. Respect all locally applicable laws, codes and regulations when installing, operating or servicing the fixture.



Protection from electric shock

- Do not expose the fixture to rain or moisture.
- Disconnect the fixture from AC power before carrying out any installation or maintenance work.
- Ensure that the fixture is seated correctly in light fixture.
- Use only a source of AC power that complies with local building and electrical codes and has both overload and ground-fault (earth-fault) protection.
- Before installing or servicing the fixture be sure the pinsetter/pinspotter is off.
- Isolate the fixture from power immediately if the cover, cable, or other component is damaged, defective, deformed, wet or showing signs of overheating.
- Do not reapply power until repairs have been completed.
- Before using the fixture, check that all power distribution equipment and cables are in perfect condition and rated for the current requirements of all connected devices.
- Make sure all cables are clear and secure from any moving parts of the pinsetter.



Protection from burns and fire

- Do not operate the fixture if the ambient temperature (T_a) exceeds 40° C (104° F).



Protection from eye injury

- Do not stare directly into the product's light output.
- Do not look at the light output with magnifiers, telescopes, binoculars or similar optical instruments that may concentrate the light output.
- Ensure that persons are not looking directly into the front of the fixture when the product lights up suddenly. This can happen when power is applied, when the product receives a DMX signal, or when certain control menu items are selected.



Protection from injury

- Fasten the fixture securely to a fixed surface or structure when in use. The fixture is not portable when installed.
- Allow enough clearance around the fixture to ensure that it cannot collide with an object or pinsetter/pinspotter sweep or any moving parts. This includes all power and control cables.
- Check that all external fixture covers and rigging hardware are securely fastened.

- Do not operate the system with missing or damaged equipment cables.
- Do not lift or carry the LED light fixtures by their DMX cables.
- In the event of an operating problem, stop using the fixture/system immediately and disconnect it from power.
- Never attempt to use a fixture or systems that are obviously damaged.
- Do not modify the fixtures or system in any way not described in this manual or install other than genuine LED Light Pin Lights by DFX parts.
- Refer any service operation not described in this manual to a qualified technician.

Introduction

The VersaLamp LED Pin Deck Lighting System is a high output LED lighting system that provides effects lighting for bowling pinsetters/pinspotters. The system uses LED light tubes with R(red), G(green), B(blue) and/or W(white) and/or UV(ultra-violet) LEDs with DMX control. See Figures A through D.

The LED light tubes are line voltage 100-240 volt 50/60Hz fixtures. Each LED Light Tube self-adjusts to correct electric voltage that is being used.

Do NOT connect the LED Light Tube to a ballast!

This will damage the LED Light Tube and will no longer function. This is also not covered by the warranty.

Each LED Light Tube is addressed with a DMX address. The address of each LED Light Tube is located on the end cap of the tube (example: ADDR 151). The DMX address is important because the DMX programming is done with the LED Light Tubes installed in the correct order. If the tubes are not installed in the correct order the programming will not function correctly. Each LED Light Tube can be re-addressed with the DMX Address unit.

Each LED Light Tube has a test pattern that is displayed when the DMX Controller is not connected or powered on.

Here is a list of the test patterns for each LED Light Tube:

VersaLamp 485 – All white LEDs on.

VersaLamp 484W- All white LEDs on.

VersaLamp 484UV – All ultra-violet LEDs on.

VersaLamp 365 - All white LEDs on.

VersaLamp 364W – All white LEDs on.

VersaLamp 364UV – All ultra-violet LEDs on.

The key pad DMX control unit is programmed with ten light shows (See Figure E & E.1). The LED Light Tubes. Custom programming can be done through the PC control software.

The system includes: LED Light Tubes, pre-programmed DMX Controller, DMX control cables, Light Tube Addresser and in larger systems a DMX Opto Isolator (Figure L).

Before using the product for the first time

1. Read “Safety information” before installing, operating or servicing the fixture.
2. **Read at a minimum the “First Lane Installation” instructions before installing.**
3. Unpack and ensure that there is no transportation damage before using the fixture. Never attempt to operate a damaged fixture.
4. Before operating, ensure that the voltage and frequency of the local power source match the power requirements of the fixture.
5. Check the LED Pin Deck Lighting System support pages on the DFX website at www.dfxsoundvison.com for the most recent user documentation and technical information about the system.



Physical installation

Warning! Read “Safety information” before installing the system.

- The fixture is designed for indoor use only and must be used in a dry location with adequate ventilation.
- Do not stand LED Light Tubes on a surface or leave it where it can be moved or fall over.
- **Some scoring systems may not be able to properly score when the light show is operating. Test the system on one lane first. This includes testing that the scoring system can properly score when the light shows are on and running. If the scoring system does not properly score do not install the rest of the LED light Tubes until the first lane is working properly. This may require adjusting the scoring system to operate in lower light levels. Contact the scoring system manufacturers with all scoring systems questions. DFX technical support can only provide support for the LED Pin Deck Lighting System.**

STEP #1!!!!

First Lane Installation

- 1. Test the light system on one lane first before installing all of the LED Light Tubes.** Some scoring systems may not be able to properly score when the light show is operating. This includes testing that the scoring system can properly score when the light shows are on and running. If the scoring system does not properly score do not install the rest of the LED Light Tubes until the first lane is working properly. This may require adjusting the scoring system to operate in lower light levels. Contact the scoring system manufacturers with all scoring systems questions. DFX technical support can only provide support for the LED Pin Deck Lighting System.
2. On the back of the DMX Controller connect the power supply and the DMX output cable. See Figure E.1.
3. Shut down the electrical power and lock-out the first bowling pinsetter/pinspotter the lighting system is to be installed on. Generally, the fixtures are to be installed left to right.
4. Be sure the LED Light Tube are all installed with the same orientation or DMX cables on the same side of the pin deck fixture.
5. Identify the type of existing pin deck light fixture in your pinsetter/pinspotter. See Figures H through K.
6. Follow the applicable directions to by-pass the ballast of the fluorescent light fixture you will be replacing and wire the lamp sockets (tombstones) direct to the line-voltage. See Figures W.1 through W.6.
7. Place included warning label on light fixture so the next technician to work on the light fixture is aware that the ballast has been by-passed.
8. Press playback button #4 for VersaLamp 485 & 365 systems and play back button # 3 for VersaLamp 484 & 364 systems on the DMX controller. This will play a fast color change on the LED light tube. See Figure E.
9. With the light tube on and working, optimize the focus of the light tube.
10. With all of the cables and the controller secured and out of the way of the pinsetter/pinspotter moving parts, bowl several frames to thoroughly test the scoring system.
11. If the scoring systems operates and scores correctly, press playback #1 of the controller. This is a white or ultra-violet light output depending on the fixture type used.
12. Again, bowl several frames and thoroughly test the scoring system.
13. If the scoring system operates correctly then continue with the installation of additional lanes. If not, then troubleshoot the issue with the Troubleshooting section of this manual.

Installation of the System

1. Remove power from the first pinsetter/pinspotter and lock-out the machine.
2. Disconnect the controller from the light tube and remove all cables used to test the first light tube.
3. If your installation is more than ten lanes for VersaLamp 485 & 365 systems a DMX Opto Isolator is to be installed. If your installation is more than twelve lanes for VersaLamp 484 & 364 systems a DMX Opto Isolator is to be installed. This is to be installed in the middle of the lanes on the back side of the curtain wall. See Figure L.
4. Permanently install the controller at the desired control position. Generally, it is installed at the control desk or equipment rack.
5. Install the main DMX control cable from controller to the DMX Opto Isolator for larger installations (more than ten lanes) or to the first LED Light Tube fixture for smaller installations (ten lanes or less).
6. If a DMX Opto Isolator is used, install the DMX cable from output #1 of the splitter to the first LED Light Tube. Be sure to secure all cables so that they are not in contact with any moving parts of the pinsetter/pinspotter.
7. Then test the first lane again and bowl several frames to confirm the scoring system is scoring correctly.
8. If the scoring system is scoring correctly, shut down the electrical power and lock-out the first bowling pinsetter/pinspotter and the next pinsetter/pinspotter the lighting system is to be installed on. Generally, the fixtures are to be installed left to right.
9. Follow the directions to by-pass the ballast of the pin deck light fixture for your applicable existing fluorescent light fixture and wire the lamp sockets (tombstones) direct to the line-voltage. See Figures W.1 through W.6.
10. Place included warning label on light fixture so the next technician to work on the light fixture is aware that the ballast has been by-passed
11. Install the second LED Light Tube. Be sure the LED Light Tube is the correct address. Refer to the DMX Address Table to confirm the address. The light tube is to be focus to the center of pin #1. Depending on the fixture the lamp sockets of the light fixture may need to be adjusted to properly focus the light tube. For many light fixtures, it is possible to rotate the light tube in the lamp sockets. For spring loaded lamp sockets, it may be necessary to remove the screws from the lamp socket and drill new holes in the fixture case to be able to properly rotate the new LED Light Tube. Refer to the template page of this manual.

12. Connect the DMX cables from the first light tube to the second light tube using the 15' DMX cable and connect to the male XLR connector of the next Light Tube. Be sure all cables are secure and away from all moving parts of the pinsetter/pinspotter.
13. Then test the both lanes again and bowl several frames to confirm the scoring system is scoring correctly.
14. If the scoring system is scoring correctly, then continue installing up to ten or twelve lanes depending on the model of the LED Light Tube being installed. Or ten to twelve LED Light Tubes depending on the model being installed on the same feed from the DMX Opto Isolator. Please refer to the low voltage wire diagram for the size of your installation. If the scoring system is not scoring correctly or the LED Light Tubes are not working properly please refer to the Troubleshooting section of this manual.
15. Once the LED Light Tube fixture limit is reached, it is time to install the next DMX cable from the DMX Opto Isolator output #2 to the next set of LED Light Tubes.
16. Then continue installing and testing the LED Light Tubes and scoring system as you go. Be sure all cables are secure and away from all moving parts of the pinsetter/pinspotter.
17. Be sure to follow the included DMX wiring diagram. See Figure W.7.
18. Upon completion of the installation, thoroughly test the system. If there are any issues please refer to the Troubleshooting section of this manual.

Figure E

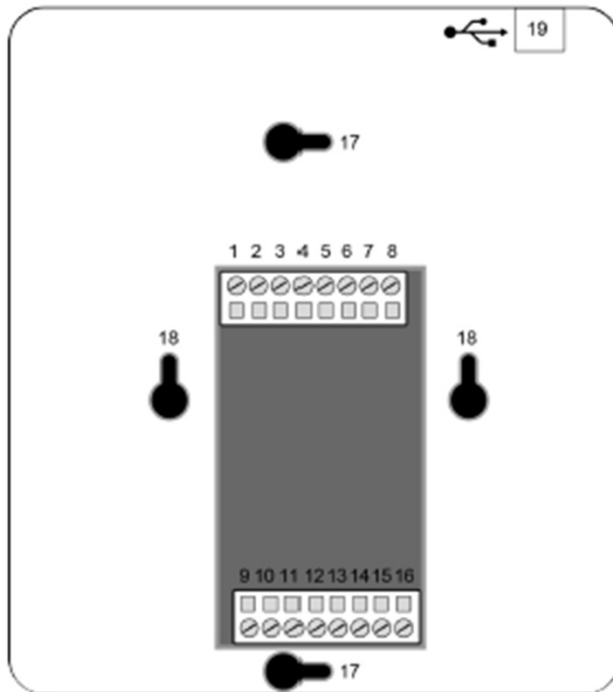
DMX Controller



DO NOT USE THE INTENSITY & SPEED BUTTONS!!!!

THESE WILL CAUSE THE LED LAMPS TO BE OVERDRIVEN AND DECREASE LAMP LIFE!!!!!!!!!!

Figure E.1 DMX Controller



External connectors:

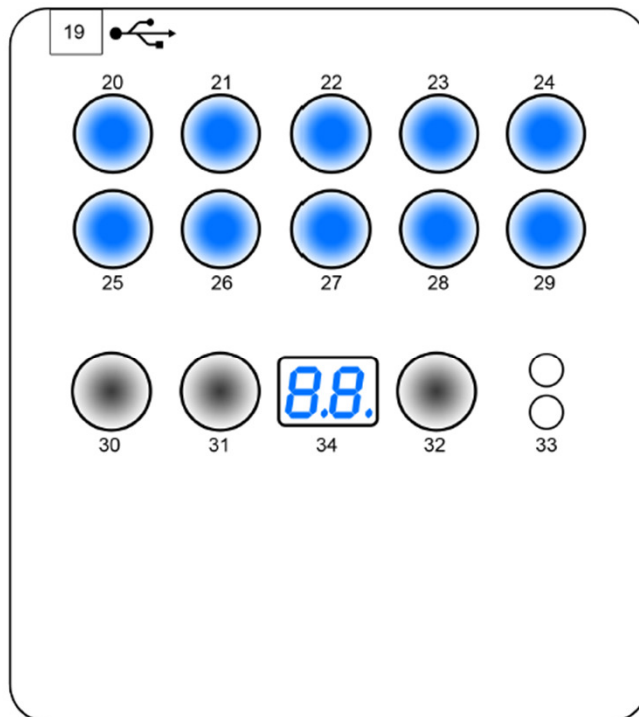
- 1: GND
- 2: 5V. DC External trigger voltage
- 3: External trigger A
- 4: External trigger B
- 5: External trigger C
- 6: External trigger D
- 7: Master/Slave Clock
- 8: Master/Slave Data
- 9: External input power 9-36 V (mandatory)
- 10: GND
- 11: Infra Red signal
- 12: DMX2 - data
- 13: DMX2 + data
- 14: DMX1 - data
- 15: DMX1 + data
- 16: DMX ground

External wall mounting:

- 17: America standards
- 18: Europe + Asia standards

PC connection:

- 19: USB connector (PC) 5V. DC



Scene triggering buttons:

- 20: Scene 1 On/Off
- 21: Scene 2 On/Off
- 22: Scene 3 On/Off
- 23: Scene 4 On/Off
- 24: Scene 5 On/Off
- 25: Scene 6 On/Off
- 26: Scene 7 On/Off
- 27: Scene 8 On/Off
- 28: Scene 9 On/Off
- 29: Scene 10 On/Off

Command buttons:

- 30: Mode selection (trigger, speed, dimmer)
- 31: - decrease values
- 32: + increase values

Display and LED:

- 33: Current mode LED

Figure F: Identify existing pin deck fixture

4 Types:

a) Dual lamp 4'

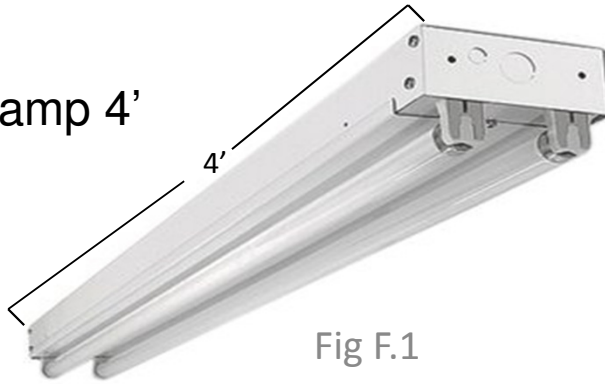


Fig F.1

b) Single lamp 4'



Fig F.2

c) Dual lamp 3'



Fig F.3

d) Single lamp 3'

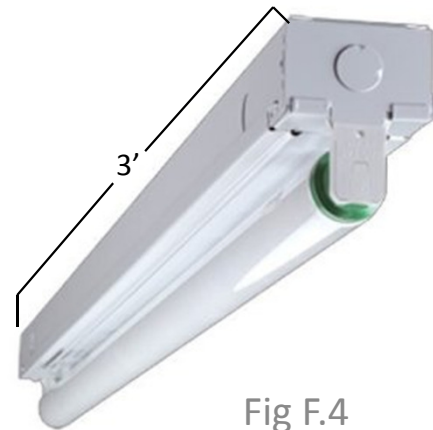


Fig F.4

NOTE: MACHINE POWER SHUTDOWN DURING ENTIRE INSTALLATION.

⚠ WARNING: DAMAGE/VOID WARRANTY DO NOT PLUG INTO EXISTING FIXTURE WITH BALLAST BYPASS

Figure G

Ballast Example

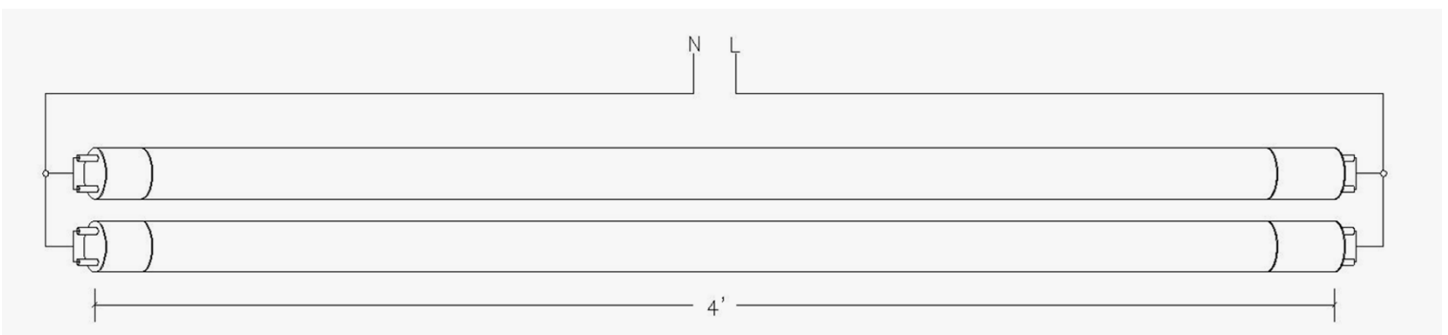


Figure H: Wiring

Dual 4' Lamp

Rewiring existing fixture to accommodate LED tube fixture.

1. LED tube fixture is to replace the UV/Blacklight tube not existing fluorescent white tube
2. Ballast must be bypassed allowing 110-240AC to the existing fixture ends (tombstones) (see illustration W.5)



NOTE: MACHINE POWER SHUTDOWN DURING ENTIRE INSTALLATION.

⚠ WARNING: DAMAGE/VOID WARRANTY DO NOT PLUG INTO EXISTING FIXTURE WITH BALLAST BYPASS

Figure I: Wiring

Single 4' Lamp

Rewiring existing fixture to accommodate LED tube fixture.

1. LED tube fixture is to replace the existing fluorescent white tube
2. Ballast must be bypassed allowing 110-240AC to the existing fixture ends (tombstones) (see illustration W.5)

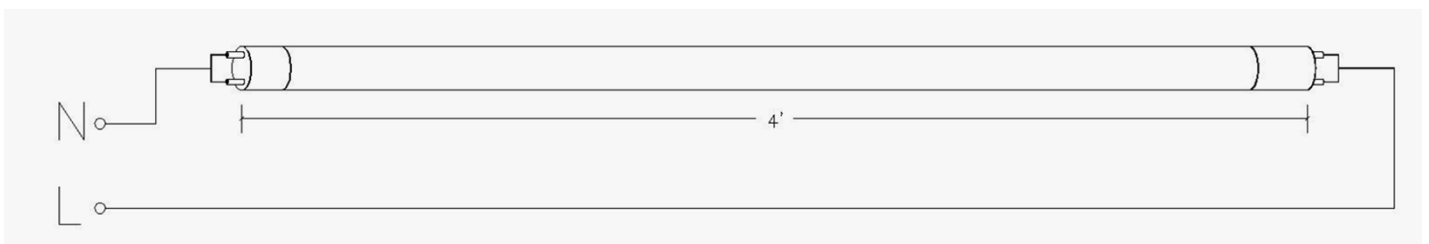


Figure J: Wiring

Dual 3' Lamp

Rewiring existing fixture to accommodate LED tube fixture.

1. LED tube fixture is to replace the UV/Blacklight tube not existing fluorescent white tube
2. Ballast must be bypassed allowing 110-240AC to the existing fixture ends (tombstones) (see illustration W.5)

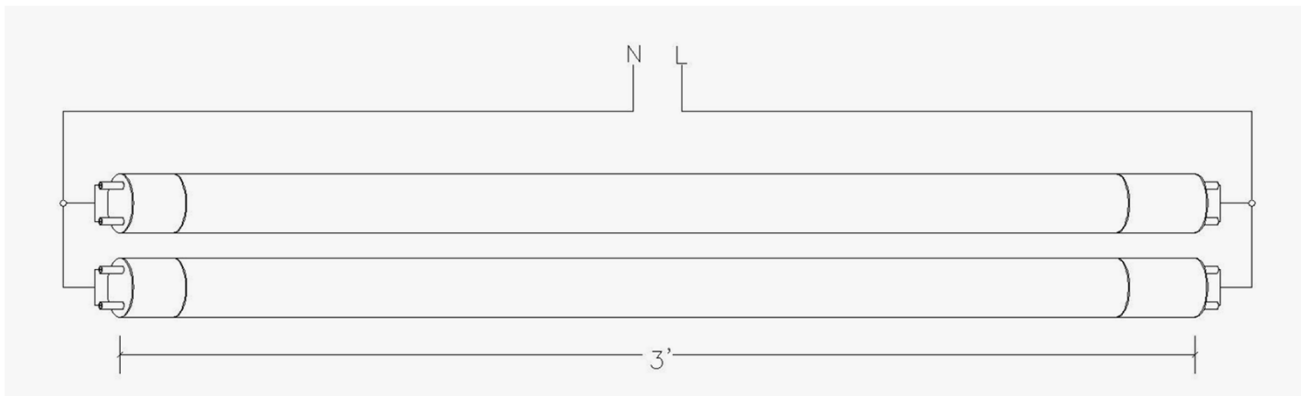


Figure K: Wiring

Single 3' Lamp

Rewiring existing fixture to accommodate LED tube fixture.

1. LED tube fixture is to replace the existing fluorescent white tube.
2. Ballast must be bypassed allowing 110-240AC to the existing lamp sockets (tombstones) (see illustration W.5).

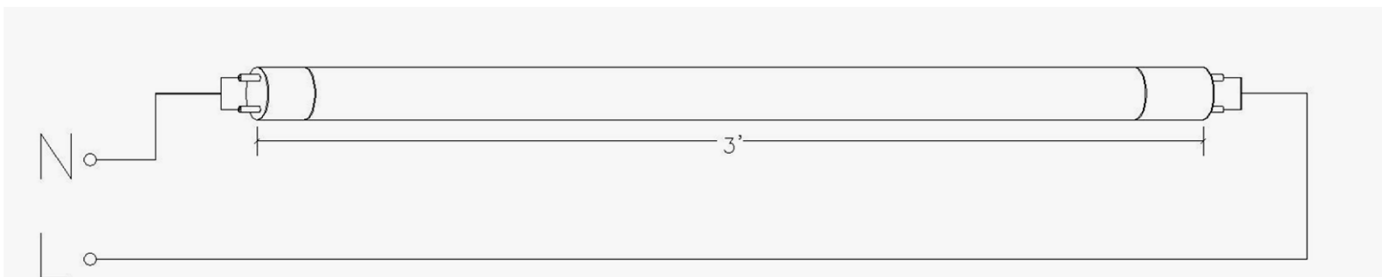


Figure W.1 & W.2

Single LED Light Tube Wiring

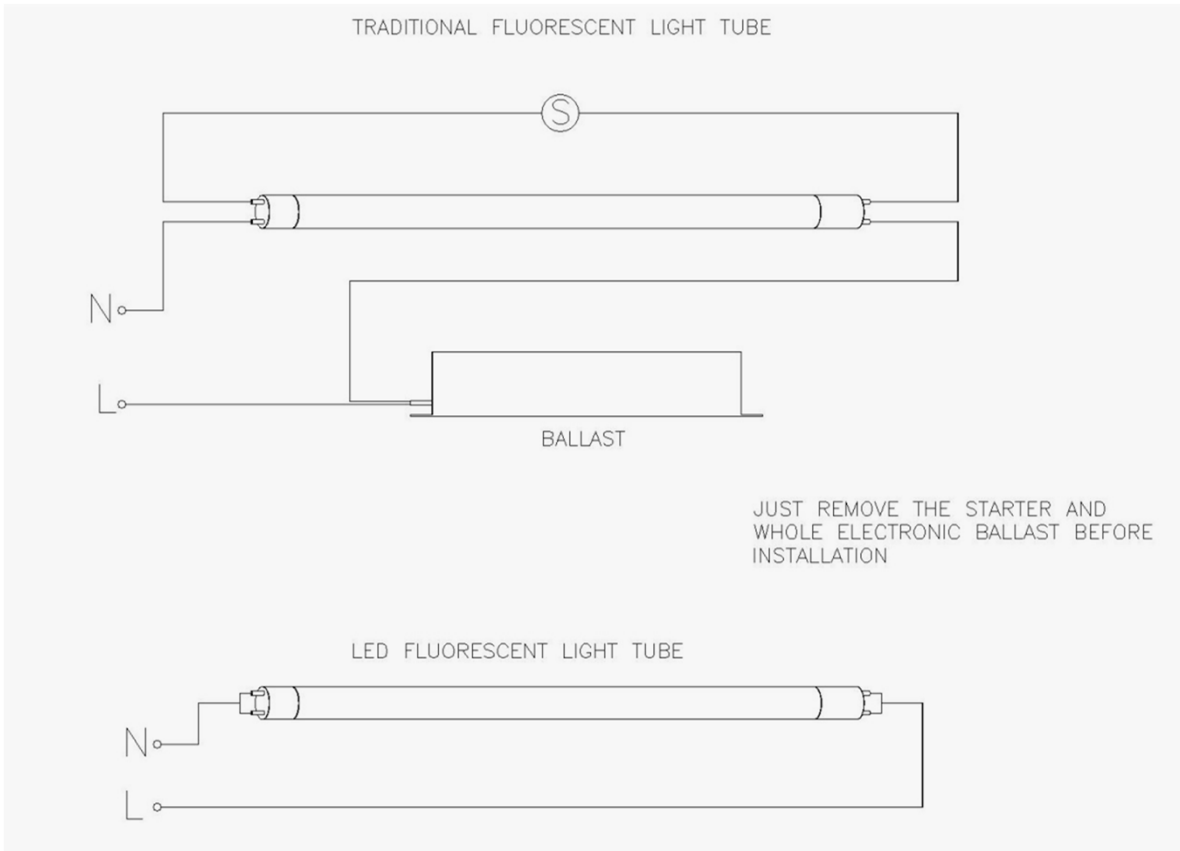


Fig W.1

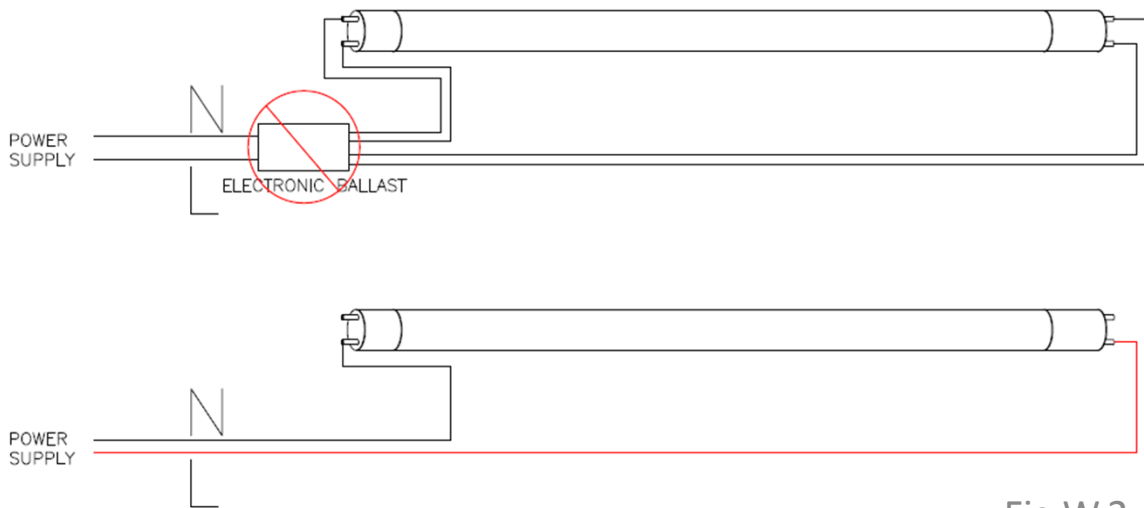


Fig W.2

Figure W.3 & W.4

Single Lamp Wiring Example

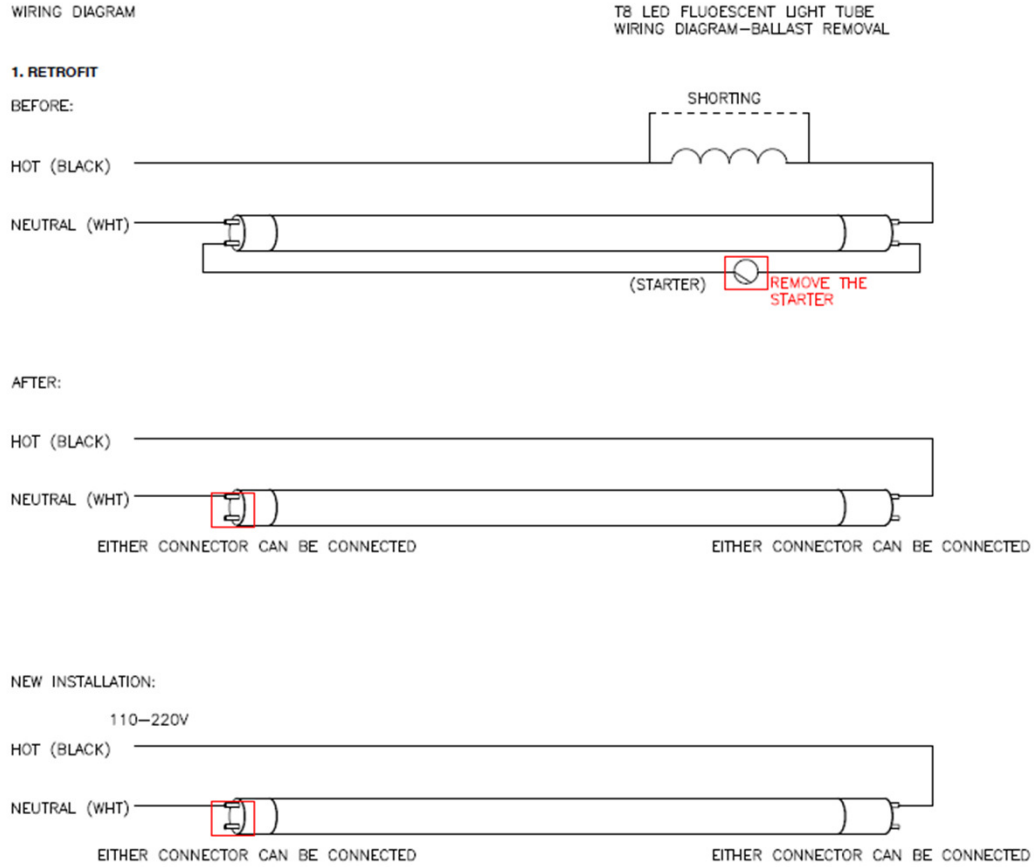


Fig W.3

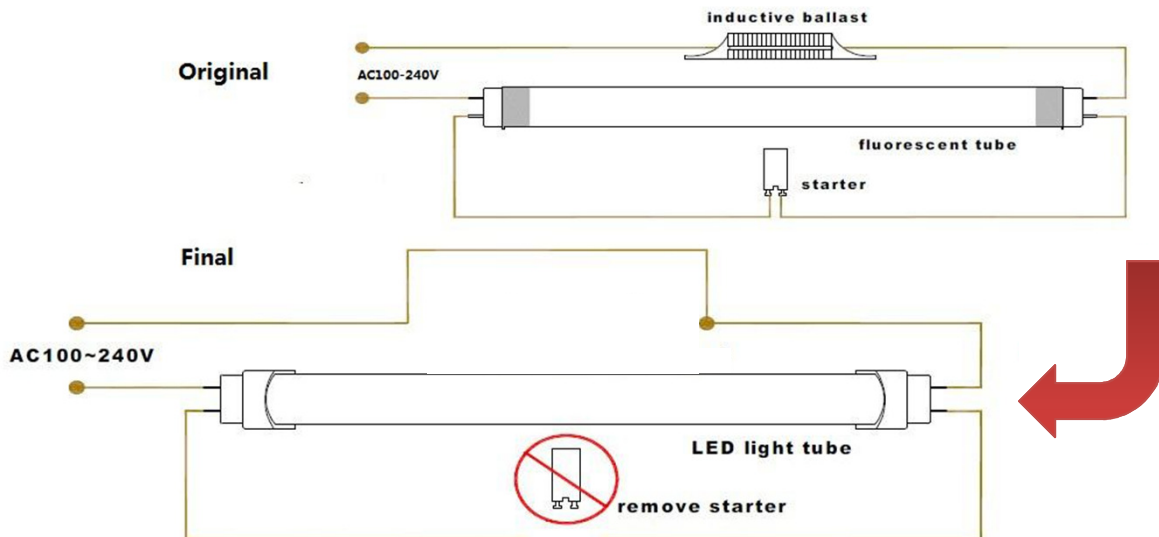
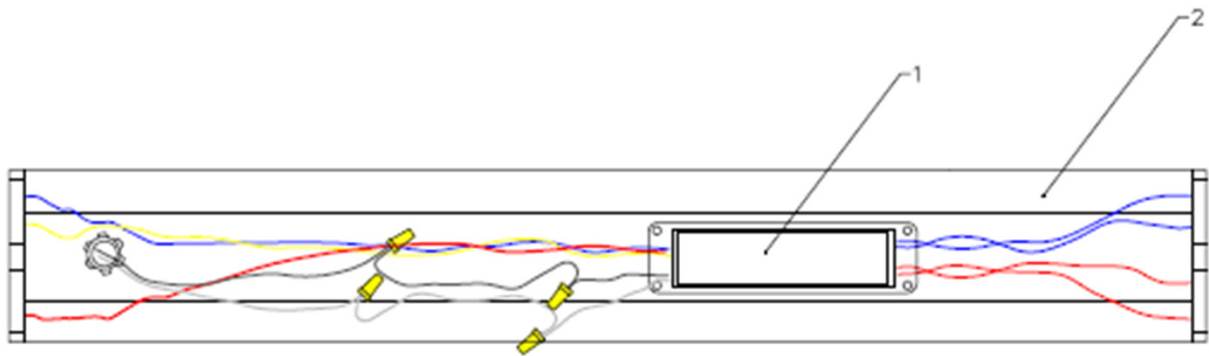


Fig W.4

Figure W.5

LED Tube, Fixture with Ballast



- 1-BALLAST
- 2 -EXISTING FIX
- 3-END CAP
- 4-FLUORESCENT LED
- 5-PINS
- 6-TOMBSTONE

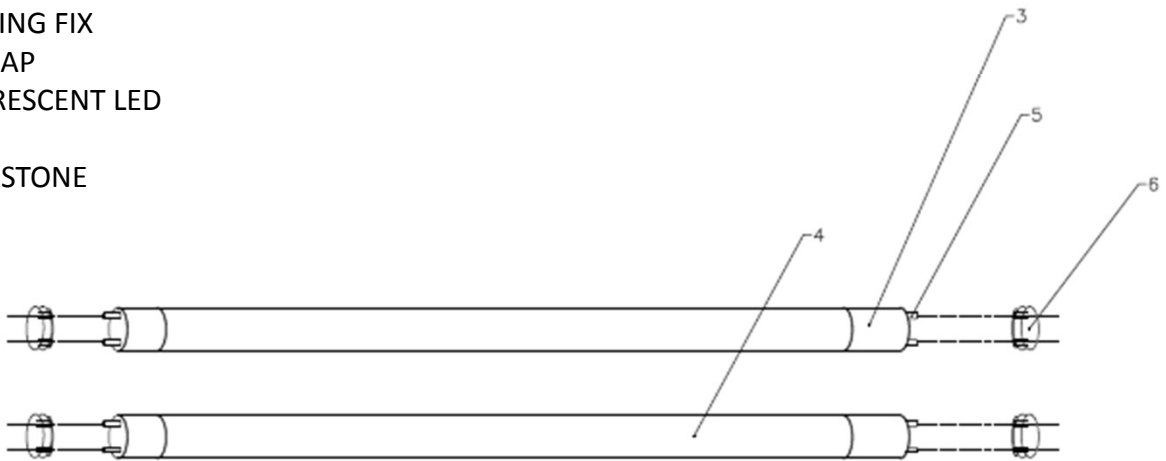
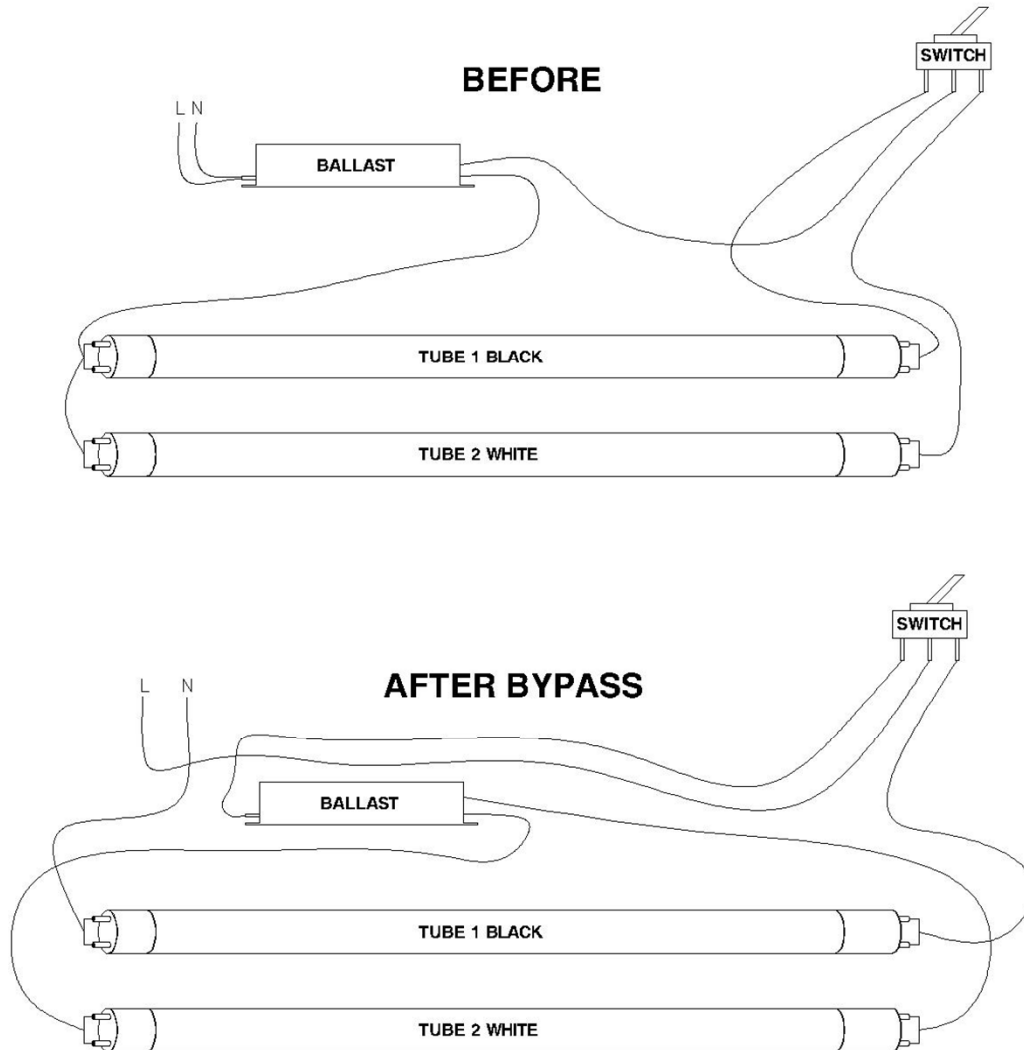


Fig W.5

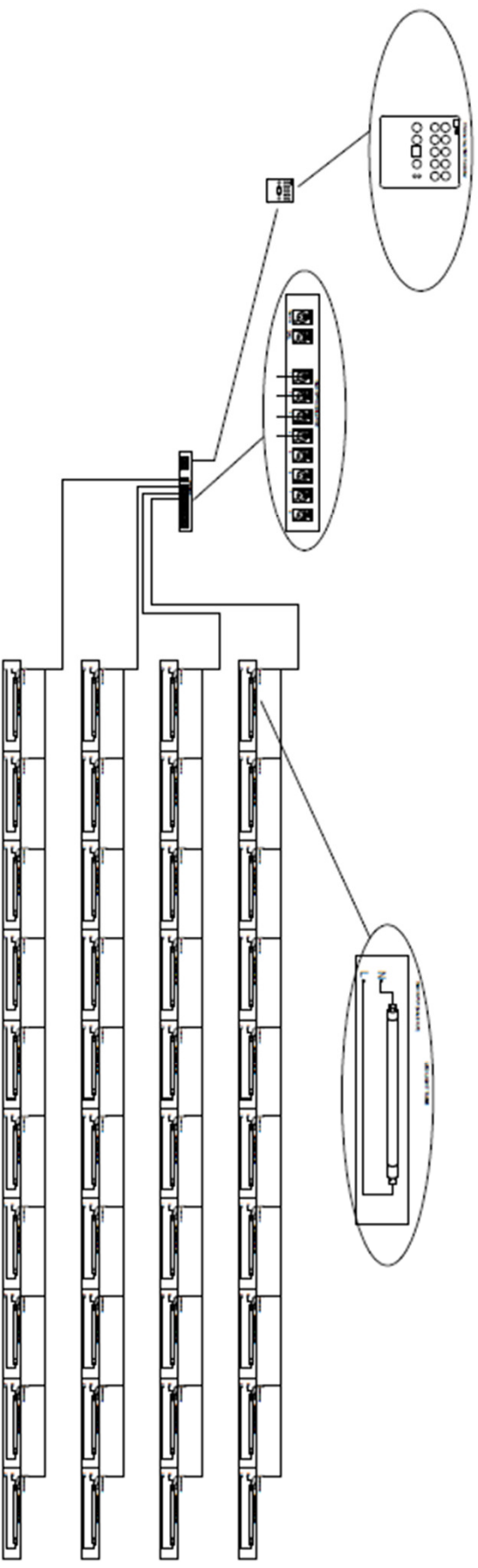
Figure W.6

Dual Pin Deck Wiring Example



Versalamp 485 LED Light Tube

Figure W.8
DMX Wire Diagram With Chroma Key Controller
+ One DMX Universe For More Than 12 Lanes



Note: All fixtures must be oriented the same way.
Data cables must be on the right or left side on all lanes.

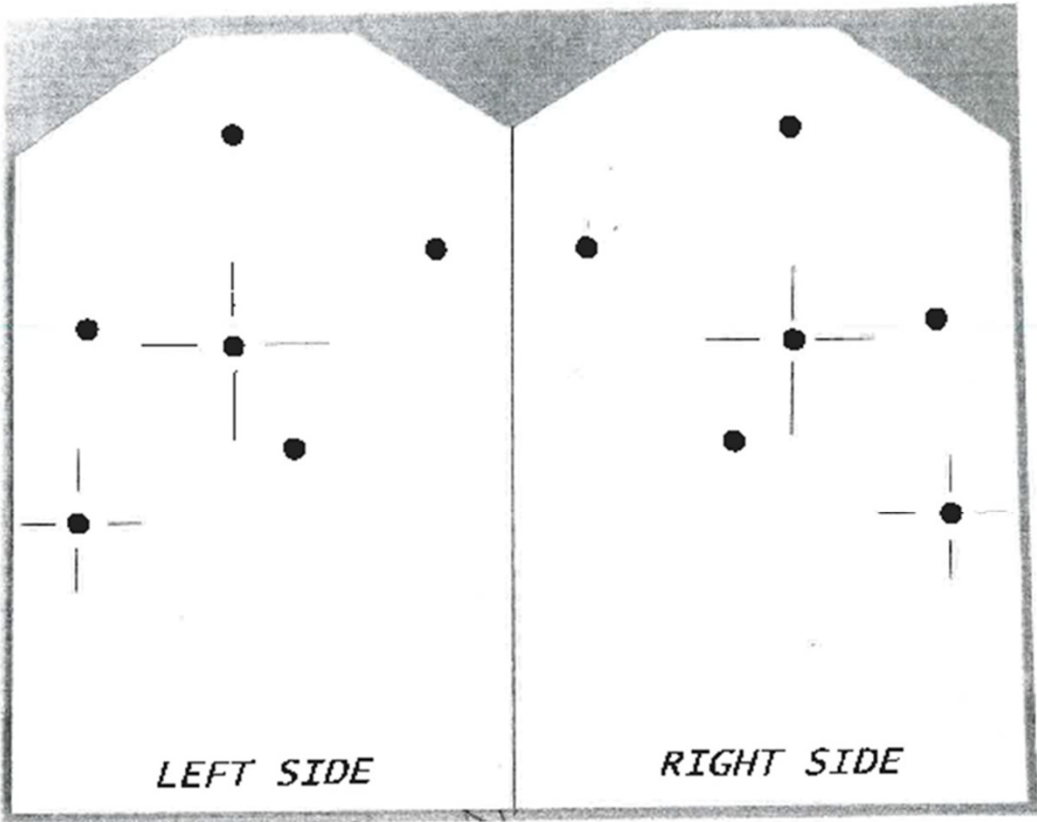
Figure L

DMX Opto Isolator



Figure M

Drill Template for Adjusting Spring Loaded Lamp Sockets



For Zot 3' dual fixtures

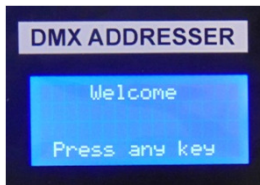
DMX Addresser

The DMX Addresser is used to input the DMX address into the VersaLamp LED Light Tubes. The LED Light Tubes are shipped with the addresses already loaded into the Light Tube. The address for each tube is located on the end cap (for example ADDR 051). Address the LED Light Tubes if it needs to be set to fit an existing program or to duplicate another fixture or LED Lamp.

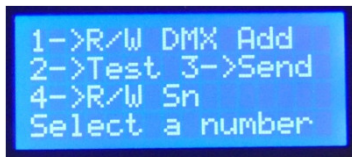
WARNING!!!! Only address one light tube at a time. If the light tube is connected to other light tubes the addresser will address all of them at the same time to the same address.

How to write an address to a VersaLamp Light Tube:

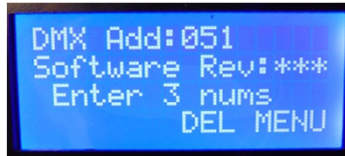
1. Disconnect the all DMX cables from the LED light tube to be addressed.
2. The light tube must be powered on to be addressed. Make sure the light tube is on and set to its test pattern of only white LEDs or only UV LEDs depending on the fixture type.
3. Plug in the RJ45 connector into the DMX Addresser.
4. Plug the addresser into a suitable electrical outlet (120v 60Hz).
5. Connect the female 3-Pin XLR connector to the addresser to the male 3-Pin XLR connector of the light tube.
6. Turn on the DMX Addresser.
7. Looking at the display of the Addresser: It should display the welcome screen. Then Press any key.



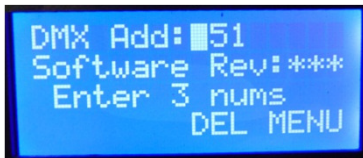
8. At the next screen press the #1 key.



9. Then enter the three digit DMX for the VersaLamp LED Light Tube. Please refer to the DMX Address Table. Three digits must be input for example: 051.



10. When the last digit is input the cursor will be flashing at the first digit.



11. Then press the W key. This will send the address to the LED Light Tube. Then the lamp will flash several colors as the address loads into the Light Tube.
12. Once the LED Light Tube stop flashing colors the address has been loaded. The DMX Addresser will display : Write Successful.



13. Disconnect the DMX addresser XLR connector from the LED Light Tube.
14. Connect the DMX XLR cables to the DMX controller or to other LED Light Tubes Connected to the DMX controller.
15. Test the LED Light Tube with a active or running program. We recommend using a simple color change type program like playback number 4 on the DMX Keypad Controller. The fixtures will all change color at the same time.
16. If the lamp is still out of sequence than check the address again or move on to the Troubleshooting section of the installation manual.

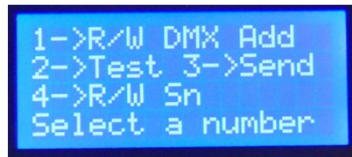
How to Read the Address of a VersaLamp LED Light Tube

1. Disconnect the all DMX cables from the LED light tube to be addressed.
2. The light tube must be powered on to be addressed. Make sure the light tube is on and set to its test pattern of only white LEDS or only UV LEDS depending on the fixture type.

3. Plug in the RJ45 connector into the DMX Addresser.
4. Plug the addresser into a suitable electrical outlet (120v 60Hz).
5. Connect the female 3-Pin XLR connector to the addresser to the male 3-Pin XLR connector of the light tube.
6. Turn on the DMX Addresser.
7. Looking at the display of the Addresser: It should display the welcome screen. Then Press any key.



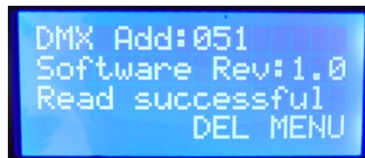
8. At the next screen press the #1 key.



9. Press the R/+ key.



10. This will read the address of the Led Light Tube and display it in the display of the DMX Addresser.



11. If the address is correct then re-connect the LED Light Tube to the DMX controller and test again. If the address is not correct than follow the steps above to change the address of the LED Light Tube.

DMX Address Table For VersaLamp 485 Light Tubes

(48" length with five color LEDs-red, green, blue, white & ultra-violet)

With One DMX Controller or Universe

1-10 Lanes	
Lane Number	DMX Address
1	1
2	51
3	101
4	151
5	201
6	251
7	301
8	351
9	401
10	451

12 Lanes	
Lane Number	DMX Address
1	1
2	51
3	101
4	151
5	201
6	251
7	1
8	51
9	101
10	151
11	201
12	251

14 Lanes	
Lane Number	DMX Address
1	1
2	51
3	101
4	151
5	201
6	251
7	301
8	1
9	51
10	101
11	151
12	201
13	251
14	301

16 Lanes	
Lane Number	DMX Address
1	1
2	51
3	101
4	151
5	201
6	251
7	301
8	351
9	1
10	51
11	101
12	151
13	201
14	251
15	301
16	351

DMX Address Table For VersaLamp 485 Light Tubes

(48" length with five color LEDs-red, green, blue, white & ultra-violet)

With One DMX Controller or Universe

18 Lanes		20 Lanes		22 Lanes		24 Lanes	
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	1	1	1	1	1	1
2	51	2	51	2	51	2	51
3	101	3	101	3	101	3	101
4	151	4	151	4	151	4	151
5	201	5	201	5	201	5	201
6	251	6	251	6	251	6	251
7	301	7	301	7	301	7	301
8	351	8	351	8	1	8	351
9	401	9	401	9	51	9	1
10	1	10	451	10	101	10	51
11	51	11	1	11	151	11	101
12	101	12	51	12	201	12	151
13	151	13	101	13	251	13	201
14	201	14	151	14	301	14	251
15	251	15	201	15	1	15	301
16	301	16	251	16	51	16	351
17	351	17	301	17	101	17	1
18	401	18	351	18	151	18	51
		19	401	19	201	19	101
		20	451	20	251	20	151
				21	301	21	201
				22	351	22	251
						23	301
						24	351

DMX Address Table For VersaLamp 485 Light Tubes (48" length with five color LEDs-red, green, blue, white & ultra-violet) With One DMX Controller or Universe

26 Lanes		28 Lanes		30 Lanes	
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	1	1	1	1
2	51	2	51	2	51
3	101	3	101	3	101
4	151	4	151	4	151
5	201	5	201	5	201
6	251	6	251	6	251
7	301	7	301	7	301
8	351	8	1	8	351
9	401	9	51	9	401
10	1	10	101	10	451
11	51	11	151	11	1
12	101	12	201	12	51
13	151	13	251	13	101
14	201	14	301	14	151
15	251	15	1	15	201
16	301	16	51	16	251
17	351	17	101	17	301
18	401	18	151	18	351
19	1	19	201	19	401
20	51	20	251	20	451
21	101	21	301	21	1
22	151	22	1	22	51
23	201	23	51	23	101
24	251	24	101	24	151
25	301	25	151	25	201
26	351	26	201	26	251
		27	251	27	301
		28	301	28	351
				29	401
				30	451

DMX Address Table For VersaLamp 485 Light Tubes

(48" length with five color LEDs-red, green, blue, white & ultra-violet)

With One DMX Controller or Universe

32 Lanes		32 Lanes		34 Lanes		34 Lanes	
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31	301	1	1	31	301
2	51	32	351	2	51	32	351
3	101	33		3	101	33	401
4	151	34		4	151	34	451
5	201	35		5	201	35	
6	251	36		6	251	36	
7	301	37		7	301	37	
8	351	38		8	351	38	
9	1	39		9	1	39	
10	51	40		10	51	40	
11	101	41		11	101	41	
12	151	42		12	151	42	
13	201	43		13	201	43	
14	251	44		14	251	44	
15	301	45		15	301	45	
16	351	46		16	351	46	
17	1	47		17	1	47	
18	51	48		18	51	48	
19	101	49		19	101	49	
20	151	50		20	151	50	
21	201	51		21	201	51	
22	251	52		22	251	52	
23	301	53		23	301	53	
24	351	54		24	351	54	
25	1	55		25	1	55	
26	51	56		26	51	56	
27	101	57		27	101	57	
28	151	58		28	151	58	
29	201	59		29	201	59	
30	251	60		30	251	60	

DMX Address Table For VersaLamp 485 Light Tubes

(48" length with five color LEDs-red, green, blue, white & ultra-violet)

With One DMX Controller or Universe

36 Lanes		36 Lanes		38 Lanes		38 Lanes	
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31	151	1	1	31	101
2	51	32	201	2	51	32	151
3	101	33	251	3	101	33	201
4	151	34	301	4	151	34	251
5	201	35	351	5	201	35	301
6	251	36	401	6	251	36	351
7	301	37		7	301	37	401
8	351	38		8	351	38	451
9	401	39		9	401	39	
10	1	40		10	451	40	
11	51	41		11	1	41	
12	101	42		12	51	42	
13	151	43		13	101	43	
14	201	44		14	151	44	
15	251	45		15	201	45	
16	301	46		16	251	46	
17	351	47		17	301	47	
18	401	48		18	351	48	
19	1	49		19	401	49	
20	51	50		20	1	50	
21	101	51		21	51	51	
22	151	52		22	101	52	
23	201	53		23	151	53	
24	251	54		24	201	54	
25	301	55		25	251	55	
26	351	56		26	301	56	
27	401	57		27	351	57	
28	1	58		28	401	58	
29	51	59		29	1	59	
30	101	60		30	51	60	

DMX Address Table For VersaLamp 485 Light Tubes

(48" length with five color LEDs-red, green, blue, white & ultra-violet)

With One DMX Controller or Universe

40 Lanes		40 Lanes		42 Lanes		42 Lanes	
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31	1	1	1	31	101
2	51	32	51	2	51	32	151
3	101	33	101	3	101	33	201
4	151	34	151	4	151	34	251
5	201	35	201	5	201	35	301
6	251	36	251	6	251	36	1
7	301	37	301	7	301	37	51
8	351	38	351	8	1	38	101
9	401	39	401	9	51	39	151
10	451	40	451	10	101	40	201
11	1	41		11	151	41	251
12	51	42		12	201	42	301
13	101	43		13	251	43	
14	151	44		14	301	44	
15	201	45		15	1	45	
16	251	46		16	51	46	
17	301	47		17	101	47	
18	351	48		18	151	48	
19	401	49		19	201	49	
20	451	50		20	251	50	
21	1	51		21	301	51	
22	51	52		22	1	52	
23	101	53		23	51	53	
24	151	54		24	101	54	
25	201	55		25	151	55	
26	251	56		26	201	56	
27	301	57		27	251	57	
28	351	58		28	301	58	
29	401	59		29	1	59	
30	451	60		30	51	60	

DMX Address Table For VersaLamp 485 Light Tubes

(48" length with five color LEDs-red, green, blue, white & ultra-violet)

With One DMX Controller or Universe

44 Lanes		44 Lanes		46 Lanes		46 Lanes	
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31	101	1	1	31	301
2	51	32	151	2	51	32	351
3	101	33	1	3	101	33	1
4	151	34	51	4	151	34	51
5	1	35	101	5	201	35	101
6	51	36	151	6	251	36	151
7	101	37	1	7	301	37	201
8	151	38	51	8	351	38	251
9	1	39	101	9	1	39	301
10	51	40	151	10	51	40	351
11	101	41	1	11	101	41	1
12	151	42	51	12	151	42	51
13	1	43	101	13	201	43	101
14	51	44	151	14	251	44	151
15	101	45		15	301	45	201
16	151	46		16	351	46	251
17	1	47		17	1	47	
18	51	48		18	51	48	
19	101	49		19	101	49	
20	151	50		20	151	50	
21	1	51		21	201	51	
22	51	52		22	251	52	
23	101	53		23	301	53	
24	151	54		24	351	54	
25	1	55		25	1	55	
26	51	56		26	51	56	
27	101	57		27	101	57	
28	151	58		28	151	58	
29	1	59		29	201	59	
30	51	60		30	251	60	

DMX Address Table For VersaLamp 485 Light Tubes

(48" length with five color LEDs-red, green, blue, white & ultra-violet)

With One DMX Controller or Universe

48 Lanes		48 Lanes		50 Lanes		50 Lanes	
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31	301	1	1	31	1
2	51	32	351	2	51	32	51
3	101	33	1	3	101	33	101
4	151	34	51	4	151	34	151
5	201	35	101	5	201	35	201
6	251	36	151	6	251	36	251
7	301	37	201	7	301	37	301
8	351	38	251	8	351	38	351
9	1	39	301	9	401	39	401
10	51	40	351	10	451	40	451
11	101	41	1	11	1	41	1
12	151	42	51	12	51	42	51
13	201	43	101	13	101	43	101
14	251	44	151	14	151	44	151
15	301	45	201	15	201	45	201
16	351	46	251	16	251	46	251
17	1	47	301	17	301	47	301
18	51	48	351	18	351	48	351
19	101	49		19	401	49	401
20	151	50		20	451	50	451
21	201	51		21	1	51	
22	251	52		22	51	52	
23	301	53		23	101	53	
24	351	54		24	151	54	
25	1	55		25	201	55	
26	51	56		26	251	56	
27	101	57		27	301	57	
28	151	58		28	351	58	
29	201	59		29	401	59	
30	251	60		30	451	60	

DMX Address Table For VersaLamp 485 Light Tubes

(48" length with five color LEDs-red, green, blue, white & ultra-violet)

With One DMX Controller or Universe

52 Lanes		52 Lanes		54 Lanes		54 Lanes	
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31	151	1	1	31	151
2	51	32	201	2	51	32	201
3	101	33	251	3	101	33	251
4	151	34	301	4	151	34	301
5	201	35	351	5	201	35	351
6	251	36	401	6	251	36	401
7	301	37	1	7	301	37	1
8	351	38	51	8	351	38	51
9	401	39	101	9	401	39	101
10	1	40	151	10	1	40	151
11	51	41	201	11	51	41	201
12	101	42	251	12	101	42	251
13	151	43	301	13	151	43	301
14	201	44	351	14	201	44	351
15	251	45	401	15	251	45	401
16	301	46	1	16	301	46	1
17	351	47	51	17	351	47	51
18	401	48	101	18	401	48	101
19	1	49	151	19	1	49	151
20	51	50	201	20	51	50	201
21	101	51	251	21	101	51	251
22	151	52	301	22	151	52	301
23	201	53		23	201	53	351
24	251	54		24	251	54	401
25	301	55		25	301	55	
26	351	56		26	351	56	
27	401	57		27	401	57	
28	1	58		28	1	58	
29	51	59		29	51	59	
30	101	60		30	101	60	

DMX Address Table For VersaLamp 485 Light Tubes

(48" length with five color LEDs-red, green, blue, white & ultra-violet)

With One DMX Controller or Universe

56 Lanes		56 Lanes		58 Lanes		58 Lanes	
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31	301	1	1	31	1
2	51	32	351	2	51	32	51
3	101	33	1	3	101	33	101
4	151	34	51	4	151	34	151
5	201	35	101	5	201	35	201
6	251	36	151	6	251	36	251
7	301	37	201	7	301	37	301
8	351	38	251	8	351	38	351
9	1	39	301	9	401	39	401
10	51	40	351	10	451	40	451
11	101	41	1	11	1	41	1
12	151	42	51	12	51	42	51
13	201	43	101	13	101	43	101
14	251	44	151	14	151	44	151
15	301	45	201	15	201	45	201
16	351	46	251	16	251	46	251
17	1	47	301	17	301	47	301
18	51	48	351	18	351	48	351
19	101	49	1	19	401	49	401
20	151	50	51	20	451	50	451
21	201	51	101	21	1	51	1
22	251	52	151	22	51	52	51
23	301	53	201	23	101	53	101
24	351	54	251	24	151	54	151
25	1	55	301	25	201	55	201
26	51	56	351	26	251	56	251
27	101	57		27	301	57	301
28	151	58		28	351	58	351
29	201	59		29	401	59	
30	251	60		30	451	60	

DMX Address Table For VersaLamp 485 Light Tubes

(48" length with five color LEDs-red, green, blue, white & ultra-violet)

With One DMX Controller or Universe

60 Lanes		60 Lanes	
Lane Number	DMX Address	Lane Number	DMX Address
1	1	31	1
2	51	32	51
3	101	33	101
4	151	34	151
5	201	35	201
6	251	36	251
7	301	37	301
8	351	38	351
9	401	39	401
10	451	40	451
11	1	41	1
12	51	42	51
13	101	43	101
14	151	44	151
15	201	45	201
16	251	46	251
17	301	47	301
18	351	48	351
19	401	49	401
20	451	50	451
21	1	51	1
22	51	52	51
23	101	53	101
24	151	54	151
25	201	55	201
26	251	56	251
27	301	57	301
28	351	58	351
29	401	59	401
30	451	60	451

DMX Address Table For VersaLamp 365 Light Tubes

(36" length with five color LEDs-red, green, blue, white & ultra-violet)

With One DMX Controller or Universe

1-12 Lanes				14 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31		1	1	31	
2	41	32		2	41	32	
3	81	33		3	81	33	
4	121	34		4	121	34	
5	161	35		5	161	35	
6	201	36		6	201	36	
7	241	37		7	241	37	
8	281	38		8	1	38	
9	321	39		9	41	39	
10	361	40		10	81	40	
11	401	41		11	121	41	
12	441	42		12	161	42	
13		43		13	201	43	
14		44		14	241	44	
15		45		15		45	
16		46		16		46	
17		47		17		47	
18		48		18		48	
19		49		19		49	
20		50		20		50	
21		51		21		51	
22		52		22		52	
23		53		23		53	
24		54		24		54	
25		55		25		55	
26		56		26		56	
27		57		27		57	
28		58		28		58	
29		59		29		59	
30		60		30		60	

DMX Address Table For VersaLamp 365 Light Tubes

(36" length with five color LEDs-red, green, blue, white & ultra-violet)

With One DMX Controller or Universe

16 Lanes				18 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31		1	1	31	
2	41	32		2	41	32	
3	81	33		3	81	33	
4	121	34		4	121	34	
5	161	35		5	161	35	
6	201	36		6	201	36	
7	241	37		7	241	37	
8	281	38		8	281	38	
9	1	39		9	321	39	
10	41	40		10	1	40	
11	81	41		11	41	41	
12	121	42		12	81	42	
13	161	43		13	121	43	
14	201	44		14	161	44	
15	241	45		15	201	45	
16	281	46		16	241	46	
17		47		17	281	47	
18		48		18	321	48	
19		49		19		49	
20		50		20		50	
21		51		21		51	
22		52		22		52	
23		53		23		53	
24		54		24		54	
25		55		25		55	
26		56		26		56	
27		57		27		57	
28		58		28		58	
29		59		29		59	
30		60		30		60	

DMX Address Table For VersaLamp 365 Light Tubes

(36" length with five color LEDs-red, green, blue, white & ultra-violet)

With One DMX Controller or Universe

20 Lanes				22 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31		1	1	31	
2	41	32		2	41	32	
3	81	33		3	81	33	
4	121	34		4	121	34	
5	161	35		5	161	35	
6	201	36		6	201	36	
7	241	37		7	241	37	
8	281	38		8	281	38	
9	321	39		9	321	39	
10	361	40		10	361	40	
11	1	41		11	401	41	
12	41	42		12	1	42	
13	81	43		13	41	43	
14	121	44		14	81	44	
15	161	45		15	121	45	
16	201	46		16	161	46	
17	241	47		17	201	47	
18	281	48		18	241	48	
19	321	49		19	281	49	
20	361	50		20	321	50	
21		51		21	361	51	
22		52		22	401	52	
23		53		23		53	
24		54		24		54	
25		55		25		55	
26		56		26		56	
27		57		27		57	
28		58		28		58	
29		59		29		59	
30		60		30		60	

DMX Address Table For VersaLamp 365 Light Tubes

(36" length with five color LEDs-red, green, blue, white & ultra-violet)

With One DMX Controller or Universe

24 Lanes				26 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31		1	1	31	
2	41	32		2	41	32	
3	81	33		3	81	33	
4	121	34		4	121	34	
5	161	35		5	161	35	
6	201	36		6	201	36	
7	241	37		7	241	37	
8	281	38		8	281	38	
9	321	39		9	321	39	
10	361	40		10	1	40	
11	401	41		11	41	41	
12	441	42		12	81	42	
13	1	43		13	121	43	
14	41	44		14	161	44	
15	81	45		15	201	45	
16	121	46		16	241	46	
17	161	47		17	281	47	
18	201	48		18	321	48	
19	241	49		19	1	49	
20	281	50		20	41	50	
21	321	51		21	81	51	
22	361	52		22	121	52	
23	401	53		23	161	53	
24	441	54		24	201	54	
25		55		25	241	55	
26		56		26	281	56	
27		57		27		57	
28		58		28		58	
29		59		29		59	
30		60		30		60	

DMX Address Table For VersaLamp 365 Light Tubes

(36" length with five color LEDs-red, green, blue, white & ultra-violet)

With One DMX Controller or Universe

28 Lanes				30 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31		1	1	31	
2	41	32		2	41	32	
3	81	33		3	81	33	
4	121	34		4	121	34	
5	161	35		5	161	35	
6	201	36		6	201	36	
7	241	37		7	241	37	
8	281	38		8	281	38	
9	321	39		9	321	39	
10	1	40		10	361	40	
11	41	41		11	1	41	
12	81	42		12	41	42	
13	121	43		13	81	43	
14	161	44		14	121	44	
15	201	45		15	161	45	
16	241	46		16	201	46	
17	281	47		17	241	47	
18	321	48		18	281	48	
19	1	49		19	321	49	
20	41	50		20	361	50	
21	81	51		21	1	51	
22	121	52		22	41	52	
23	161	53		23	81	53	
24	201	54		24	121	54	
25	241	55		25	161	55	
26	281	56		26	201	56	
27	321	57		27	241	57	
28	361	58		28	281	58	
29		59		29	321	59	
30		60		30	361	60	

DMX Address Table For VersaLamp 365 Light Tubes

(36" length with five color LEDs-red, green, blue, white & ultra-violet)

With One DMX Controller or Universe

32 Lanes				34 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31	241	1	1	31	201
2	41	32	281	2	41	32	241
3	81	33		3	81	33	281
4	121	34		4	121	34	321
5	161	35		5	161	35	
6	201	36		6	201	36	
7	241	37		7	241	37	
8	281	38		8	281	38	
9	1	39		9	321	39	
10	41	40		10	1	40	
11	81	41		11	41	41	
12	121	42		12	81	42	
13	161	43		13	121	43	
14	201	44		14	161	44	
15	241	45		15	201	45	
16	281	46		16	241	46	
17	1	47		17	281	47	
18	41	48		18	1	48	
19	81	49		19	41	49	
20	121	50		20	81	50	
21	161	51		21	121	51	
22	201	52		22	161	52	
23	241	53		23	201	53	
24	281	54		24	241	54	
25	1	55		25	281	55	
26	41	56		26	1	56	
27	81	57		27	41	57	
28	121	58		28	81	58	
29	161	59		29	121	59	
30	201	60		30	161	60	

DMX Address Table For VersaLamp 365 Light Tubes

(36" length with five color LEDs-red, green, blue, white & ultra-violet)

With One DMX Controller or Universe

36 Lanes				38 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31	241	1	1	31	1
2	41	32	281	2	41	32	41
3	81	33	321	3	81	33	81
4	121	34	361	4	121	34	121
5	161	35	401	5	161	35	161
6	201	36	441	6	201	36	201
7	241	37		7	241	37	241
8	281	38		8	281	38	281
9	321	39		9	321	39	
10	361	40		10	361	40	
11	401	41		11	1	41	
12	441	42		12	41	42	
13	1	43		13	81	43	
14	41	44		14	121	44	
15	81	45		15	161	45	
16	121	46		16	201	46	
17	161	47		17	241	47	
18	201	48		18	281	48	
19	241	49		19	321	49	
20	281	50		20	361	50	
21	321	51		21	1	51	
22	361	52		22	41	52	
23	401	53		23	81	53	
24	441	54		24	121	54	
25	1	55		25	161	55	
26	41	56		26	201	56	
27	81	57		27	241	57	
28	121	58		28	281	58	
29	161	59		29	321	59	
30	201	60		30	361	60	

DMX Address Table For VersaLamp 365 Light Tubes

(36" length with five color LEDs-red, green, blue, white & ultra-violet)

With One DMX Controller or Universe

40 Lanes				42 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31	1	1	1	31	81
2	41	32	41	2	41	32	121
3	81	33	81	3	81	33	161
4	121	34	121	4	121	34	201
5	161	35	161	5	161	35	241
6	201	36	201	6	201	36	1
7	241	37	241	7	241	37	41
8	281	38	281	8	1	38	81
9	321	39	321	9	41	39	121
10	361	40	361	10	81	40	161
11	1	41		11	121	41	201
12	41	42		12	161	42	241
13	81	43		13	201	43	
14	121	44		14	241	44	
15	161	45		15	1	45	
16	201	46		16	41	46	
17	241	47		17	81	47	
18	281	48		18	121	48	
19	321	49		19	161	49	
20	361	50		20	201	50	
21	1	51		21	241	51	
22	41	52		22	1	52	
23	81	53		23	41	53	
24	121	54		24	81	54	
25	161	55		25	121	55	
26	201	56		26	161	56	
27	241	57		27	201	57	
28	281	58		28	241	58	
29	321	59		29	1	59	
30	361	60		30	41	60	

DMX Address Table For VersaLamp 365 Light Tubes

(36" length with five color LEDs-red, green, blue, white & ultra-violet)

With One DMX Controller or Universe

44 Lanes				46 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31	41	1	1	31	241
2	41	32	81	2	41	32	281
3	81	33	121	3	81	33	1
4	121	34	161	4	121	34	41
5	161	35	201	5	161	35	81
6	201	36	241	6	201	36	121
7	241	37	1	7	241	37	161
8	281	38	41	8	281	38	201
9	1	39	81	9	1	39	241
10	41	40	121	10	41	40	281
11	81	41	161	11	81	41	1
12	121	42	201	12	121	42	41
13	161	43	241	13	161	43	81
14	201	44	281	14	201	44	121
15	241	45		15	241	45	161
16	1	46		16	281	46	201
17	41	47		17	1	47	
18	81	48		18	41	48	
19	121	49		19	81	49	
20	161	50		20	121	50	
21	201	51		21	161	51	
22	241	52		22	201	52	
23	1	53		23	241	53	
24	41	54		24	281	54	
25	81	55		25	1	55	
26	121	56		26	41	56	
27	161	57		27	81	57	
28	201	58		28	121	58	
29	241	59		29	161	59	
30	1	60		30	201	60	

DMX Address Table For VersaLamp 365 Light Tubes

(36" length with five color LEDs-red, green, blue, white & ultra-violet)

With One DMX Controller or Universe

48 Lanes				50 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31	241	1	1	31	1
2	41	32	281	2	41	32	41
3	81	33	321	3	81	33	81
4	121	34	361	4	121	34	121
5	161	35	401	5	161	35	161
6	201	36	441	6	201	36	201
7	241	37	1	7	241	37	241
8	281	38	41	8	281	38	281
9	321	39	81	9	321	39	321
10	361	40	121	10	361	40	361
11	401	41	161	11	1	41	1
12	441	42	201	12	41	42	41
13	1	43	241	13	81	43	81
14	41	44	281	14	121	44	121
15	81	45	321	15	161	45	161
16	121	46	361	16	201	46	201
17	161	47	401	17	241	47	241
18	201	48	441	18	281	48	281
19	241	49		19	321	49	321
20	281	50		20	361	50	361
21	321	51		21	1	51	
22	361	52		22	41	52	
23	401	53		23	81	53	
24	441	54		24	121	54	
25	1	55		25	161	55	
26	41	56		26	201	56	
27	81	57		27	241	57	
28	121	58		28	281	58	
29	161	59		29	321	59	
30	201	60		30	361	60	

DMX Address Table For VersaLamp 365 Light Tubes

(36" length with five color LEDs-red, green, blue, white & ultra-violet)

With One DMX Controller or Universe

52 Lanes				54 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31	361	1	1	31	121
2	41	32	1	2	41	32	161
3	81	33	41	3	81	33	201
4	121	34	81	4	121	34	241
5	161	35	121	5	161	35	281
6	201	36	161	6	201	36	321
7	241	37	201	7	241	37	1
8	281	38	241	8	281	38	41
9	321	39	281	9	321	39	81
10	361	40	321	10	1	40	121
11	401	41	361	11	41	41	161
12	1	42	1	12	81	42	201
13	41	43	41	13	121	43	241
14	81	44	81	14	161	44	281
15	121	45	121	15	201	45	321
16	161	46	161	16	241	46	1
17	201	47	201	17	281	47	41
18	241	48	241	18	321	48	81
19	281	49	281	19	1	49	121
20	321	50	321	20	41	50	161
21	361	51	361	21	81	51	201
22	1	52	401	22	121	52	241
23	41	53		23	161	53	281
24	81	54		24	201	54	321
25	121	55		25	241	55	
26	161	56		26	281	56	
27	201	57		27	321	57	
28	241	58		28	1	58	
29	281	59		29	41	59	
30	321	60		30	81	60	

DMX Address Table For VersaLamp 365 Light Tubes

(36" length with five color LEDs-red, green, blue, white & ultra-violet)

With One DMX Controller or Universe

56 Lanes				58 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31	241	1	1	31	201
2	41	32	281	2	41	32	241
3	81	33	1	3	81	33	281
4	121	34	41	4	121	34	1
5	161	35	81	5	161	35	41
6	201	36	121	6	201	36	81
7	241	37	161	7	241	37	121
8	281	38	201	8	281	38	161
9	1	39	241	9	321	39	201
10	41	40	281	10	1	40	241
11	81	41	1	11	41	41	281
12	121	42	41	12	81	42	1
13	161	43	81	13	121	43	41
14	201	44	121	14	161	44	81
15	241	45	161	15	201	45	121
16	281	46	201	16	241	46	161
17	1	47	241	17	281	47	201
18	41	48	281	18	1	48	241
19	81	49	1	19	41	49	281
20	121	50	41	20	81	50	1
21	161	51	81	21	121	51	41
22	201	52	121	22	161	52	81
23	241	53	161	23	201	53	121
24	281	54	201	24	241	54	161
25	1	55	241	25	281	55	201
26	41	56	281	26	1	56	241
27	81	57		27	41	57	281
28	121	58		28	81	58	321
29	161	59		29	121	59	
30	201	60		30	161	60	

DMX Address Table For VersaLamp 365 Light Tubes

(36" length with five color LEDs-red, green, blue, white & ultra-violet)

With One DMX Controller or Universe

60 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address
1	1	31	241
2	41	32	281
3	81	33	321
4	121	34	361
5	161	35	401
6	201	36	441
7	241	37	1
8	281	38	41
9	321	39	81
10	361	40	121
11	401	41	161
12	441	42	201
13	1	43	241
14	41	44	281
15	81	45	321
16	121	46	361
17	161	47	401
18	201	48	441
19	241	49	1
20	281	50	41
21	321	51	81
22	361	52	121
23	401	53	161
24	441	54	201
25	1	55	241
26	41	56	281
27	81	57	321
28	121	58	361
29	161	59	401
30	201	60	441

DMX Address Table For VersaLamp 484W/UV Light Tubes

(48" length with four color LEDs-red, green, blue, white or ultra-violet)

With One DMX Controller or Universe

1-12 Lanes				14 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31		1	1	31	
2	41	32		2	41	32	
3	81	33		3	81	33	
4	121	34		4	121	34	
5	161	35		5	161	35	
6	201	36		6	201	36	
7	241	37		7	241	37	
8	281	38		8	1	38	
9	321	39		9	41	39	
10	361	40		10	81	40	
11	401	41		11	121	41	
12	441	42		12	161	42	
13		43		13	201	43	
14		44		14	241	44	
15		45		15		45	
16		46		16		46	
17		47		17		47	
18		48		18		48	
19		49		19		49	
20		50		20		50	
21		51		21		51	
22		52		22		52	
23		53		23		53	
24		54		24		54	
25		55		25		55	
26		56		26		56	
27		57		27		57	
28		58		28		58	
29		59		29		59	
30		60		30		60	

DMX Address Table For VersaLamp 484W/UV Light Tubes

(48" length with four color LEDs-red, green, blue, white or ultra-violet)

With One DMX Controller or Universe

16 Lanes				18 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31		1	1	31	
2	41	32		2	41	32	
3	81	33		3	81	33	
4	121	34		4	121	34	
5	161	35		5	161	35	
6	201	36		6	201	36	
7	241	37		7	241	37	
8	281	38		8	281	38	
9	1	39		9	321	39	
10	41	40		10	1	40	
11	81	41		11	41	41	
12	121	42		12	81	42	
13	161	43		13	121	43	
14	201	44		14	161	44	
15	241	45		15	201	45	
16	281	46		16	241	46	
17		47		17	281	47	
18		48		18	321	48	
19		49		19		49	
20		50		20		50	
21		51		21		51	
22		52		22		52	
23		53		23		53	
24		54		24		54	
25		55		25		55	
26		56		26		56	
27		57		27		57	
28		58		28		58	
29		59		29		59	
30		60		30		60	

DMX Address Table For VersaLamp 484W/UV Light Tubes

(48" length with four color LEDs-red, green, blue, white or ultra-violet)

With One DMX Controller or Universe

20 Lanes				22 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31		1	1	31	
2	41	32		2	41	32	
3	81	33		3	81	33	
4	121	34		4	121	34	
5	161	35		5	161	35	
6	201	36		6	201	36	
7	241	37		7	241	37	
8	281	38		8	281	38	
9	321	39		9	321	39	
10	361	40		10	361	40	
11	1	41		11	401	41	
12	41	42		12	1	42	
13	81	43		13	41	43	
14	121	44		14	81	44	
15	161	45		15	121	45	
16	201	46		16	161	46	
17	241	47		17	201	47	
18	281	48		18	241	48	
19	321	49		19	281	49	
20	361	50		20	321	50	
21		51		21	361	51	
22		52		22	401	52	
23		53		23		53	
24		54		24		54	
25		55		25		55	
26		56		26		56	
27		57		27		57	
28		58		28		58	
29		59		29		59	
30		60		30		60	

DMX Address Table For VersaLamp 484W/UV Light Tubes

(48" length with four color LEDs-red, green, blue, white or ultra-violet)

With One DMX Controller or Universe

24 Lanes				26 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31		1	1	31	
2	41	32		2	41	32	
3	81	33		3	81	33	
4	121	34		4	121	34	
5	161	35		5	161	35	
6	201	36		6	201	36	
7	241	37		7	241	37	
8	281	38		8	281	38	
9	321	39		9	321	39	
10	361	40		10	1	40	
11	401	41		11	41	41	
12	441	42		12	81	42	
13	1	43		13	121	43	
14	41	44		14	161	44	
15	81	45		15	201	45	
16	121	46		16	241	46	
17	161	47		17	281	47	
18	201	48		18	321	48	
19	241	49		19	1	49	
20	281	50		20	41	50	
21	321	51		21	81	51	
22	361	52		22	121	52	
23	401	53		23	161	53	
24	441	54		24	201	54	
25		55		25	241	55	
26		56		26	281	56	
27		57		27		57	
28		58		28		58	
29		59		29		59	
30		60		30		60	

DMX Address Table For VersaLamp 484W/UV Light Tubes

(48" length with four color LEDs-red, green, blue, white or ultra-violet)

With One DMX Controller or Universe

28 Lanes				30 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31		1	1	31	
2	41	32		2	41	32	
3	81	33		3	81	33	
4	121	34		4	121	34	
5	161	35		5	161	35	
6	201	36		6	201	36	
7	241	37		7	241	37	
8	281	38		8	281	38	
9	321	39		9	321	39	
10	1	40		10	361	40	
11	41	41		11	1	41	
12	81	42		12	41	42	
13	121	43		13	81	43	
14	161	44		14	121	44	
15	201	45		15	161	45	
16	241	46		16	201	46	
17	281	47		17	241	47	
18	321	48		18	281	48	
19	1	49		19	321	49	
20	41	50		20	361	50	
21	81	51		21	1	51	
22	121	52		22	41	52	
23	161	53		23	81	53	
24	201	54		24	121	54	
25	241	55		25	161	55	
26	281	56		26	201	56	
27	321	57		27	241	57	
28	361	58		28	281	58	
29		59		29	321	59	
30		60		30	361	60	

DMX Address Table For VersaLamp 484W/UV Light Tubes

(48" length with four color LEDs-red, green, blue, white or ultra-violet)

With One DMX Controller or Universe

32 Lanes				34 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31	241	1	1	31	201
2	41	32	281	2	41	32	241
3	81	33		3	81	33	281
4	121	34		4	121	34	321
5	161	35		5	161	35	
6	201	36		6	201	36	
7	241	37		7	241	37	
8	281	38		8	281	38	
9	1	39		9	321	39	
10	41	40		10	1	40	
11	81	41		11	41	41	
12	121	42		12	81	42	
13	161	43		13	121	43	
14	201	44		14	161	44	
15	241	45		15	201	45	
16	281	46		16	241	46	
17	1	47		17	281	47	
18	41	48		18	1	48	
19	81	49		19	41	49	
20	121	50		20	81	50	
21	161	51		21	121	51	
22	201	52		22	161	52	
23	241	53		23	201	53	
24	281	54		24	241	54	
25	1	55		25	281	55	
26	41	56		26	1	56	
27	81	57		27	41	57	
28	121	58		28	81	58	
29	161	59		29	121	59	
30	201	60		30	161	60	

DMX Address Table For VersaLamp 484W/UV Light Tubes

(48" length with four color LEDs-red, green, blue, white or ultra-violet)

With One DMX Controller or Universe

36 Lanes				38 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31	241	1	1	31	1
2	41	32	281	2	41	32	41
3	81	33	321	3	81	33	81
4	121	34	361	4	121	34	121
5	161	35	401	5	161	35	161
6	201	36	441	6	201	36	201
7	241	37		7	241	37	241
8	281	38		8	281	38	281
9	321	39		9	321	39	
10	361	40		10	361	40	
11	401	41		11	1	41	
12	441	42		12	41	42	
13	1	43		13	81	43	
14	41	44		14	121	44	
15	81	45		15	161	45	
16	121	46		16	201	46	
17	161	47		17	241	47	
18	201	48		18	281	48	
19	241	49		19	321	49	
20	281	50		20	361	50	
21	321	51		21	1	51	
22	361	52		22	41	52	
23	401	53		23	81	53	
24	441	54		24	121	54	
25	1	55		25	161	55	
26	41	56		26	201	56	
27	81	57		27	241	57	
28	121	58		28	281	58	
29	161	59		29	321	59	
30	201	60		30	361	60	

DMX Address Table For VersaLamp 484W/UV Light Tubes

(48" length with four color LEDs-red, green, blue, white or ultra-violet)

With One DMX Controller or Universe

40 Lanes				42 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31	1	1	1	31	81
2	41	32	41	2	41	32	121
3	81	33	81	3	81	33	161
4	121	34	121	4	121	34	201
5	161	35	161	5	161	35	241
6	201	36	201	6	201	36	1
7	241	37	241	7	241	37	41
8	281	38	281	8	1	38	81
9	321	39	321	9	41	39	121
10	361	40	361	10	81	40	161
11	1	41		11	121	41	201
12	41	42		12	161	42	241
13	81	43		13	201	43	
14	121	44		14	241	44	
15	161	45		15	1	45	
16	201	46		16	41	46	
17	241	47		17	81	47	
18	281	48		18	121	48	
19	321	49		19	161	49	
20	361	50		20	201	50	
21	1	51		21	241	51	
22	41	52		22	1	52	
23	81	53		23	41	53	
24	121	54		24	81	54	
25	161	55		25	121	55	
26	201	56		26	161	56	
27	241	57		27	201	57	
28	281	58		28	241	58	
29	321	59		29	1	59	
30	361	60		30	41	60	

DMX Address Table For VersaLamp 484W/UV Light Tubes

(48" length with four color LEDs-red, green, blue, white or ultra-violet)

With One DMX Controller or Universe

44 Lanes				46 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31	41	1	1	31	241
2	41	32	81	2	41	32	281
3	81	33	121	3	81	33	1
4	121	34	161	4	121	34	41
5	161	35	201	5	161	35	81
6	201	36	241	6	201	36	121
7	241	37	1	7	241	37	161
8	281	38	41	8	281	38	201
9	1	39	81	9	1	39	241
10	41	40	121	10	41	40	281
11	81	41	161	11	81	41	1
12	121	42	201	12	121	42	41
13	161	43	241	13	161	43	81
14	201	44	281	14	201	44	121
15	241	45		15	241	45	161
16	1	46		16	281	46	201
17	41	47		17	1	47	
18	81	48		18	41	48	
19	121	49		19	81	49	
20	161	50		20	121	50	
21	201	51		21	161	51	
22	241	52		22	201	52	
23	1	53		23	241	53	
24	41	54		24	281	54	
25	81	55		25	1	55	
26	121	56		26	41	56	
27	161	57		27	81	57	
28	201	58		28	121	58	
29	241	59		29	161	59	
30	1	60		30	201	60	

DMX Address Table For VersaLamp 484W/UV Light Tubes

(48" length with four color LEDs-red, green, blue, white or ultra-violet)

With One DMX Controller or Universe

48 Lanes				50 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31	241	1	1	31	1
2	41	32	281	2	41	32	41
3	81	33	321	3	81	33	81
4	121	34	361	4	121	34	121
5	161	35	401	5	161	35	161
6	201	36	441	6	201	36	201
7	241	37	1	7	241	37	241
8	281	38	41	8	281	38	281
9	321	39	81	9	321	39	321
10	361	40	121	10	361	40	361
11	401	41	161	11	1	41	1
12	441	42	201	12	41	42	41
13	1	43	241	13	81	43	81
14	41	44	281	14	121	44	121
15	81	45	321	15	161	45	161
16	121	46	361	16	201	46	201
17	161	47	401	17	241	47	241
18	201	48	441	18	281	48	281
19	241	49		19	321	49	321
20	281	50		20	361	50	361
21	321	51		21	1	51	
22	361	52		22	41	52	
23	401	53		23	81	53	
24	441	54		24	121	54	
25	1	55		25	161	55	
26	41	56		26	201	56	
27	81	57		27	241	57	
28	121	58		28	281	58	
29	161	59		29	321	59	
30	201	60		30	361	60	

DMX Address Table For VersaLamp 484W/UV Light Tubes

(48" length with four color LEDs-red, green, blue, white or ultra-violet)

With One DMX Controller or Universe

52 Lanes				54 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31	361	1	1	31	121
2	41	32	1	2	41	32	161
3	81	33	41	3	81	33	201
4	121	34	81	4	121	34	241
5	161	35	121	5	161	35	281
6	201	36	161	6	201	36	321
7	241	37	201	7	241	37	1
8	281	38	241	8	281	38	41
9	321	39	281	9	321	39	81
10	361	40	321	10	1	40	121
11	401	41	361	11	41	41	161
12	1	42	1	12	81	42	201
13	41	43	41	13	121	43	241
14	81	44	81	14	161	44	281
15	121	45	121	15	201	45	321
16	161	46	161	16	241	46	1
17	201	47	201	17	281	47	41
18	241	48	241	18	321	48	81
19	281	49	281	19	1	49	121
20	321	50	321	20	41	50	161
21	361	51	361	21	81	51	201
22	1	52	401	22	121	52	241
23	41	53		23	161	53	281
24	81	54		24	201	54	321
25	121	55		25	241	55	
26	161	56		26	281	56	
27	201	57		27	321	57	
28	241	58		28	1	58	
29	281	59		29	41	59	
30	321	60		30	81	60	

DMX Address Table For VersaLamp 484W/UV Light Tubes

(48" length with four color LEDs-red, green, blue, white or ultra-violet)

With One DMX Controller or Universe

56 Lanes				58 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address	Lane Number	DMX Address
1	1	31	241	1	1	31	201
2	41	32	281	2	41	32	241
3	81	33	1	3	81	33	281
4	121	34	41	4	121	34	1
5	161	35	81	5	161	35	41
6	201	36	121	6	201	36	81
7	241	37	161	7	241	37	121
8	281	38	201	8	281	38	161
9	1	39	241	9	321	39	201
10	41	40	281	10	1	40	241
11	81	41	1	11	41	41	281
12	121	42	41	12	81	42	1
13	161	43	81	13	121	43	41
14	201	44	121	14	161	44	81
15	241	45	161	15	201	45	121
16	281	46	201	16	241	46	161
17	1	47	241	17	281	47	201
18	41	48	281	18	1	48	241
19	81	49	1	19	41	49	281
20	121	50	41	20	81	50	1
21	161	51	81	21	121	51	41
22	201	52	121	22	161	52	81
23	241	53	161	23	201	53	121
24	281	54	201	24	241	54	161
25	1	55	241	25	281	55	201
26	41	56	281	26	1	56	241
27	81	57		27	41	57	281
28	121	58		28	81	58	321
29	161	59		29	121	59	
30	201	60		30	161	60	

DMX Address Table For VersaLamp 484W/UV Light Tubes (48" length with four color LEDs-red, green, blue, white or ultra-violet) With One DMX Controller or Universe

60 Lanes			
Lane Number	DMX Address	Lane Number	DMX Address
1	1	31	241
2	41	32	281
3	81	33	321
4	121	34	361
5	161	35	401
6	201	36	441
7	241	37	1
8	281	38	41
9	321	39	81
10	361	40	121
11	401	41	161
12	441	42	201
13	1	43	241
14	41	44	281
15	81	45	321
16	121	46	361
17	161	47	401
18	201	48	441
19	241	49	1
20	281	50	41
21	321	51	81
22	361	52	121
23	401	53	161
24	441	54	201
25	1	55	241
26	41	56	281
27	81	57	321
28	121	58	361
29	161	59	401
30	201	60	441

Troubleshooting

This section describes a few common problems that may occur during operation and provides some suggestions for easy troubleshooting:

Symptom	Potential Cause	Remedies
No light output.	Power supply issue.	<p>Pinsetter is not sending power to the correct light tube.</p> <p>LED Light Tube not connected properly.</p> <p>Ballast no by-passed properly.</p> <p>Lamp sockets not connected properly to line voltage.</p> <p>Check mains voltage. Line voltage must be 100-240v.</p>
All LED tube flashes intermittently.	Control issue.	<p>DMX Controller not connected or powered up sending fixtures into test pattern.</p> <p>DMX control cables or controller not connected properly.</p>
One LED tube flashes intermittently.	Control issue.	<p>DMX Controller not connected or powered up sending fixtures into test pattern.</p> <p>DMX control cables or controller not connected properly.</p> <p>DMX address is not correct.</p> <p>Possible bad LED light tube.</p>
Light show does not run in consistent patterns.	DMX address issue.	<p>Confirm the DMX addresses of each tube with the DMX address list.</p> <p>Re-address or move the tubes that are out of order.</p> <p>Confirm the DMX cable connections.</p>
Controller not powering up	Power supply issue.	Check power and connections.

<p>One or multiple LED light tubes not working when other light tubes work correctly at the same time.</p>	<p>Control issue.</p>	<p>Check to be sure the right DMX connector is used. Check the light tube before the Unit(s) having the issue. It should be used with the cable with the dual connectors.</p>
<p>With RGBW light tubes, the system is not working correctly and must have lanes working with white light only immediately.</p>	<p>Control issue.</p>	<p>Disconnect the power to the DMX controller or disconnect the main DMX control cable. The RGBW light tubes have a default white setting when DMX is not connected.</p> <p>If it is only one unit by-pass the DMX cables of the one light tube with the issue.</p>
<p>Scoring system not scoring correctly</p>	<p>Light output issue.</p>	<p>Make sure light tube is focus direct on the center of the head pin.</p> <p>May need to adjust the light levels being picked up by the scoring system. Refer to the scoring system manual.</p>

VersaLamp 365 LED Light Tube Key Pad Programmed Light Shows

1. All White Only
2. All Ultra-Violet Only
3. Slow Color Change
4. Fast Color Change
5. Color Wave
6. Rainbow
7. Color Half Wave
8. Rainbow 2
9. Color Wagons
10. Various Effects

VersaLamp 485 LED Light Tube Key Pad Programmed Light Shows

1. All White Only
2. All Ultra-Violet Only
3. Slow Color Change
4. Fast Color Change
5. Color Wave
6. Rainbow
7. Color Half Wave
8. Rainbow 2
9. Color Wagons
10. Various Effects

VersaLamp 364W LED Light Tube Key Pad Programmed Light Shows

1. All White Only
2. Slow Color Change
3. Fast Color Change
4. Color Wave
5. Rainbow
6. Color Half Wave
7. Rainbow 2
8. Color Wagons
9. Various Effects
10. Various Effects 2

VersaLamp 484W LED Light Tube Key Pad Programmed Light Shows

1. All White Only
2. Slow Color Change
3. Fast Color Change
4. Color Wave
5. Rainbow
6. Color Half Wave
7. Rainbow 2
8. Color Wagons
9. Various Effects
10. Various Effects 2

VersaLamp 364UV LED Light Tube Key Pad Programmed Light Shows

1. All Ultra Violet Only
2. Slow Color Change
3. Fast Color Change
4. Color Wave
5. Rainbow
6. Color Half Wave
7. Rainbow 2
8. Color Wagons
9. Various Effects
10. Various Effects 2

VersaLamp 484UV LED Light Tube Key Pad Programmed Light Shows

1. All Ultra Violet Only
2. RGB White
3. Slow Color Change
4. Fast Color Change
5. Color Wave
6. Rainbow
7. Color Half Wave
8. Rainbow 2
9. Color Wagons
10. Various Effects