UV LINEAR SERIES INSTALLATION INSTRUCTIONS

Important

THIS SHEET CONTAINS IMPORTANT SAFETY INSTRUCTIONS. SAVE THESE INSTRUCTIONS.

Warning

- **This product must be installed in accordance with National Electrical Codes and all other local codes by a person familiar with the construction and operation of the product and the hazards involved.**
- **To prevent electrical shock, turn off the power during installation or maintenance.**
- **To reduce the risk of fire, keep away from combustible materials.**

This product contains UV LEDs with a narrow UVA spectral range (365nm peak). Do not look directly into the UV light during operation. Exposure to UV light can cause damage to the skin and eyes. Always use UV blocking eye protection.

Purpose of This Sheet

The purpose of this sheet is to provide step-by-step instructions to help you:

- Install the fixture with any of the following fittings, -TR universal trunnion fitting and -3A mega clamp fitting
- Aim the fixture.
- Use DMX Control.

UV LINEAR (2ft Shown)

Product Overview

The UV Linear series is a LED black light that can produce a narrow to a wide flood of ultraviolet light at 1/5th the power of conventional black lights. The luminaires use high efficiency UV LEDs to deliver high outputs of ultraviolet energy tuned to narrow 365nm peak wavelength. The absence of visible light is achieved without the use of a special filter. The LEDs have a lifetime of 30,000 hours at L70 (70% of initial output).

See the fixture label for voltage and wattage input.

Please consult our *Product Catalog* or web site for available accessories.

Dimming

- The UV series is dimmable using compatible low-voltage electronic dimmers.
- Other available dimming options include DMX control. Consult factory for details on dimming options.

Installing the Fixture with a -2A Universal Flange Fitting, or a -3A Mega Clamp Fitting.

Before Installing: Consult the code requirements for fixture mounting. Mount away from any flammable materials.

For the -TR fitting, follow steps 1, 2, 4, 5, and 6.
For the -3A fitting, follow steps 1, 3, 4, 5, and 6.

STEP	ACTION
1	Turn off all power to the fixture.
2	Attach the -TR fitting (**Fig. 1**) to any non-combustible material, using the 2-hole flanged mounting plate with 4 screws (supplied by others) or bolt-up applications, such as Unistrut or Kindorf systems. The -TR fitting can be adjusted horizontally by turning the locking knob **(Fig. 2)**.
3	Attach the -3A fitting (**Fig. 3**) to a non-combustible pipe measuring 1 5/16" to 2 3/8", and then secure the fitting by turning the C-clamp bolt clockwise. The -3A fitting can be adjusted horizontally by turning the locking knob **(Fig. 2)**.
4	Install the safety cable through the hole in the yoke and around a major supporting structure then attach the two loops in the cable together using the supplied carabineer clip **(Fig. 4).**
5	Plug the fixture into a power source. **IMPORTANT SAFETY INSTRUCTIONS** This product has a polarized plug as a feature to reduce the risk of electric shock. This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Never use with an extension cord unless the plug can be fully inserted. Do not alter the plug. ***NOTE: Fixture has power in and thru Neutrik PowerCon connectors. A maximum of 15 amps can be daisy chained (80ft of UV Linear fixtures at 120V)***
6	Restore power. WARNING: Do not look directly at the lit LED.

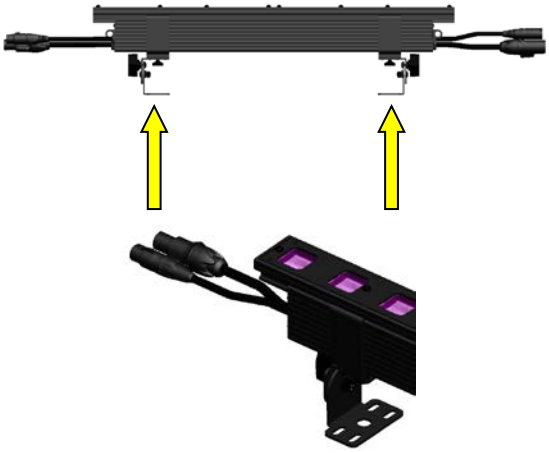

Figure 1. -TR fitting

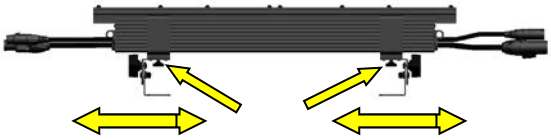

Figure 2. -TR fitting horizontal adjustment

Figure 3. -3A C-clamp fitting

Figure 4. Safety cable installed through hole in yoke

Aiming and Locking Fixture

STEP	ACTION
1	Turn off all power to the fixture, including the fixture switch on the fitting, and let the LED cool. **WARNING: LED and fixture may be hot.**
2	▪ *For vertical aiming,* hold the fixture, loosen knobs on the TR fittings **(Fig. 5)**. Angle the fixture to the left or right until you achieve your desired orientation. Once desired position is achieved, lock the fixture in place by turning the locking handle clockwise until fixture is locked.
3	Restore power. **WARNING: Do not look directly at the lit LED.**

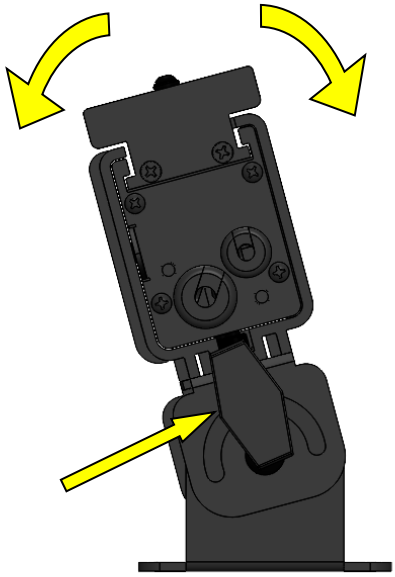

Figure 5. Angle fixture left or right to set the vertical focus

OPTIONAL DMX CONTROL The UV Linear is available with DMX/RDM control via 5 pin XLR connectors. The controller can be set to two different modes, DMX and Standalone.

DMX MODE

- The fixture is controlled by the data it receives on the 5-pin cabled XLR connectors located on the ends of the fixture. **(Fig. 6).** When DMX signal is lost/not present light output will default to 100%.

NOTE: Two DMX universes can be passed thru the XLR connectors but the fixture will only listen to data on pins 2/3 **(Fig. 7).**

PIN	Description
1	Common (shield)
2	Data -
3	Data +
4	Pass thru
5	Pass thru

- 1 DMX channel is used for 8-bit dimming. The microprocessor controller converts data to 10-bit dimming by a smoothing algorithm. Dim curve is linear.

- DMX address is set by a 3-digit push button. Numbers 001-512 will set the DMX address **(Fig. 8).**

NOTE: Top button decreases the value of the digit in that column by one. Bottom button increases the value of the digit in that column by one.

- If RDM (Remote Device Management) is needed set number to 000 **(Fig. 8).** Use a DMX/RDM interface (by others) to configure the fixture's DMX address.

STAND ALONE MODE

- In standalone mode the fixture can be controlled directly from the 3-digit push button without the need of a DMX control device.

- Fixture is controlled from 0-100% intensity by setting the 3-digit push button from 900-999. 900 being 0% (off) and 999 being 100% (full on) **(Fig. 8).**

NOTE: Top button decreases the value of the digit in that column by one. Bottom button increases the value of the digit in that column by one.

Figure 6. Location of DMX XLR cables

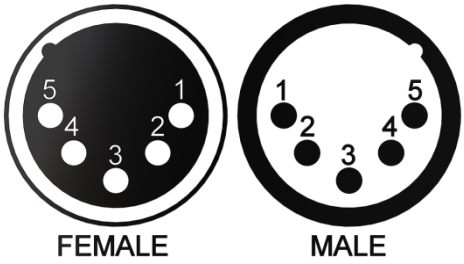

Figure 7. XLR 5 pin layout

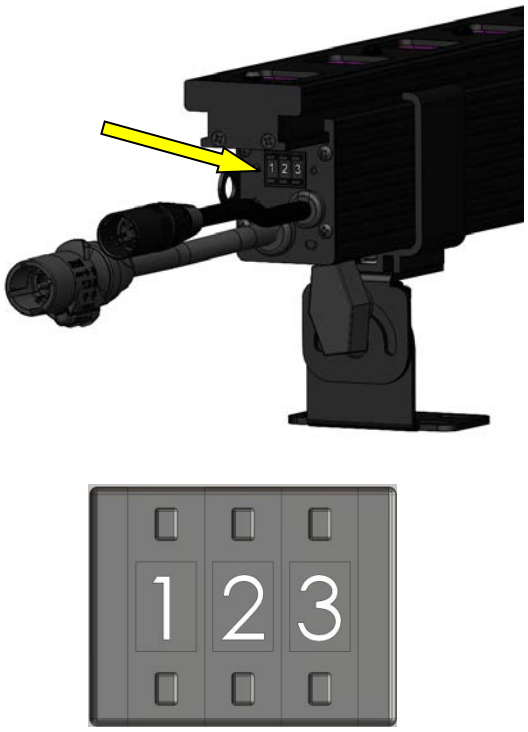

Figure 8. Location of DMX Address. 3- digit push wheel