

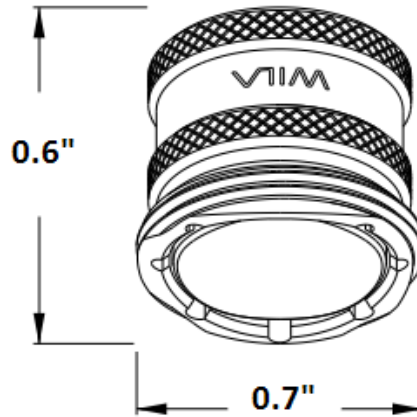
# PUCK XT

LED Hand Rail Luminaire

# WILA

## GENERAL PRODUCT INFORMATION

This product is suitable for wet locations.  
This instruction shows a typical installation.



## CAUTION - RISK OF FIRE

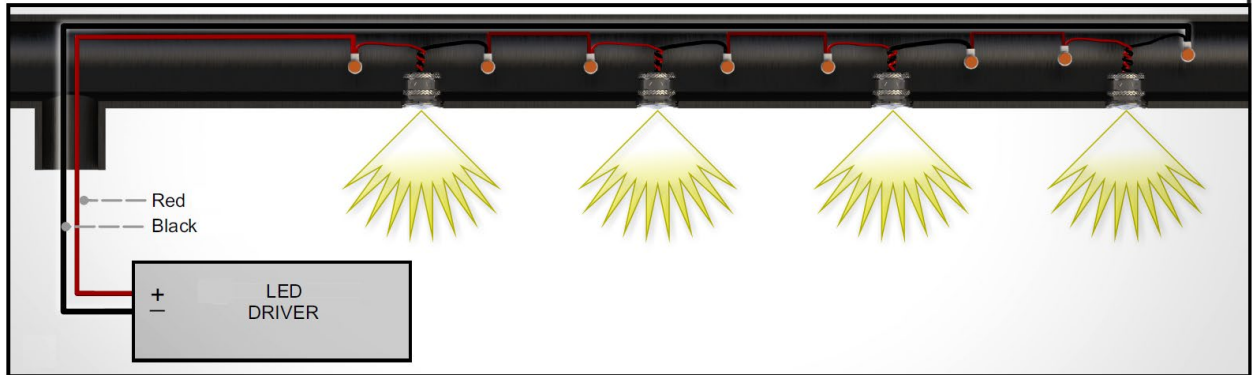
This product should be installed in accordance with local codes and should be installed by a certified electrician.



**SAVE THESE INSTRUCTIONS!**

**MAKE SURE POWER IS OFF** before making any electrical connections.

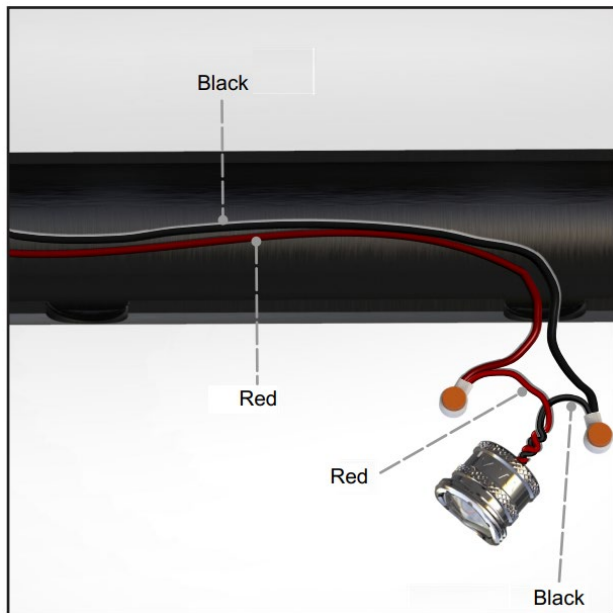
- Be sure to connect fixtures in accordance with local electrical codes.



- 1) Measure out and mark desired spacing for Puck XT modules on railing.
- 2) Drill out hole locations with 17mm drill bit. (NOT INCLUDED)
- 3) Tap holes using 18mm x 1 tap. (NOT INCLUDED)
- 4) Feed Black and Red 18GA wire from access hole in rail to furthest drilled hole for Puck XT. (18GA Red and Black wire NOT INCLUDED)

**Note:**

- Be sure to follow specification for maximum number of lights for driver being used.
- Be sure to follow local area codes to meet the necessary NEC.

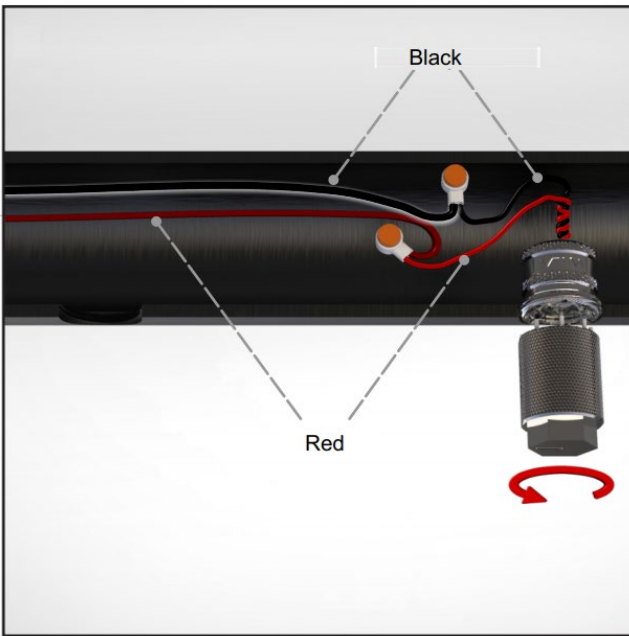


**Wiring & Mounting:**

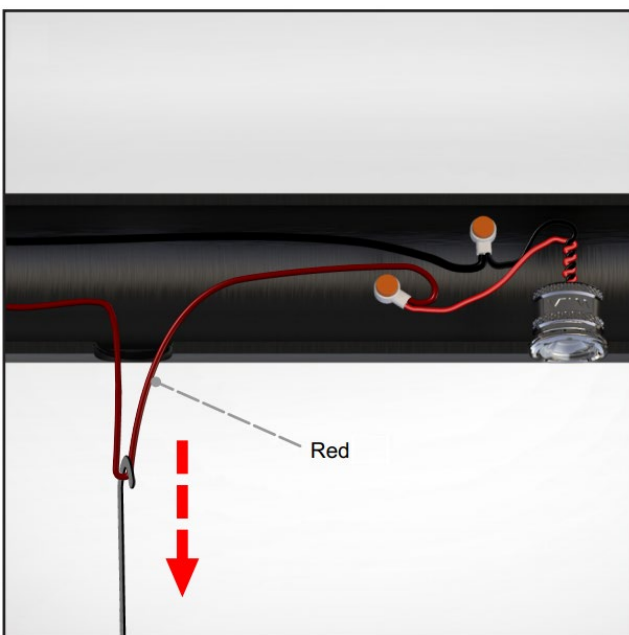
- 1) Starting with furthest module from driver, connect the Red (+) wire from Puck XT module to Red wire with provided wire nut.
- 2) Connect the black wire from Puck XT module to Black wire with provide wire nut.
- 3) Crimp wire nut connectors using suitable UY2 crimping pliers. (NOT INCLUDED)
- 4) Tuck wires up into hand rail.
- 5) Once wires are crimped, twist module counter-clockwise 5 times.



- 6) Add medium strength thread locker to threads to secure modules to prevent them from vibrating out. (ex. Loctite 243: NOT INCLUDED)

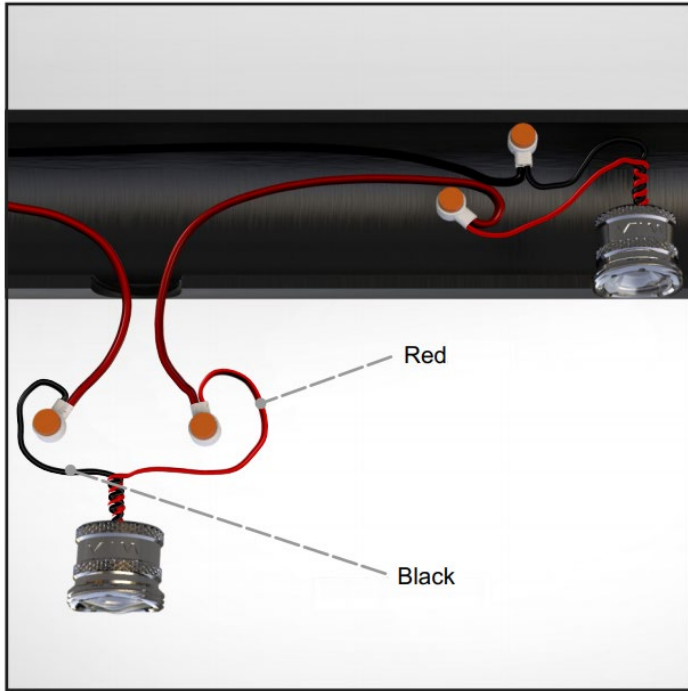


- 7) Thread module into rail using insertion tool (MP-011).  
**Note: See Beam Angle Alignment / Orientation page before threading Puck XT modules in prior to Loctite drying.**



**Connect next furthest module from driver.**

- 8) Pull Red wire down and out of the next tapped hole in rail.
- 9) Cut and strip Red wire. Remove ¼" of jacketing off each side.



- 10) Connect Red wire from module to red wire from previously installed module using provided crimps.
- 11) Connect Black wire from module to red wire going back to driver.
- 12) Repeat steps (3) through (11) to install remainder of modules being used in the run.

## Driver Enclosures

### Suitable for Wet location:

NRD-10W - 10 watt, 120/277vac, 10-18vdc, 0-10v dimming, Forward and Trailing edge dimming with 120vac only

### Suitable for Dry or Damp location:

NRD-20W - 20 watt, 120/277vac, 2-55vdc, 0-10v dimming (0.1%)

NRD-25W - 25 watt, 120/277vac, 10-56vdc, 0-10v dimming

### Puck XT's per driver.

NRD-10W – operates 4 – 6 Puck XTs

NRD-20W – operates 1 – 12 Puck XTs

NRD-25W – operates 4 – 15 Puck XTs

Cord grip is rated for (.200 - .485 diameter cable), power supply cable must meet local electrical codes for application being used in.

Power supply cable to and from Driver enclosure is NOT included, but must meet local NEC codes.

### Driver w/ Enclosure Mounting and Wiring.

- Driver w/ enclosure is to be mounted in a location between incoming power and rail containing Puck XT modules.

- Use Outdoor rated wire to meet local codes for connecting Remote junction box to Puck XT modules and for incoming line voltage. (Outdoor Cable NOT INCLUDED)

- 1) Connect the white wire from driver to the neutral power line wire with wire nut.
- 2) Connect the black wire from driver to the hot power line wire with wire nut.

**NOTE:**

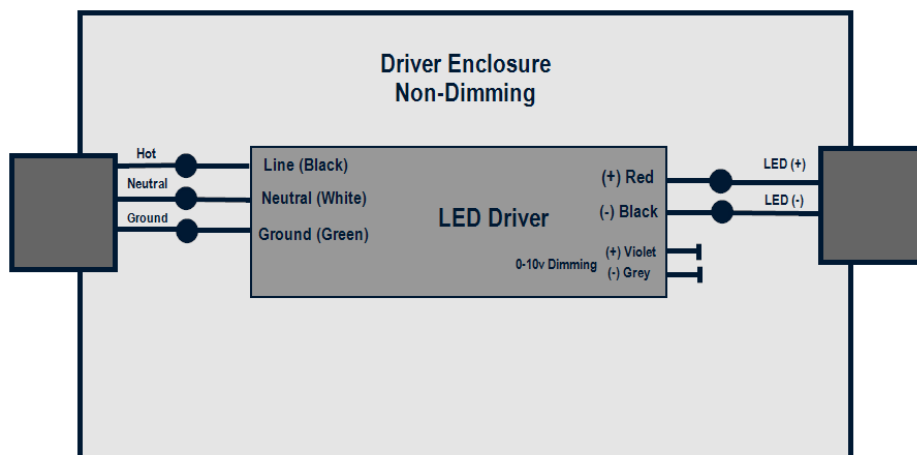
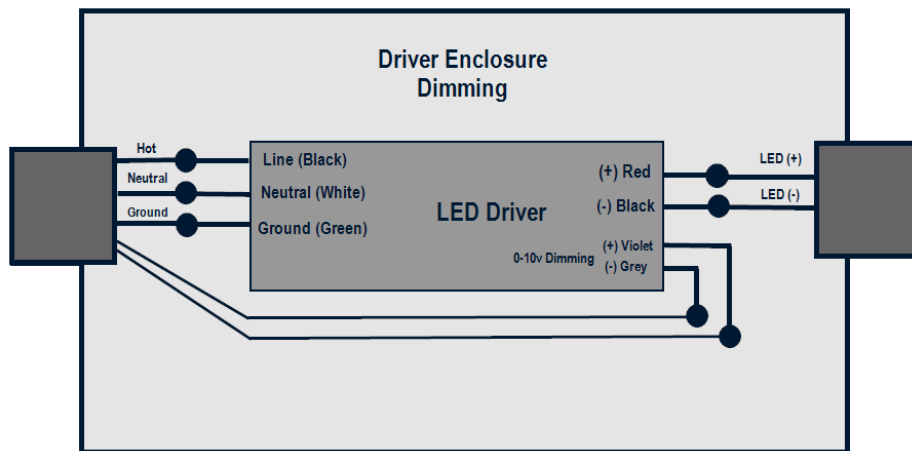
- Driver is universal 120/277 VAC
- Wire nuts are not included.

**0-10v Dimming wiring:**

- 3) Connect the violet (DIM+) and gray (DIM-) wires to a compatible 0-10V dimmer.

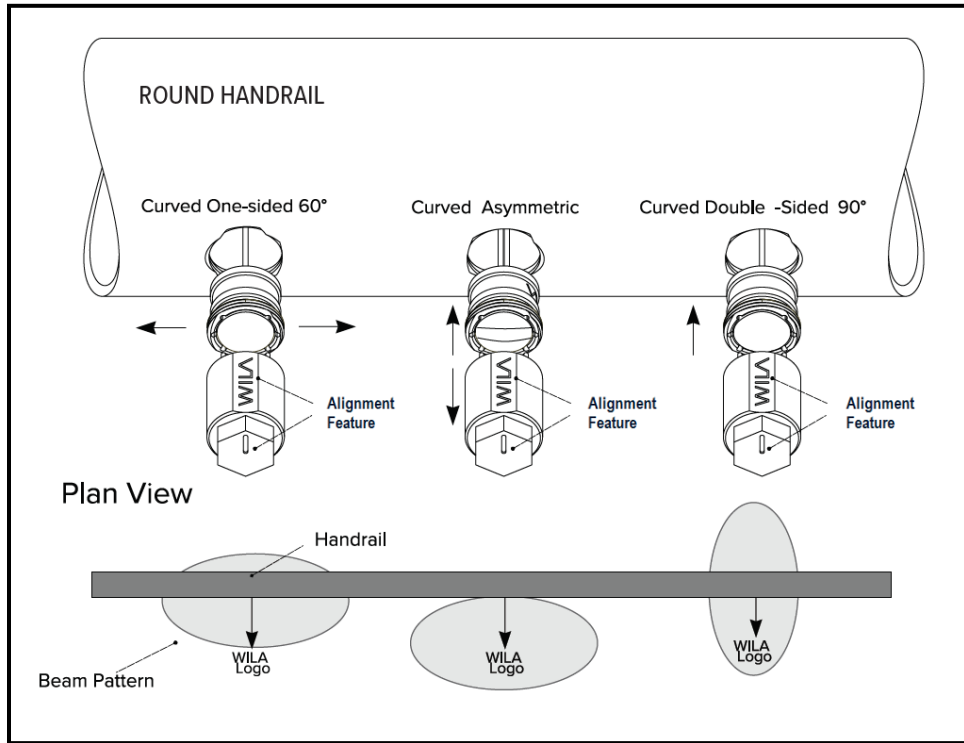
**NOTE:**

- If no dimming is needed, make sure to cap violet and gray wires to prevent unwanted short.

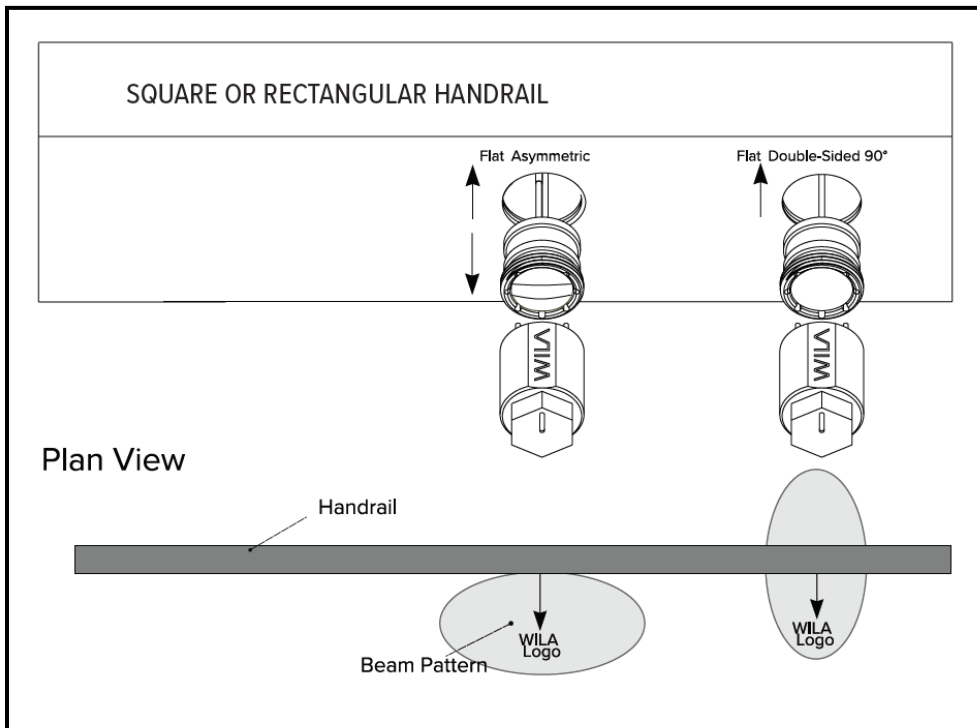


# Beam Angle Alignment / Orientation

## Round Hand Rail



## Square Hand Rail



### Remote Junction Box Mounting

- 1) Remove top cover of junction box to wire and mount remote box.
- 2) Using #8 screws (Not provided), mount the remote junction box using the below mounting pattern in preferred location.

