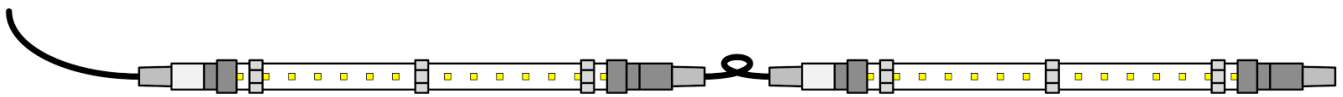




WPX Series

Plug-and-Play Installation Manual

Fixtures must be installed by a qualified electrician in accordance with all national and local electrical and construction codes and regulations. Please read through this document entirely before beginning the installation. Additionally, please do not hesitate to contact us with any questions, comments, or concerns that may arise.



- **Ensure the last fixture in every daisy chain is capped. Each leader cable is packaged with an end cap. Failure to cap the fixture will result in water ingress.**
- **Do not hot swap fixtures. Ensure that power to the power supply is off before connecting or disconnecting individual fixtures.**

1. Confirm all components received.

A. Supplied Materials

- WPX Series Luminaire(s)
- Mean Well 48V Power Supply(s)
- Jumper Cable(s) - if applicable
- Leader Cable(s) with End Cap(s)
- Mounting Clips

B. Required Materials

- Mounting Screws (depending on mounting surface)
- Chalk Line (for easy, straight mounting clip placement)

2. Verify Electrical Plan (for preconfigured GG-WPX packages)

If you have a preconfigured lighting package (ie. GG-WPX16, GG-WPX32, or GG-WPX48), refer to the diagrams below for the electrical plan.

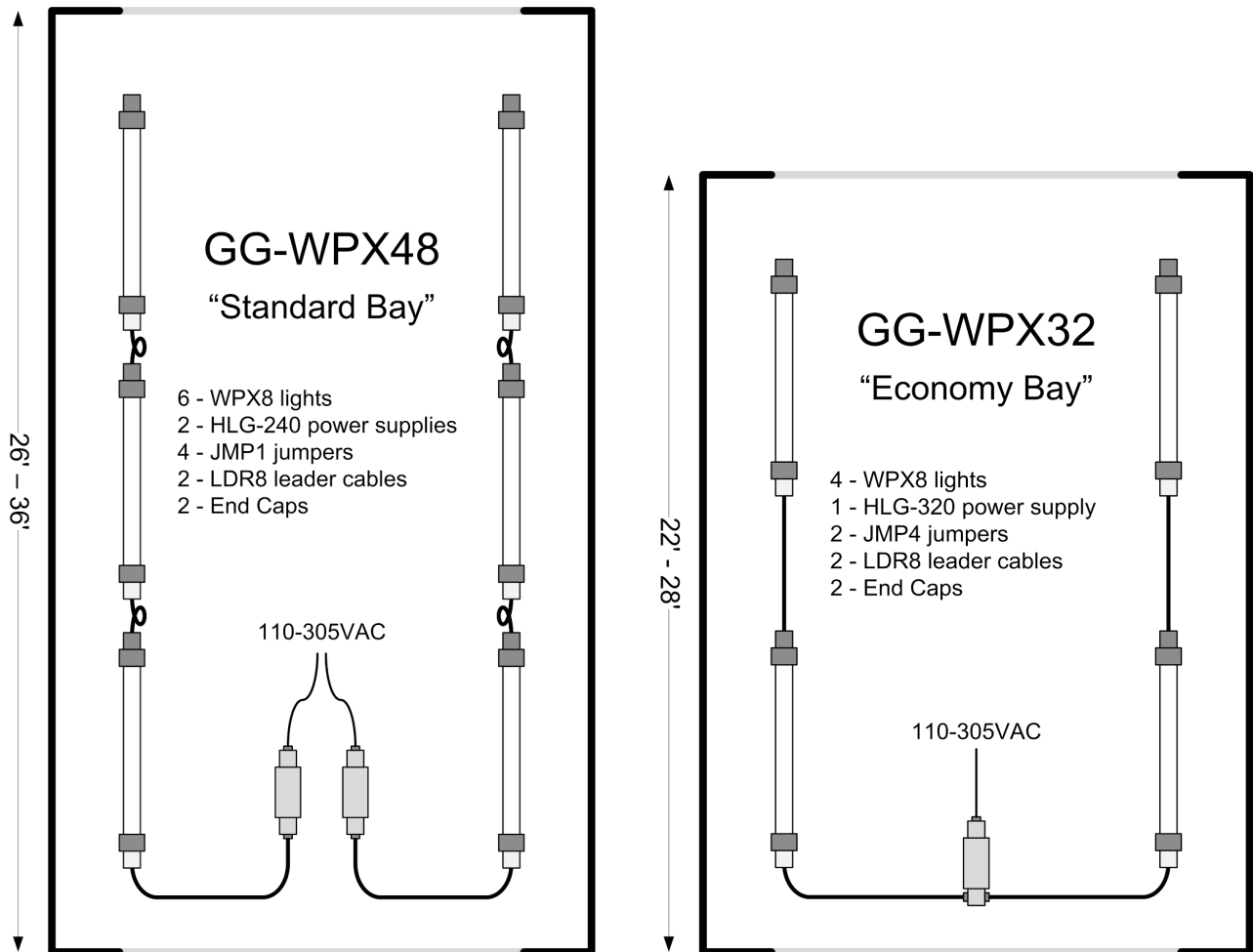


Figure 2.1: Car Wash Bay Packages

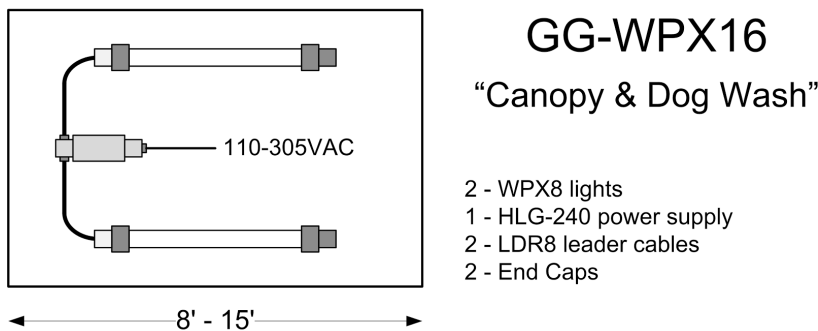


Figure 2.2: Canopy & Dog Wash Package

If modifications from the preconfigured plans are required, please call for support. We can provide alternate drivers, jumper lengths, etc.

3. Verify Electrical Plan (for custom installations)

If you have a custom lighting package, the number of fixtures each circuit can support will be based on the power supply used.

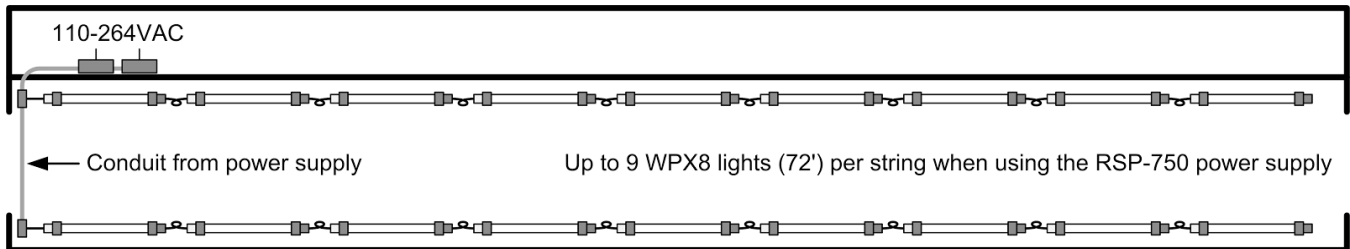


Figure 3.1: Custom Tunnel Installation

Supply	Enclosure	Input Voltage	Max Load	WPX8
RSP-750	NEMA 1	100-264VAC	72 feet	1-9 lights
HLG-320	IP67	100-305VAC	32 feet	1-4 lights
HLG-240	IP67	100-305VAC	24 feet	1-3 lights
HLG-80	IP67	100-305VAC	8 feet	1 light

Table 3.1: Max Supply Load

In custom installations, the leader cable may need to be extended to reach the power supply. The wire gauge required will depend on the load and the run length. This will limit the voltage drop to ~3V.

Load/Run Length	1-50ft	50-100ft	100-150ft
1-3 lights (5A)	16AWG	14AWG	12AWG
4-6 lights (10A)	14AWG	12AWG	10AWG
7-9 lights (15A)	12AWG	10AWG	8AWG

Table 3.2: Wire Gauge Table

4. Mount fixtures

WPX series wet location fixtures are typically mounted on the ceiling or high on the wall, depending on which makes for an easier installation. If mounting on the ceiling, keep the fixtures about 3 feet in from the wall.

Using a chalk line, snap a line down the entire length of the bay or tunnel, where the fixtures are intended to be mounted. Next, mark on the line where the mounting clips are to be affixed, using the diagram below for reference. Each WPX8 fixture uses three mounting clips - one near each end, and one in the middle.

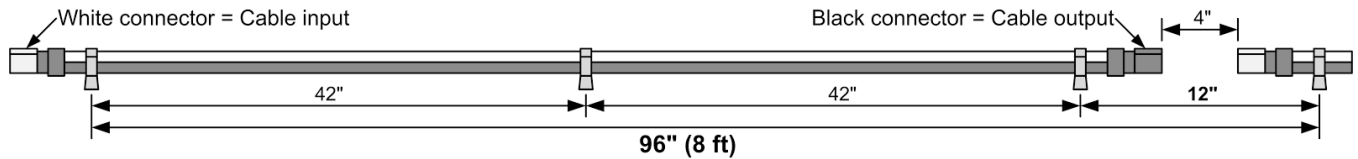


Figure 4.1: Mounting Clip Placement for 1FT Jumper

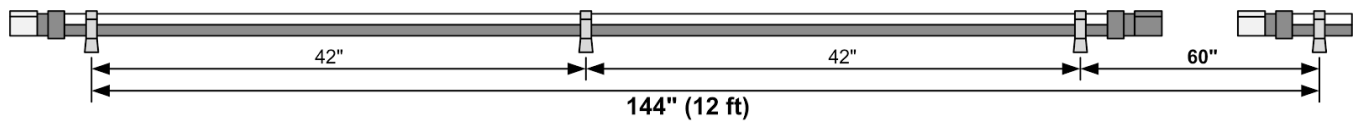


Figure 4.2: Mounting Clip Placement for 4FT Jumper

After marking the clip locations, verify proper placement of the fixtures throughout the area to be lit. If all looks good, secure the mounting clips to the wall or ceiling using proper mounting hardware.

After securing the clips, snap the fixtures into position by pressing them up into the mounting clips. Ensure that the white connector is facing toward the cable input (leader cable or jumper) on all fixtures.

5. Connect fixtures

Install the jumper cables between the mounted fixtures. The 1FT jumper is intended to be looped for minimum distance between fixtures.

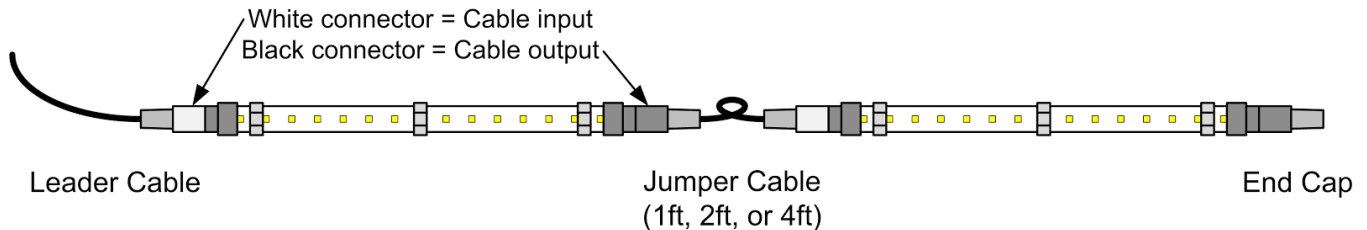


Figure 5.1: Fixture Connection

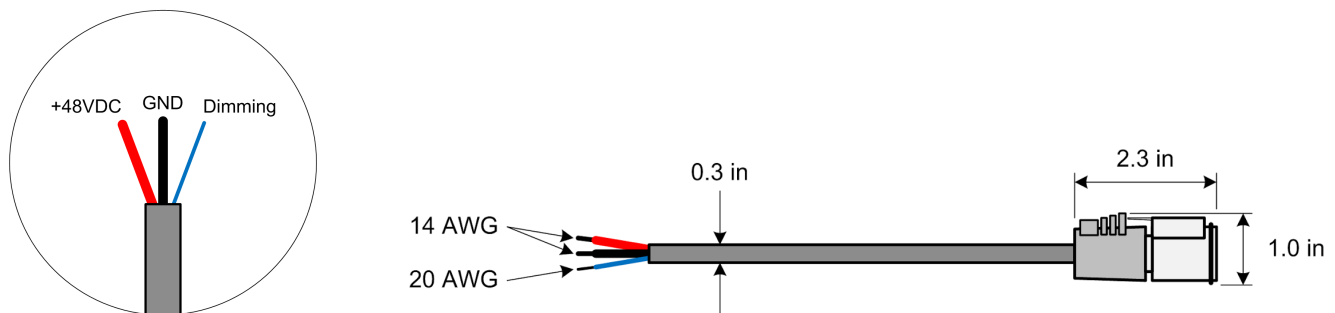
6. Attach the End Cap

Ensure the last fixture in every daisy chain is capped. Each leader cable is packaged with an end cap. Failure to cap the fixture will result in water ingress.

7. Connect the Leader Cable and Power Supply

The preconfigured lighting packages (ie. GG-WPX16, GG-WPX32, or GG-WPX48) include HLG series power supplies, which are rated for wet location use. When mounting the supply in wet locations, be sure to use the provided liquid-tight non-metallic cord connectors to connect the leader cable to the power supply. Refer to figures 2.1 and 2.2.

Many custom applications use the higher power RSP-750 power supply. When using this supply, the leader cable will need to be extended using the proper gauge wire. The wire gauge required will depend on the load and the run length. Please reference table 3.2.



Figures 7.1 and 7.2: Leader cable dimensions and wiring

8. Turn the power ON