



INSTRUCTIONS PERTAINING TO RISK OF FIRE OR INJURY TO PERSONS. READ ALL INSTRUCTIONS. IMPORTANT SAFETY INSTRUCTIONS. SAVE THESE INSTRUCTIONS.

DANGER - RISK OF SHOCK - DISCONNECT POWER BEFORE INSTALLATION! Please read all instructions before installation.

- Keep these instructions for future reference.
- Must be installed by a qualified electrician in accordance with national and local standards. Designplan is not responsible for fixtures installed without regard to these standards.
- The main power connection must be in accordance with local electrical codes.
- Unauthorized alterations or tampering of product voids warranty.
- Suitable for OUTDOOR applications.



Electrical Connections – Important Guidelines

This is a **low-voltage fixture** and requires correct wiring for safe and reliable operation. Please follow the guidelines below:



**IP65 IK08
IP40(N3-E) IK05(N3-E)**

- **Always review all labels and fixture markings** to ensure proper connection to the power driver.
- **LowVoltage Fixtures may be wired in Parallel or Series**, depending on the system design. In all cases, **observe correct polarity** for every connection.
- Refer to the **wiring diagram provided in this installation manual** to confirm proper connection methods.
- **Select a power supply** that matches the required **input voltage** and is rated for the **total power consumption** of all connected fixtures.
- **Do not energize the system** until **all fixtures are properly connected**.
- Power supplies must be installed in **well-ventilated areas**, away from heat sources. Inadequate ventilation may prevent proper heat dissipation and result in overheating or failure.
- Use only **Class 2 electronic power supplies** that comply with applicable safety standards.
- **Do not place switches on the secondary (output) side** of the power supply, as this can lead to malfunction or damage.

ATTENTION: For Wall / Ceiling - It is the contractor's responsibility to caulk around all the edges between the fixture and the mounting surface to satisfy wet label requirements.

Maintenance

Scheduled maintenance must be carried out once a year on all lighting devices, regardless of appliance class and type of use. It must include the following operations:

- Periodically clean fixtures to remove dirt from gratings and screw heads.
- Check tightness of screws on various parts of the device.
- Check that all cable glands and cables are intact and tight. Check that the glass or plastic lens is intact, and replace it if broken or damaged.
- The internal components such as the ballast, driver, washers and screws must not show clear signs of oxidation or rust. Clear traces of rust and oxidation will indicate the presence of water inside the device.
- In the case of damage, the components must be replaced by original components or spare parts.

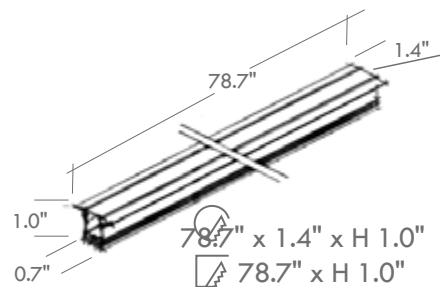
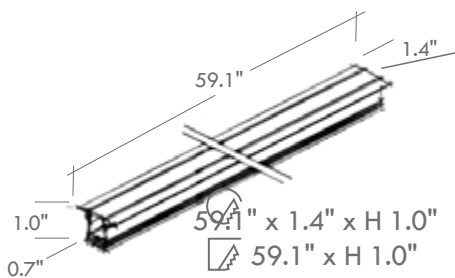
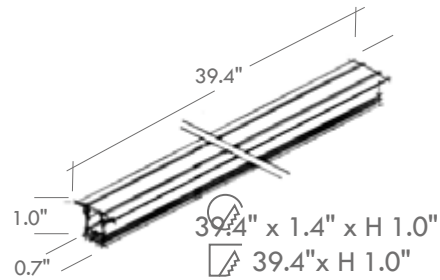
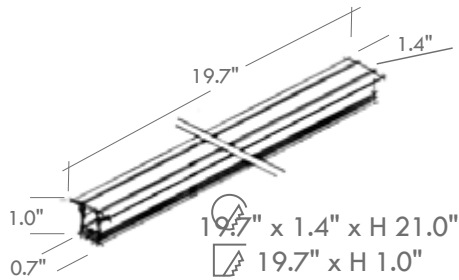
N3-65 AND N3-E

19.2W PER 3.28' (1), REMOTE 24VDC

installation instructions

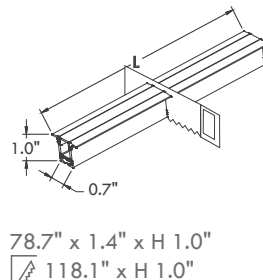
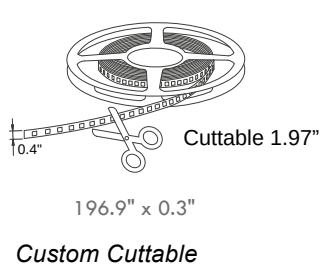
FIXTURE DIMENSIONS - N3-65 *(Complete Fixtures with LEDs)*

Standard Lengths



FIXTURE DIMENSIONS - N3-E

(Empty Fixture, Field Cuttable - LED Strip Sold Separately)



ACCESSORIES - Installation



LM30.104616.US
(78.7" length)
Housing for Custom Cuttable

ACCESSORIES

Installation - **REQUIRED**



LM20.104612
Aluminum closing cap
Size 1.4" x 0.4" x 0.1"

SOLD INDIVIDUALLY
Order 2 per fixture

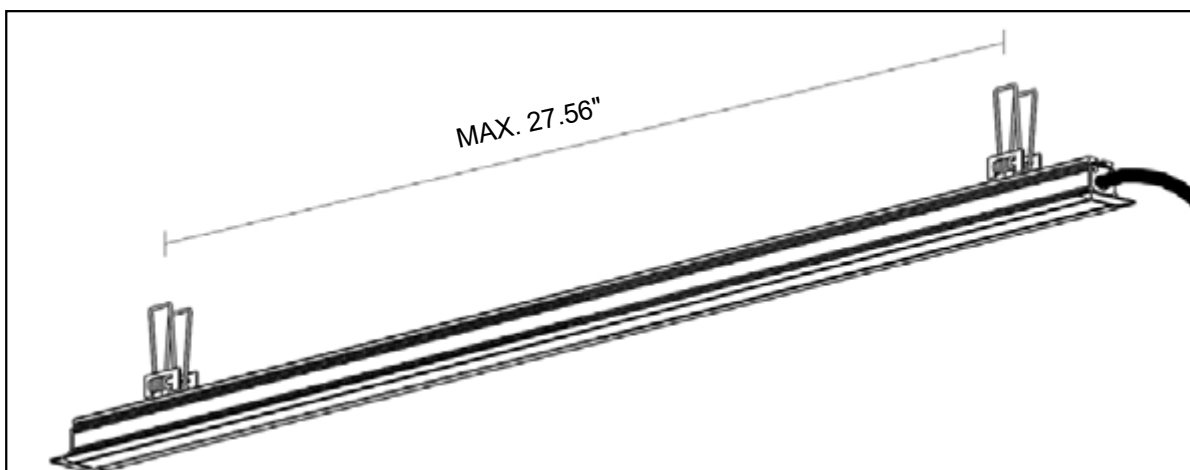
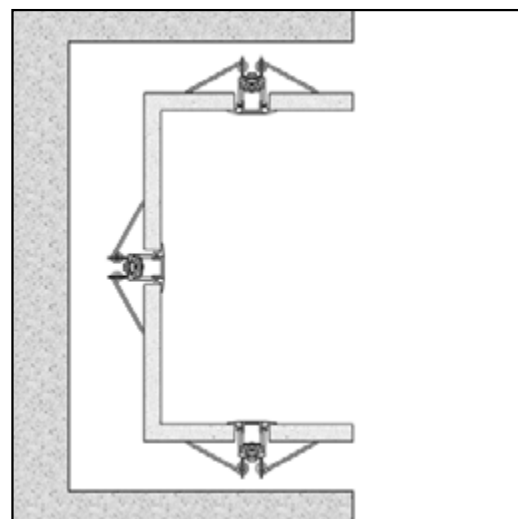
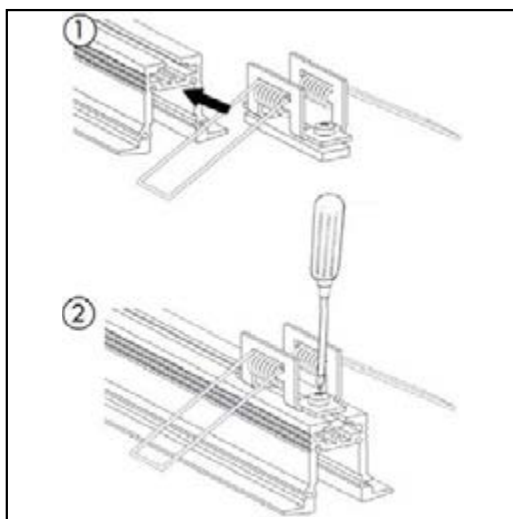
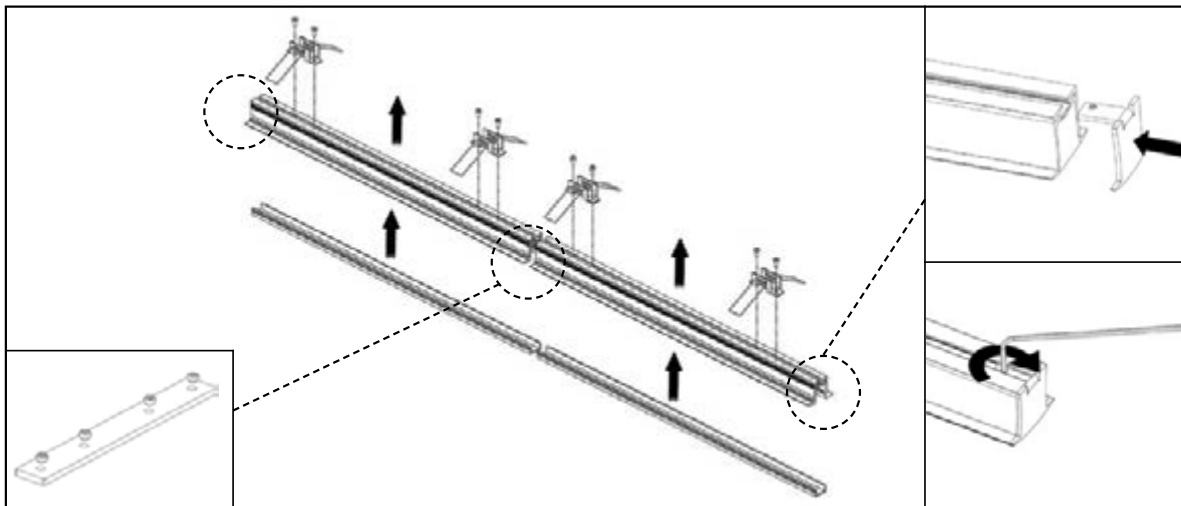


LM20.104613
Metal connector
For continuous row

N3-65 AND N3-E

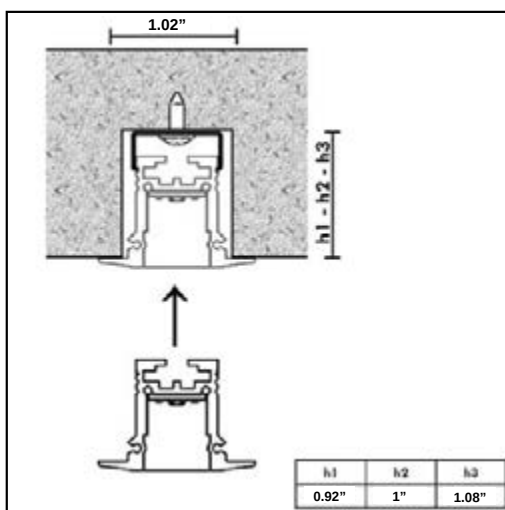
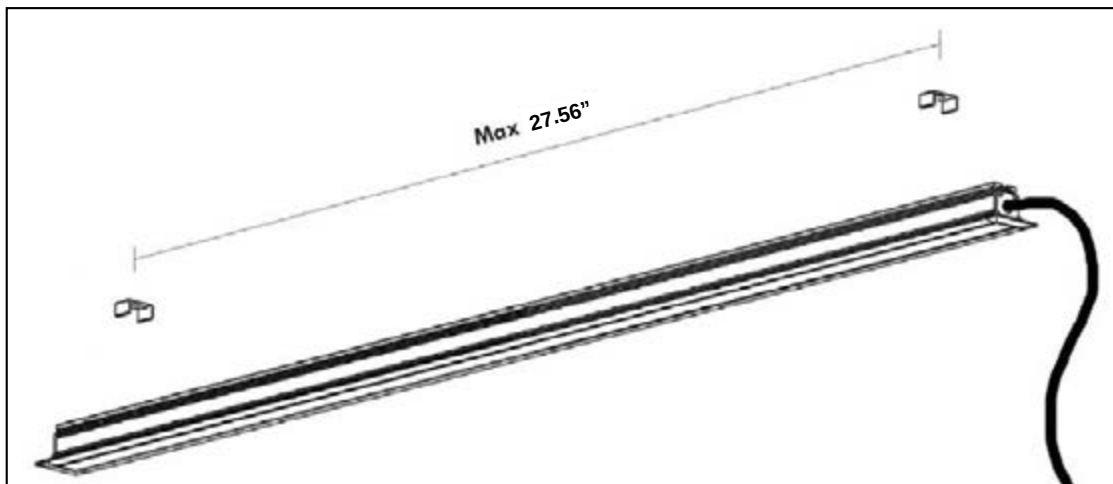
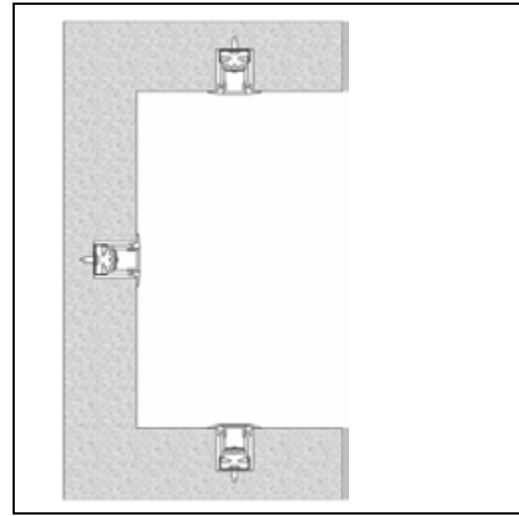
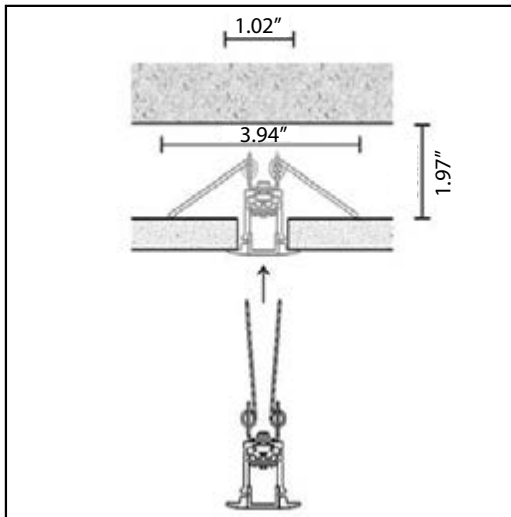
19.2W PER 3.28' (1 M), REMOTE 24VDC

INSTALLATION



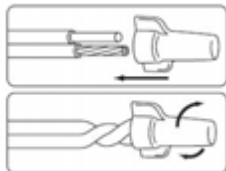
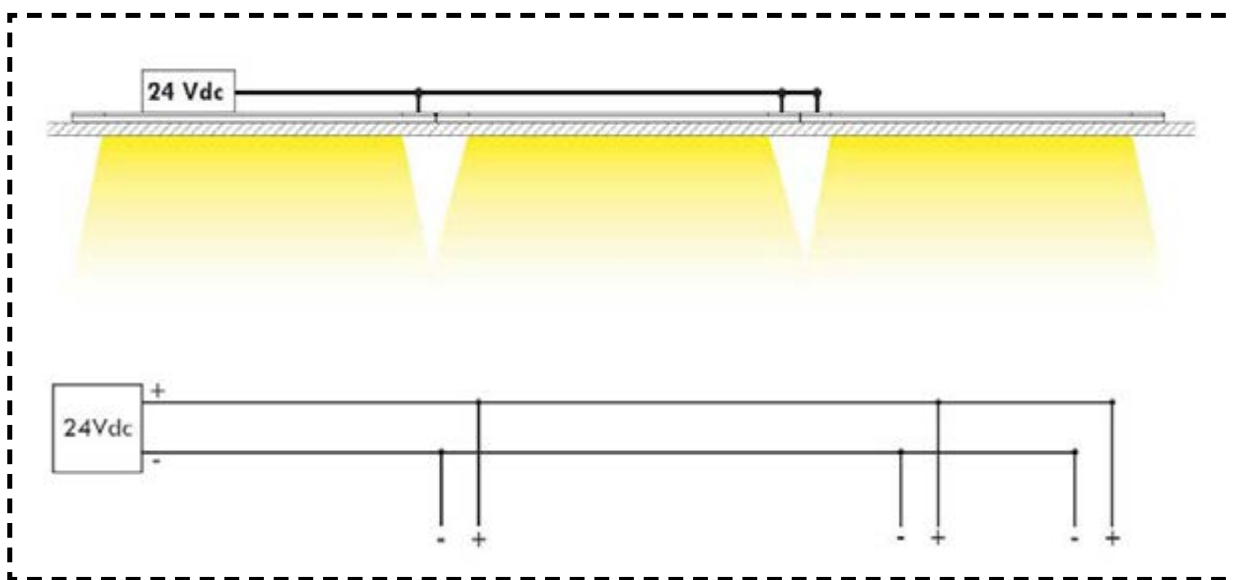
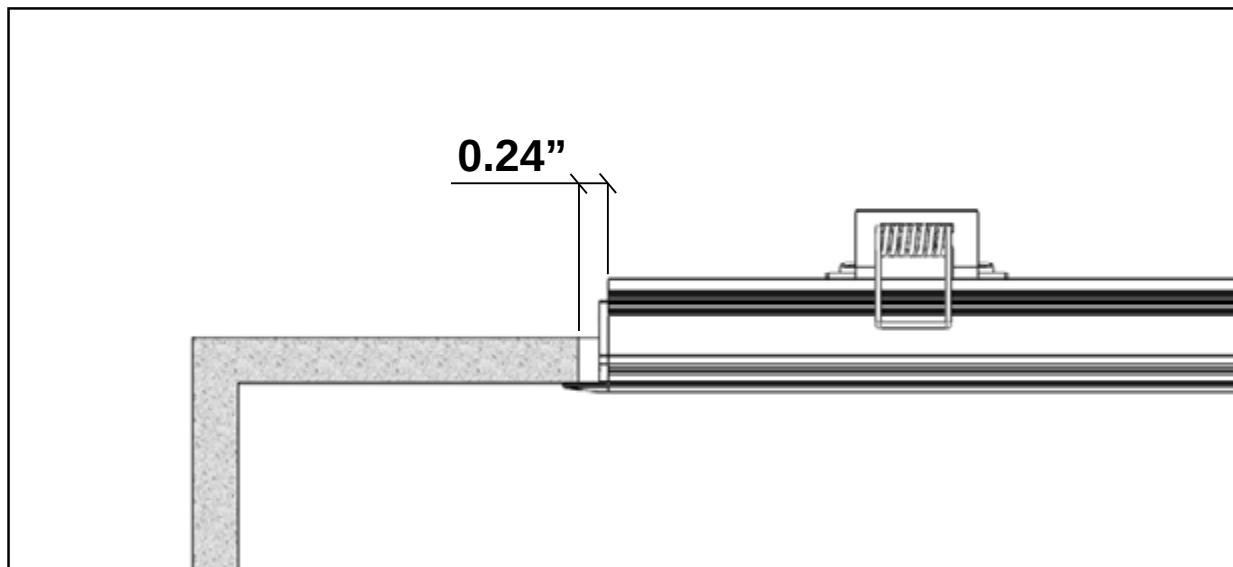
N3-65 AND N3-E

19.2W PER 3.28' (1 M), REMOTE 24VDC



N3-65 AND N3-E

19.2W PER 3.28' (1 M), REMOTE 24VDC



- It is the contractor's responsibility to caulk around all seams of fixture to satisfy wet label requirements. It is the contractor's responsibility to install Remote Driver in a suitable Electrical Enclosure!!!
- Use wire-nuts for wire connections.

N3-65 AND N3-E

19.2W PER 3.28' (1 M), REMOTE 24VDC

Wiring Diagram

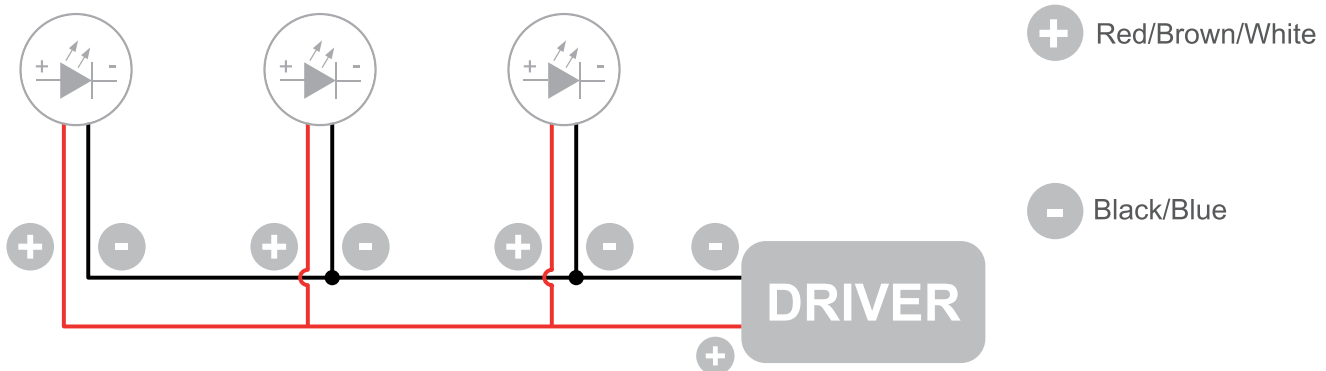
Single Fixture Connection:

24VDC



Multiple Fixtures Connection in Parallel:

24VDC



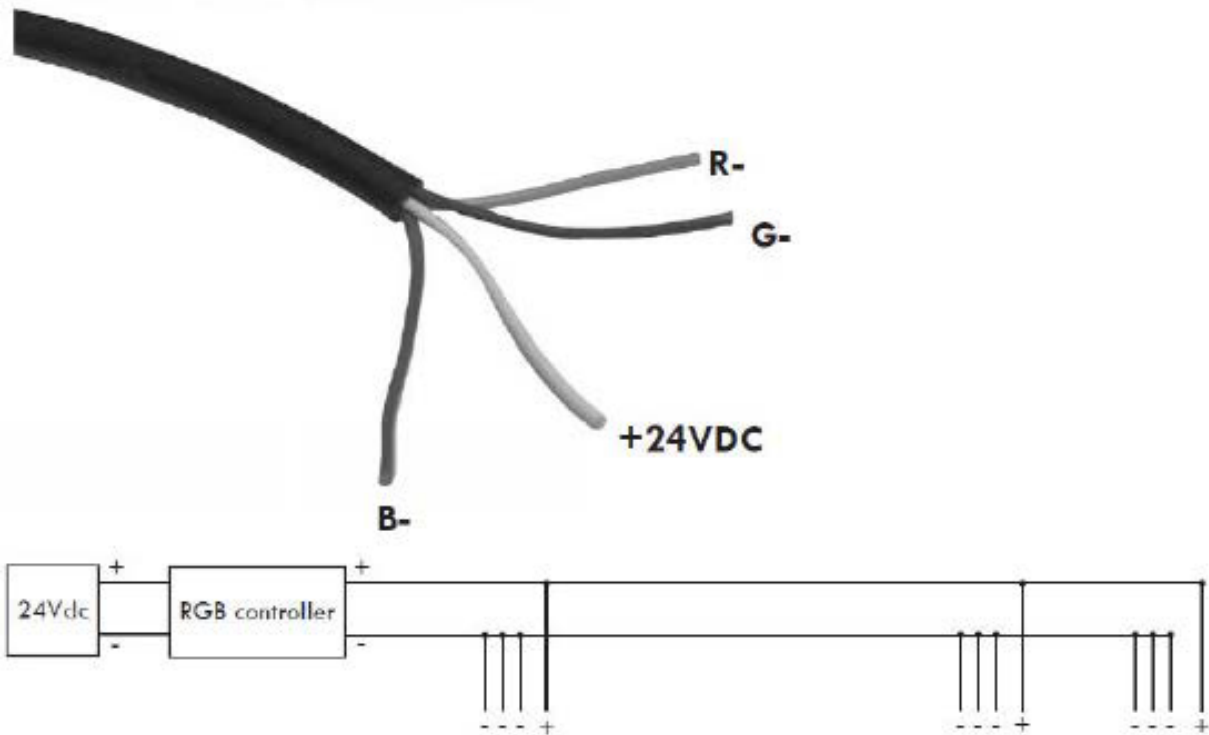
The individual lamps must be connected in parallel. Only power up the system once all the lamps have being connected.

- Only power up the system once all the lamps are connected. Connecting an individual lamp to an active power supply may cause the lamp to break due to over-voltage.
- Lamps and power supply units must be installed in well-ventilated boxes or locations to allow a natural heat diffusion and avoid the devices overheating.
- On the power system, install a surge protection device to reduce the intensity of any voltage spikes to protect the lighting fixtures from the risk of damage.
- Fixture NOT suitable for covering with thermally insulating material.

N3-65 AND N3-E

19.2W PER 3.28' (1 M), REMOTE 24VDC

VERSION RGB - RGB VERSION -



VERSION RGBW - RGBW VERSION -

