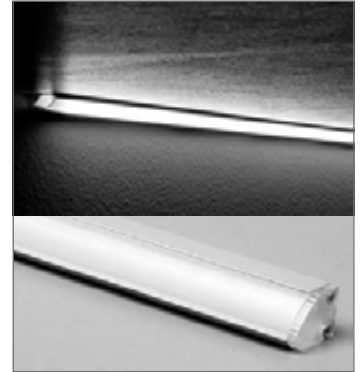




INSTRUCTIONS PERTAINING TO RISK OF FIRE OR INJURY TO PERSONS. READ ALL INSTRUCTIONS. IMPORTANT SAFETY INSTRUCTIONS. SAVE THESE INSTRUCTIONS.

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:

- **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.



**IP65 IP40 (N2-E)
IK08 IK05 (N2-E)**

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.

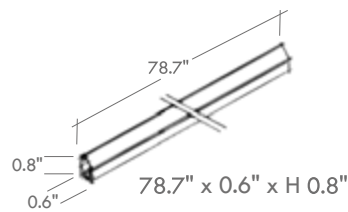
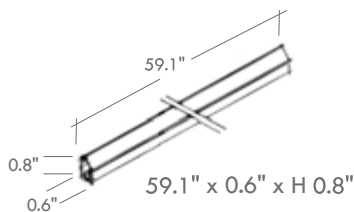
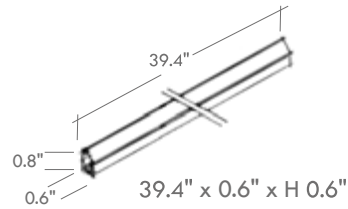
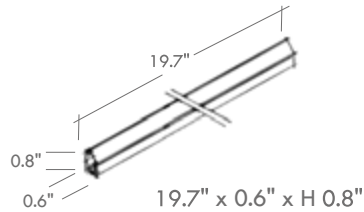
N4-65 AND N4-E

19W PER 3.28' (1 M), Remote 24VDC

installation instructions

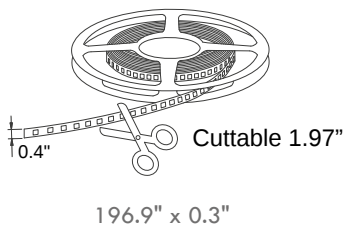
FIXTURE DIMENSIONS - N4-65 *(Complete Fixtures with LEDs)*

Standard Lengths

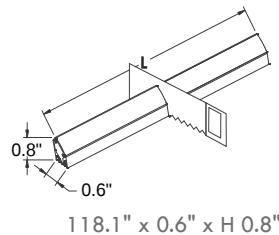


FIXTURE DIMENSIONS - N4-E

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



Custom Cuttable



ACCESSORIES - Installation



LM30.104630.US

(118.1" length)

Housing for Custom Cuttable

ACCESSORIES

Installation - **REQUIRED**



LM20.104625

Fixing Clips
in chromed iron

REQUIRED



LM20.104626

Aluminum closing
end cap
Size 0.8" x 0.6" x 0.1"

REQUIRED

SOLD INDIVIDUALLY

Order 2 per fixture



LM30.104627

Aluminum closing
end cap with cable
exit hole

REQUIRED

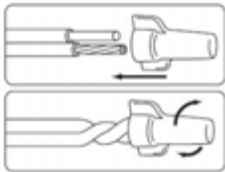
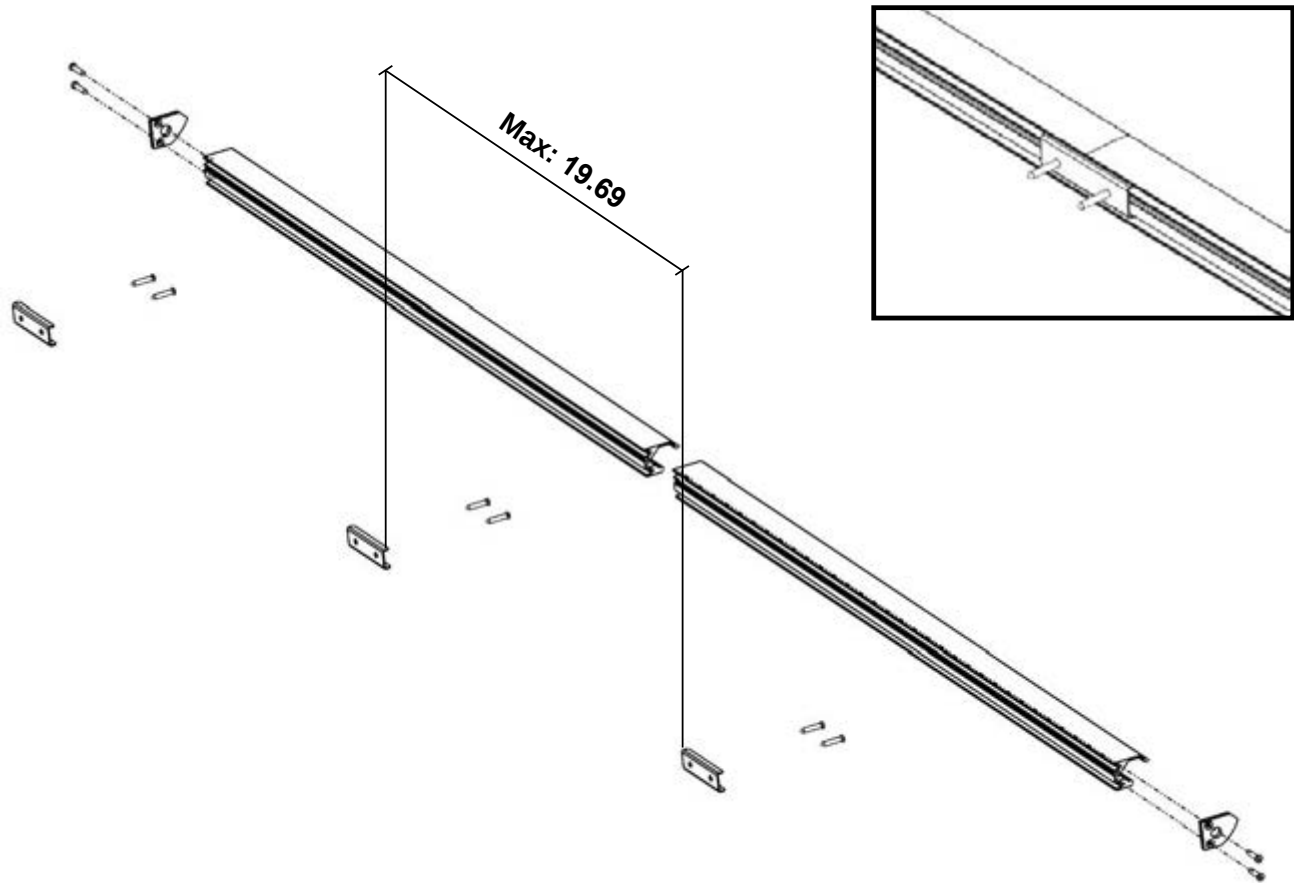
N4-65 AND N4-E

19W PER 3.28' (1 M), Remote 24VDC

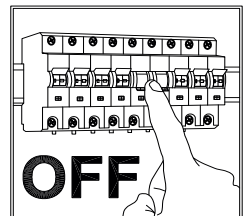
designplan®

installation instructions

FIXTURE INSTALLATION



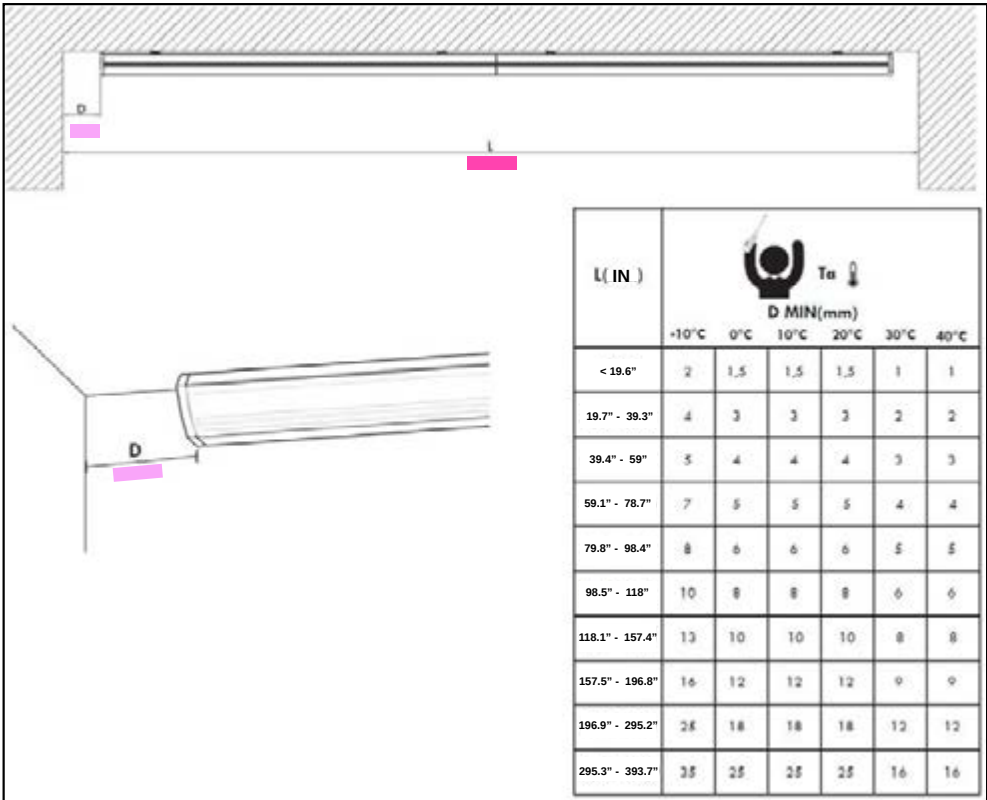
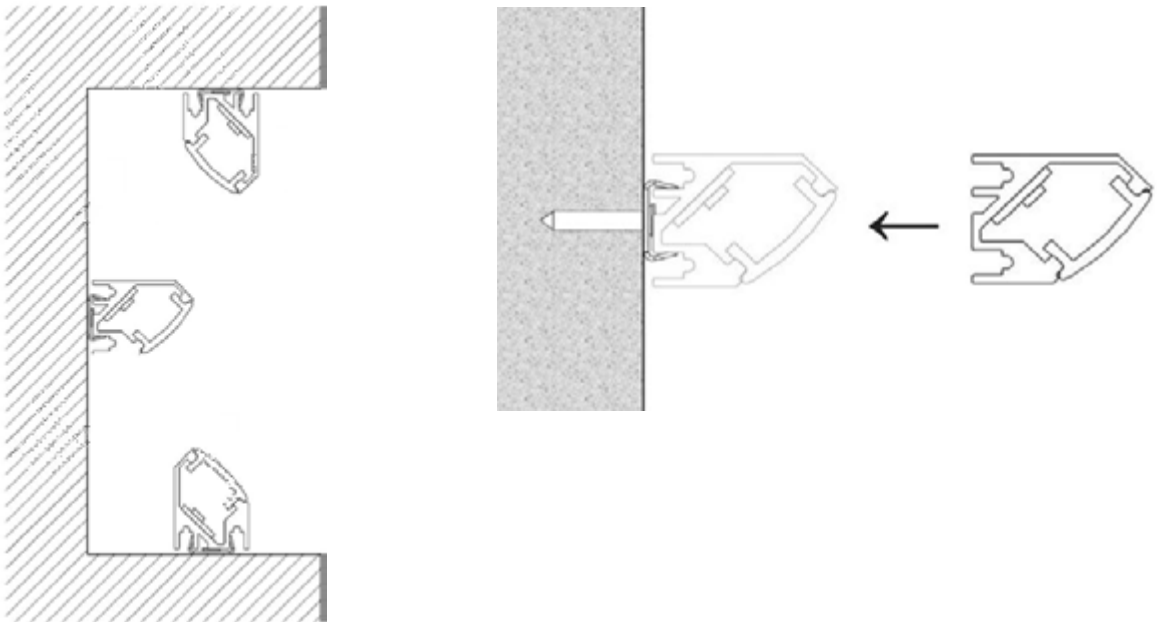
- Use wire-nuts for wire connections.
- It is the contractor's responsibility to caulk around all seams of fixture to satisfy wet label requirements.
- It is the contractor's responsibility to install Remote Driver in a suitable Electrical Enclosure!!!



N4-65 AND N4-E

19W PER 3.28' (1 M), Remote 24VDC

FIXTURE INSTALLATION

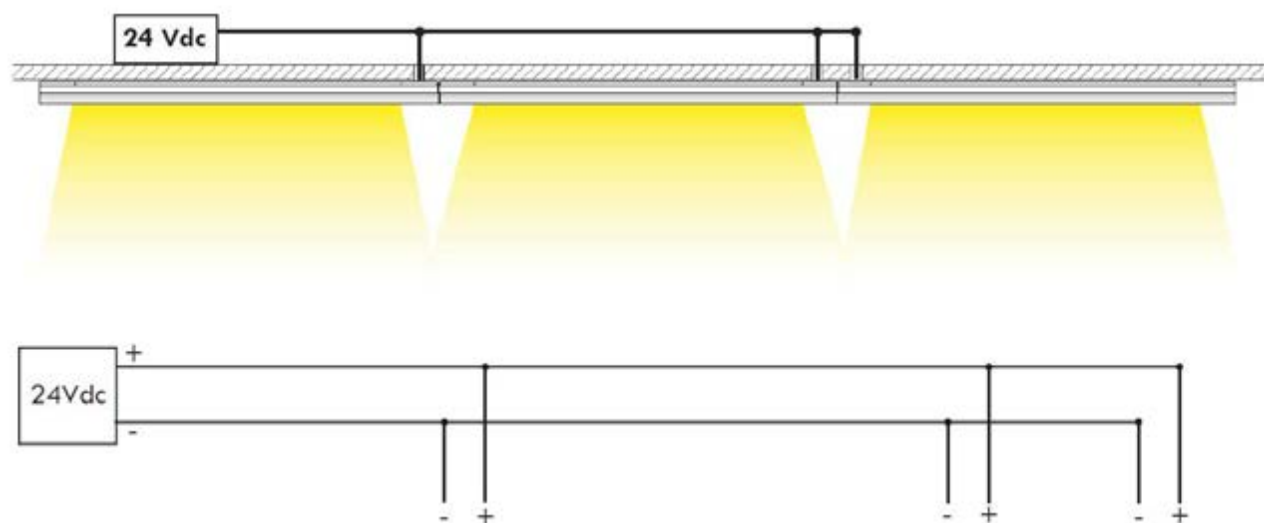


N4-65 AND N4-E

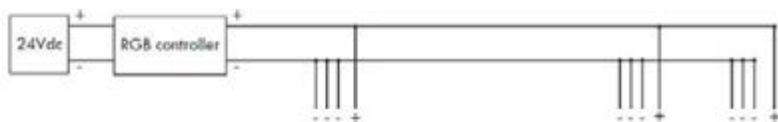
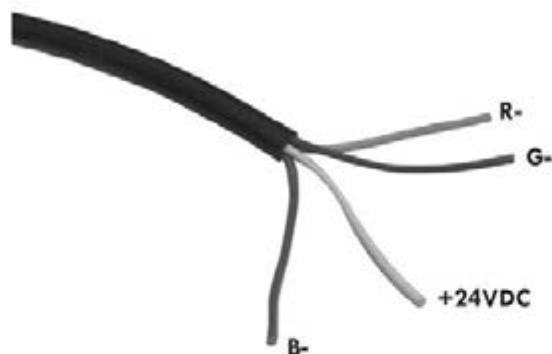
19W PER 3.28' (1 M), Remote 24VDC

designplan®

installation instructions



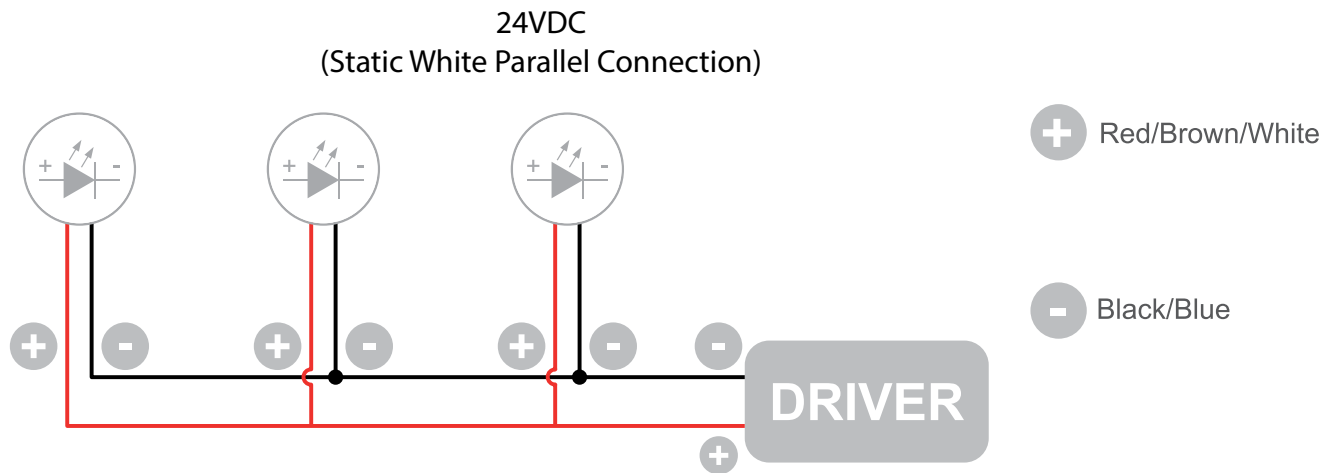
RGB VERSION



CABLE OUTPUT



Wiring Diagram



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

LED Power Supply and Installation Guidelines

This **LED fixture operates on constant current**, and proper selection and installation of the power supply are critical to ensure performance and longevity.

- When selecting a power supply unit, ensure it matches the **required drive current** and supports the **maximum power consumption** of the connected fixtures.
- **Power on the system only after all fixtures are connected.** Connecting a single fixture to an active power supply may result in **over-voltage damage** to the LED.
- While **constant current power supplies** can compensate to some extent for **voltage drop** over longer cable runs, it is recommended to **limit cable length to 100 feet** to maintain performance.
- Fixtures and power supplies must be installed in **well-ventilated areas or enclosures** to allow for **natural heat dissipation** and prevent overheating.
- A **surge protection device** should be installed on the power system to help prevent damage from voltage spikes.
- This fixture is **not suitable for installation under thermal insulation materials**, as this can cause overheating and potential failure.