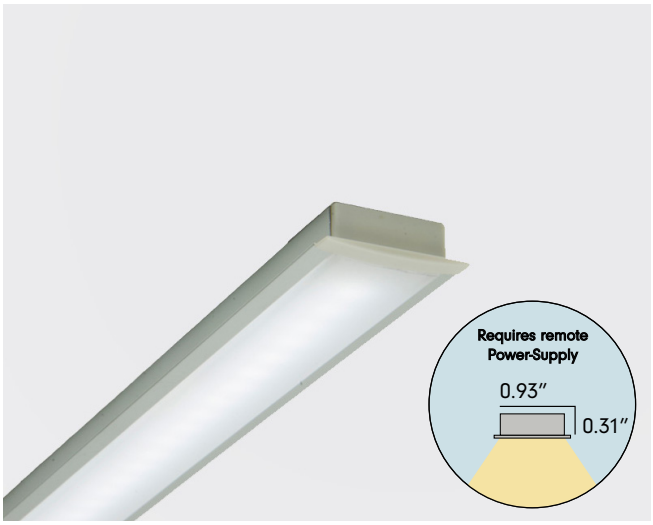
# Linear LED Fixture Spec Sheet




Custom built and tailor made to your specs. Our **LEDBARIIO3** is a slim and compact low-voltage linear LED fixture suitable for a wide variety of recessed linear lighting applications. Its slim and compact low-profile design makes it an excellent solution for under cabinet lighting, cove lighting, and any under counter lighting solutions.

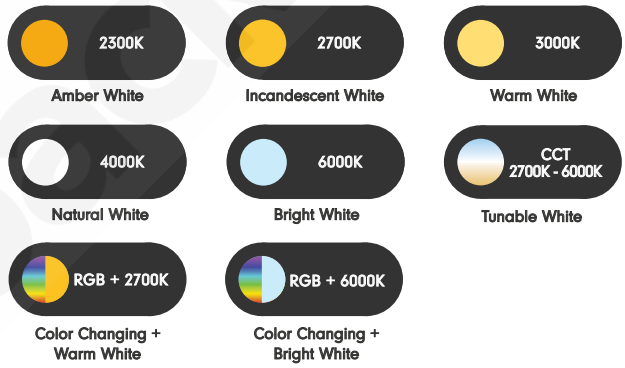
It is conveniently available in a wide range of color options, and can be built to any custom size up to 96" as one continous runs. Longer runs can be acheived through linkable or custom configurations.

## Specifications

*[XX] denotes color temperature

| | |
|---|---|
| **Part#** | LEDBARIIO3-XX-YY |
| **Sizes** | 2ft, 4ft, 6ft, 8ft, Custom |
| **Input Voltage** | 12VDC or 24 VDC |
| **Light Output** | SO: 200Lumens/ft HO: 400Lumens/ft |
| **Efficiency** | 80 Lumens/Watt, 76 Lumens/Watt |
| **Color Rendering** | >90 CRI, >95 CRI |
| **Environment** | Dry or Damp Locations |
| **Warranty** | 5-Year |
| **Lifetime** | 70,000+Hours |
| **Listings** | UL-Listed |
| **Dimming** | 0-10V Dimmable, Phase/TRIAC |
| **Light Distribution** | Down Light |

## Available Colors

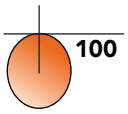



*Custom Available Upon Request

## Features

- Tailor Made to Your Specs!
- Plaster Bead for Smooth Seamless Recession.
- Standard >90 CRI, CRI>95 available!
- Trimless Design and Ultra Compact Dotless Design.
- Easily Install using provided mounting clips.
- Dimmable (Pair with Dimmable Driver).
- Made in the **USA** Quick Ship!
- **UL-Listed**.

## Light Distribution




## Typical Lumen Table

| Product Size | SO | HO |
|---|---|---|
| 2ft | 400 LM / 6W | 400 LM / 12W |
| 4ft | 800 LM / 12W | 800 LM / 24W |
| 6ft | 1,200 LM / 18W | 1,200 LM / 36W |
| 8ft | 1,600 LM / 24W | 1,600 LM / 48W |

*Based on standard sizes with 4000K Color Temperature

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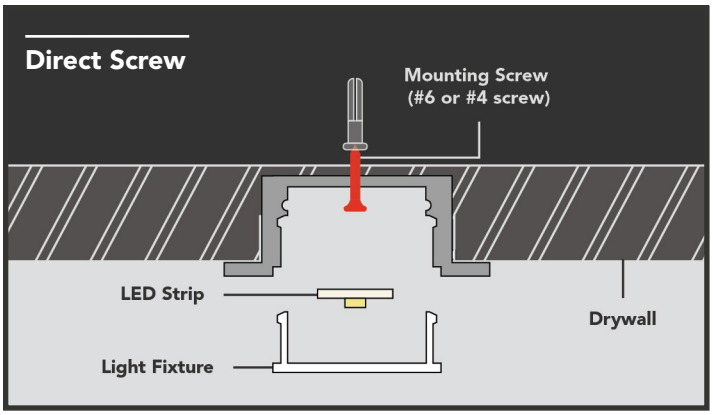


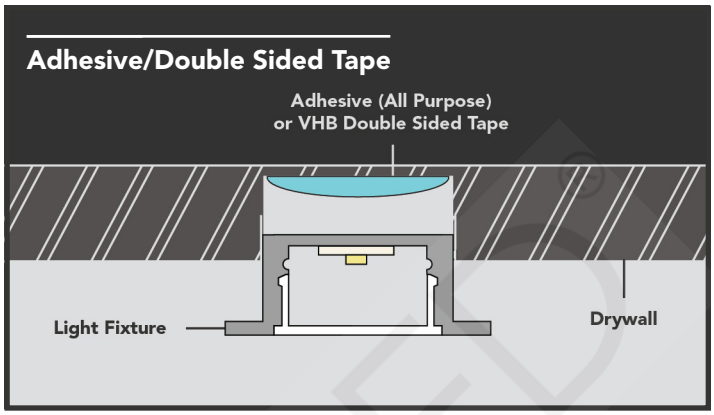


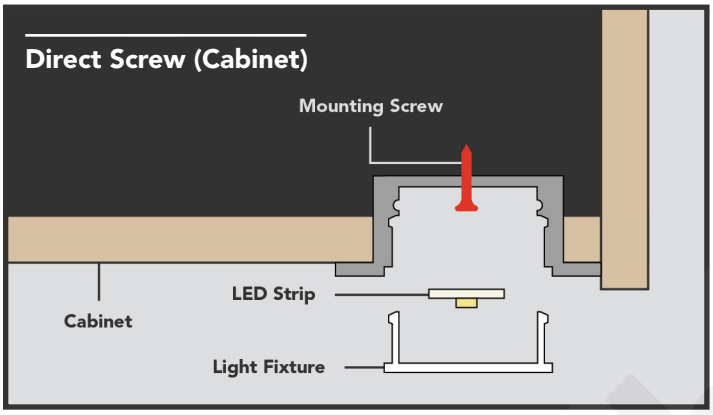


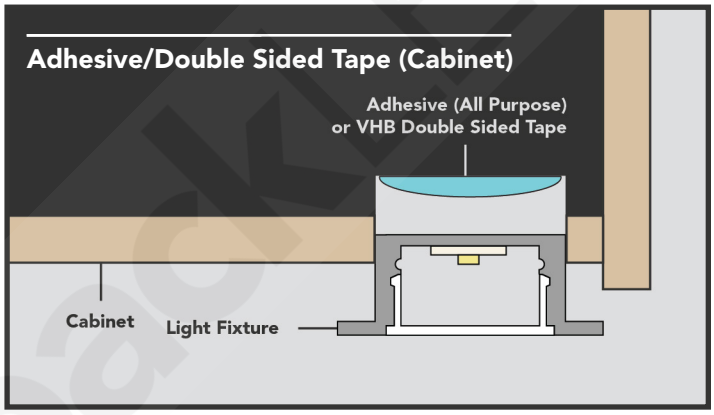


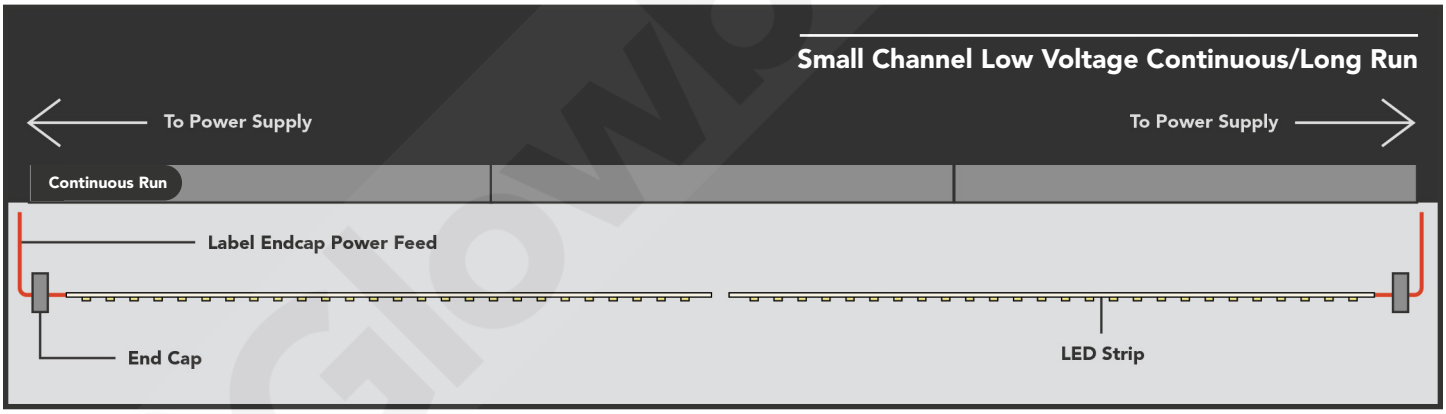


**Direct Screw**
*Make sure to counter-sink screws so that the LED strip has a flat surface to stick onto throughout. We recommend using #6 or #4 screws.

**Small Channel Low Voltage Continuous/Long Run**
*For smaller LED channels we will send you the LED strip and channel separately. First you install the aluminum channel, the endcap is already affixed to the LED strip and should be installed with the aluminum channel leaving the LED strip hanging down from either end. The continuous run will have a power feed at each end and the LED strips will meet in the middle. Simply peel the double sided tape from the LED strip and install inside of the channel. The Lens/Diffuser is installed last.

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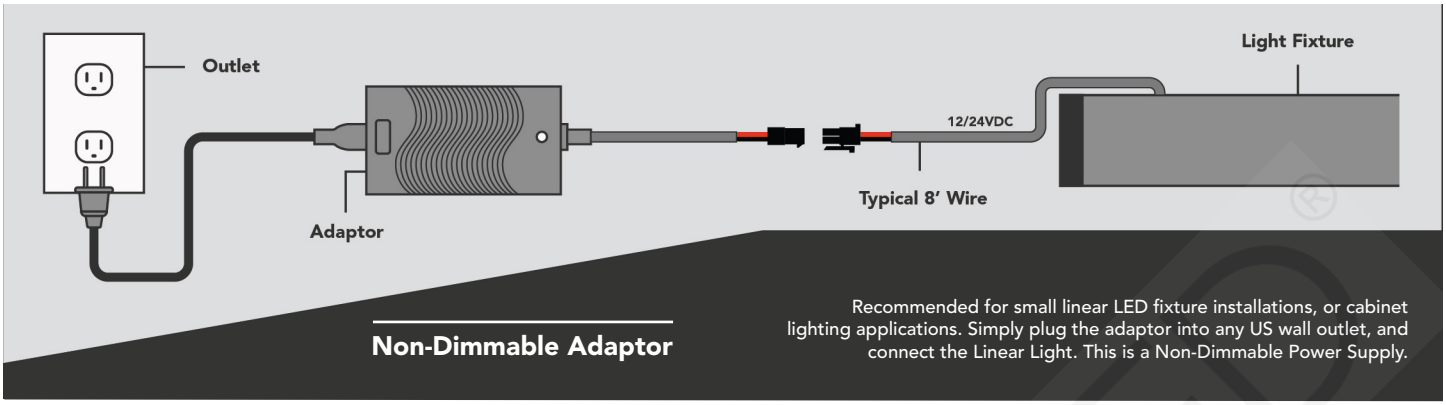
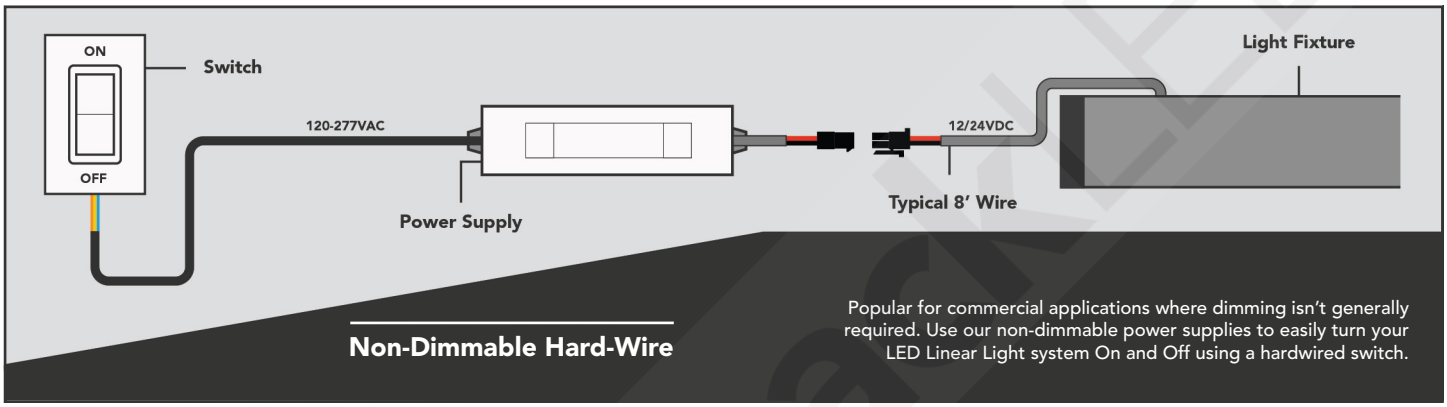
**LEDBARIIO3-XX-YY**
Recessed Mounted Linear Lighting



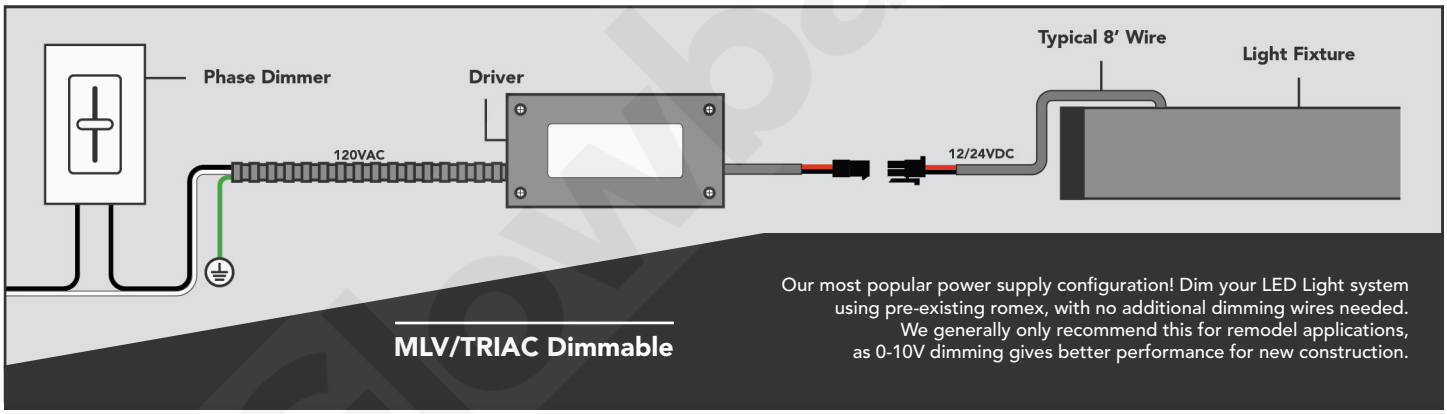

## Non-Dimmable Adaptor

Recommended for small linear LED fixture installations, or cabinet lighting applications. Simply plug the adaptor into any US wall outlet, and connect the Linear Light. This is a Non-Dimmable Power Supply.



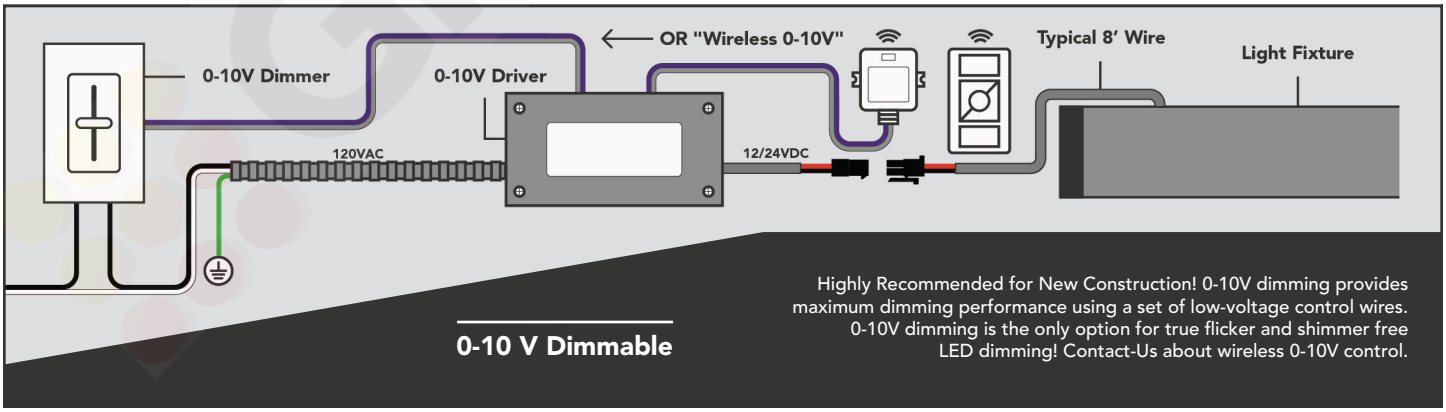

## Non-Dimmable Hard-Wire

Popular for commercial applications where dimming isn't generally required. Use our non-dimmable power supplies to easily turn your LED Linear Light system On and Off using a hardwired switch.




## MLV/TRIAC Dimmable

Our most popular power supply configuration! Dim your LED Light system using pre-existing romex, with no additional dimming wires needed. We generally only recommend this for remodel applications, as 0-10V dimming gives better performance for new construction.




## 0-10 V Dimmable

Highly Recommended for New Construction! 0-10V dimming provides maximum dimming performance using a set of low-voltage control wires. 0-10V dimming is the only option for true flicker and shimmer free LED dimming! Contact-Us about wireless 0-10V control.

All of our LED Panels require a remote power supply and/or controller to operate. Seamlessly integrate our LED Panel systems with any type of home or building automation system. Unless otherwise specified, all LED Panel systems, including power supplies and controllers are shipped to you pre-configured, to facilitate installation. Power-Supplies will come "rigged" with connectors to match the connectors coming off the LED panels. When ordering, simply give us some details about the level of control that you want, and our team will design a turn-key control system fit to meet your needs.

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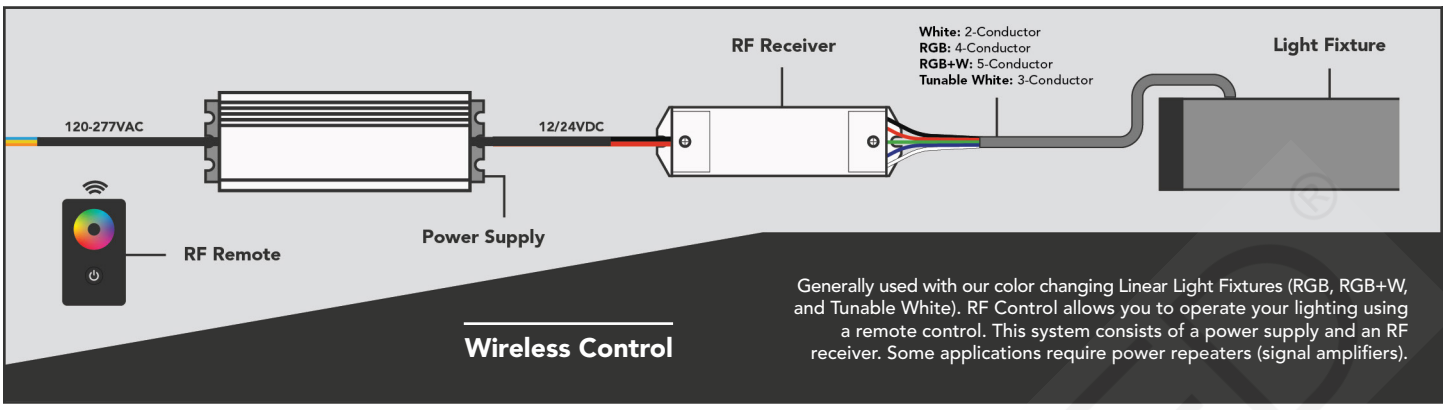
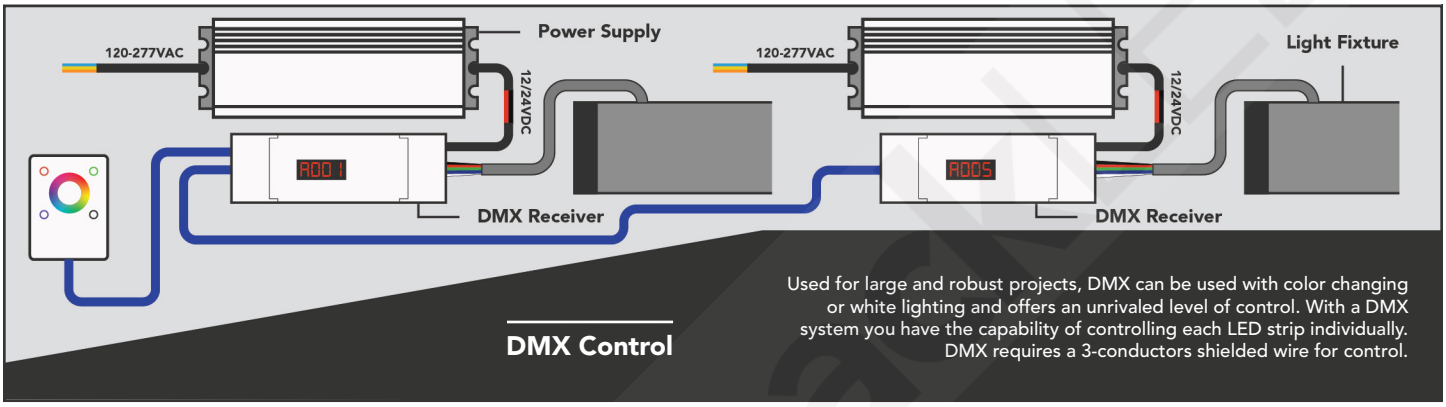
# LEDBARIIO3-XX-YY

Recessed Mounted Linear Lighting



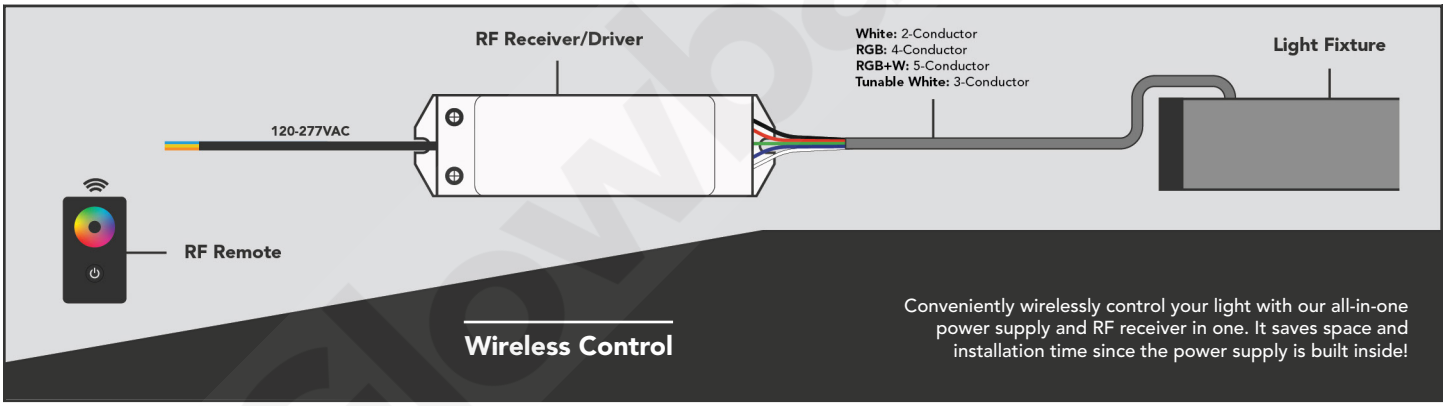

## Wireless Control

Generally used with our color changing Linear Light Fixtures (RGB, RGB+W, and Tunable White). RF Control allows you to operate your lighting using a remote control. This system consists of a power supply and an RF receiver. Some applications require power repeaters (signal amplifiers).



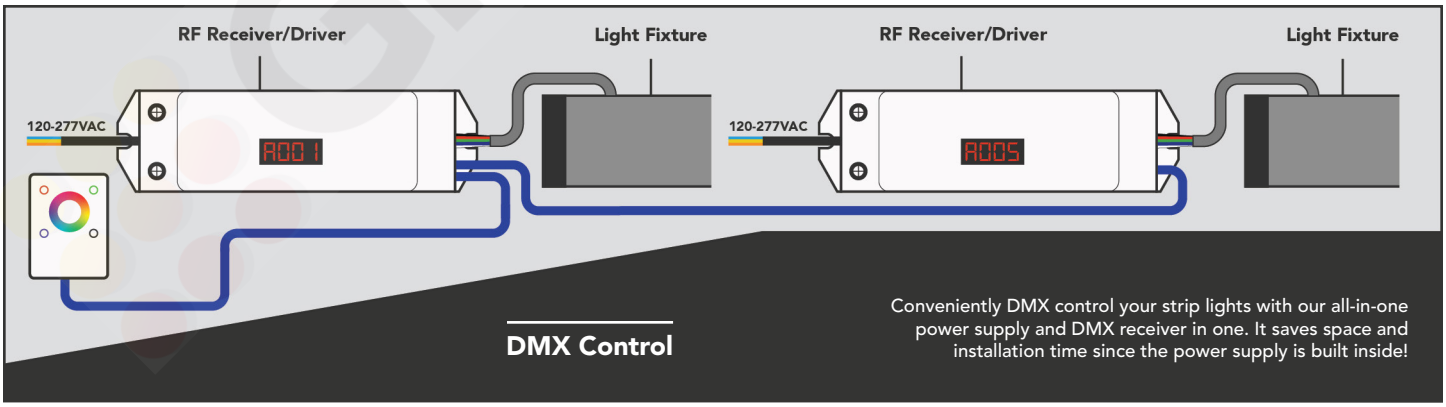

## DMX Control

Used for large and robust projects, DMX can be used with color changing or white lighting and offers an unrivaled level of control. With a DMX system you have the capability of controlling each LED strip individually. DMX requires a 3-conductors shielded wire for control.




## Wireless Control

Conveniently wirelessly control your light with our all-in-one power supply and RF receiver in one. It saves space and installation time since the power supply is built inside!




## DMX Control

Conveniently DMX control your strip lights with our all-in-one power supply and DMX receiver in one. It saves space and installation time since the power supply is built inside!

All of our LED Panels require a remote power supply and/or controller to operate. Seamlessly integrate our LED Panel systems with any type of home or building automation system. Unless otherwise specified, all LED Panel systems, including power supplies and controllers are shipped to you pre-configured, to facilitate installation. Power-Supplies will come "rigged" with connectors to match the connectors coming off the LED panels. When ordering, simply give us some details about the level of control that you want, and our team will design a turn-key control system fit to meet your needs.

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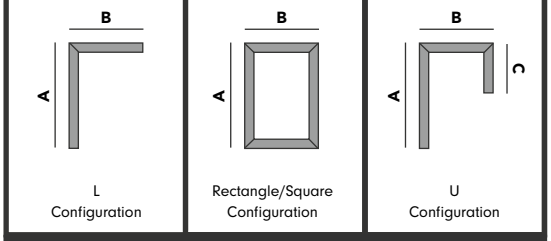
## Master Product Code Builder

| | |
|---|---|
| **Prefix** | **LEDBAR** |
| **Profile** | **IIO3** |
| **Output** | |
| 200 Lumens/ft | II |
| 400 Lumens/ft | II |
| **Size** | |
| 2ft | 24 |
| 4ft | 46 |
| 6ft | 68 |
| 8ft | 90 |
| Custom | *enter in inches* |
| Continous | CR |
| Custom Shape | CS |
| **Color** | |
| 2300K | AW |
| 2700K | IW |
| 3000K | WW |
| 4000K | NW |
| 6000K | BW |
| Custom | *enter CCT value* |
| RGB+6000K | RGBW |
| RGB+2700K | RGBWW |
| Tunable White | CCT |
| **CRI** | |
| 80+ | *leave blank* |
| 90+ | 90 |
| 95+ | 95 |
| **Mount Type** | |
| Direct Screw | A |
| Adhesive | D |
| Double Sided Tape | E |
| **Voltage** | |
| 12VDC | *leave blank* |
| 24VDC | 24 |
| **Dimming/Control** | |
| 0-10V | *leave blank* |
| Phase/TRIAC | TRIAC |
| DMX | DMX |
| **Emergency** | |
| None | *leave blank* |
| EM Back Up | *EM* 4ft min for EM* |
| **Run Type** | |
| Single | *leave blank* |
| C/R (Strip and Profile Separate | SPS |
| NA | *leave blank* |
| **Shapes** | |
| NA | *leave blank* |
| Standard Shape | S/S |
| Custom Shape | C/S |

## Standard Shapes




L Configuration | Rectangle/Square Configuration | U Configuration

*More custom shapes are available upon request

## Custom Shapes

X Configuration | T Configuration | Hexagon Configuration | Triangle Configuration | Linear Abstract Configuration

*More custom shapes are available upon request

## Controller and Power Supply Options

| | | |
|---|---|---|
| **Non-Dimmable Adaptor** | 24V 36W | 24V36WAPT |
| | 24V 60W | 24V60WAPT |
| **Non-Dimmable Hardwire** | 24V 36W | 24V36WHOD |
| | 24V 96W | 24V4ALP13 |
| **Phase Dimmable** | 24V 30W | MUD24V30W |
| | 24V 60W | MUD24V60W |
| | 24V 96W | MUD24V96W |
| | 24V 192W (2 x 96W) | MUD24V192W |
| | 24V 288W (3 x 96W) | MUD24V288W |
| **0-10V/Triac Dimmable (All-in-One)** | 24V 60W | M01024V60W |
| | 24V 96W | M01024V96W |
| | 24V 192W (2 x 96W) | M01024V192W |
| | 24V 288W (3 x 96W) | M01024V288W |
| | 24V 384W (4 x 96W) | M01024V384W |
| **Non-Dimmable Hardwire for RF/DMX** | 24V 96W MeanWell | MWHLG100H24A |
| | 24V 150W* MeanWell | MWHLG150H24A |
| **RF Receiver and Remotes** | RF Receiver (12-24V Input) | BG1009FA |
| | Power Repeater (12-24V Input) | BG3002 |
| **DMX Receivers** | DMX Receiver (12-24V Input) | BG2108FA-4CH |
| | DMX Receiver (12-24V Input) w/ XLR and RJ45 Connectors | BG2108A-M5-5 |
| **All-In-One Built in Power Supply Receivers** | RF Receiver (100-277VAC Input) 96W | BG1009FA-96CVF-24 |
| | DMX Receiver (100-277VAC Input) 96W | BG2108-96CVF-24 |
| **DMX Controllers** | Single Zone RGB/RGBW Touch Panel | BG2812B |
| | 3-Zone RGB/RGBW Touch Panel | BG2812-3(W) |
| | Programmable Single Zone Nicolaudie Stick GU2 | STICKGU2 |
| | Programmable Single Zone Nicolaudie Stick CW4 | STICKCW4 |
| | Programmable 10 Zone Nicolaudie Stick DE3 | STICKDE3 |

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## Project Name

## Ordering Form

| QTY | LEDBARIIO3 | Output | Size | Color | CRI | Mount Type | Voltage | Dimming/Control | Emergency | Run Type | Shapes | Project Fixture Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LEDBARIIO3 | 50 | 90 | WW | 90 | A | | | | | | ST-5 |
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## Custom Configuration Notes

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