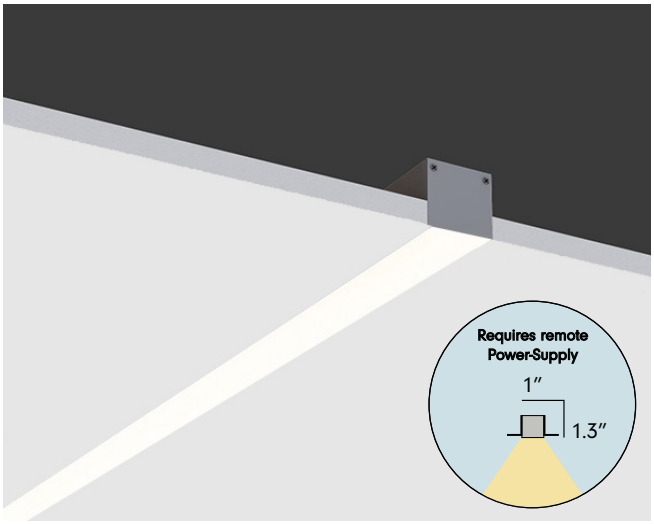
Linear LED Fixture Spec Sheet



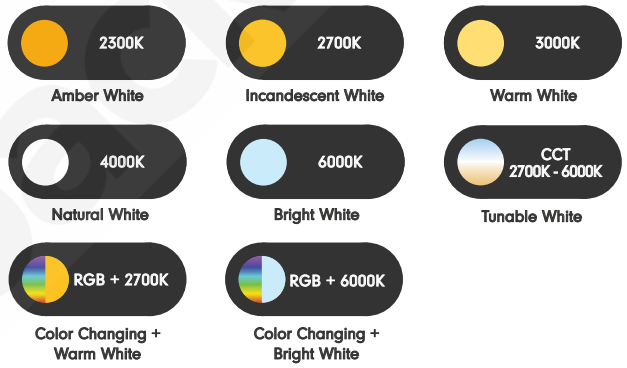
Our **LVLBYT** is a sleek and sharp, **high output 1 inch wide recessed trimless ("plaster-in") linear light fixture**. It is capable of delivering **180 or 480 lumens per foot** and can be used for a wide range of general lighting applications. Our **LVLBYT** features an integrated plaster-bead that allows one to sand and finish right up to the aperture of the light for a sleek and clean look. It is a low-voltage fixture, meaning that it only requires 1.3" of **clearance** (vs the 3 inches needed for fixtures with internal power supplies). It is also sold in **custom sizes** ranging from 1-8ft. Our **LVLBYT** can be customized to meet your needs (Contact-Us for Custom Configurations: RGB, RGBW, Tunable White, Custom Shapes).

Specifications

*[XX] denotes color temperature

Part#	LVLBYT-XX-YY-ZZ
Sizes	2ft, 4ft, 6ft, 8ft, Custom
Input Voltage	12VDC or 24 VDC
Light Output	SO: 123Lumens/ft HO: 236umens/ft
Efficiency	52 Lumens/Watt, 49 Lumens/Watt
Color Rendering	>90 CRI, >95 CRI
Environment	Dry or Damp Location
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

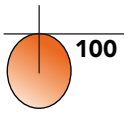
- **12VDC** or **24VDC** Input.
- 180 or 480 **lumens/ft**
- No Visible Flange when Finished.
- 0-10V **Dimmable** (with Dimmable Driver).
- 90+ **CRI** Standard, 95+ available.
- High Quality Look and Build.
- Made in the **USA** Quick Ship!
- **UL-Listed**.

Typical Lumen Table

Product Size	SO	HO
2ft	246 LM / 5W	472 LM / 10W
4ft	427 LM / 10W	905 LM / 19W
6ft	697 LM / 14W	1,338 LM / 28W
8ft	922 LM / 19W	1,770 LM / 37W

*Based on standard sizes with 4000K Color Temperature

Light Distribution



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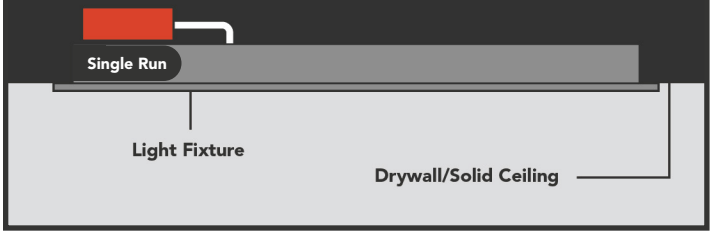
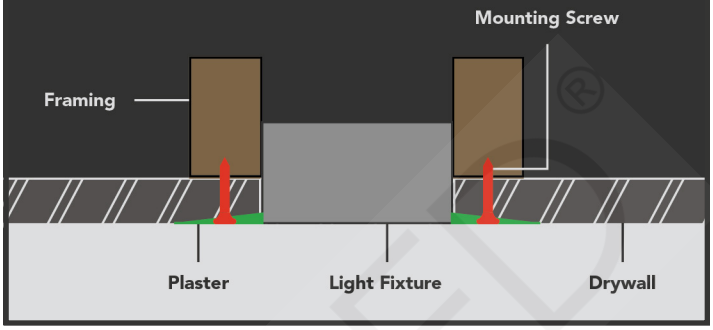
LVLBYT-XX-YY-ZZ
Recessed Mounted Linear Lighting

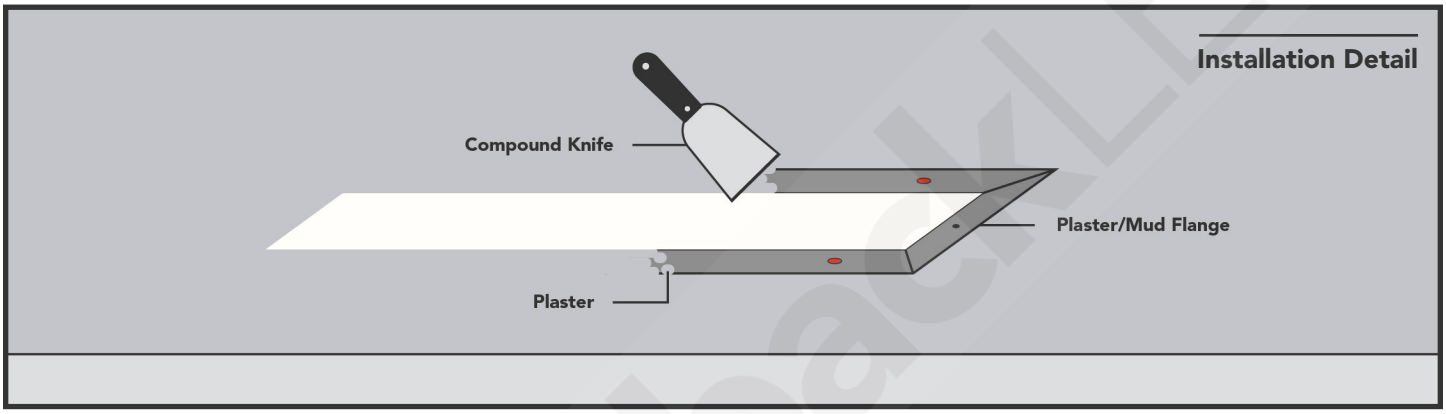
Low Voltage Single Run



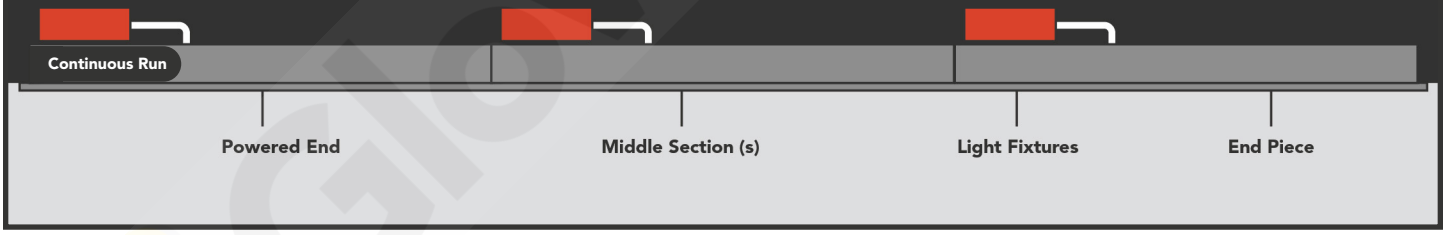
Trimless Installation



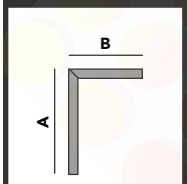
Installation Detail



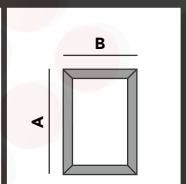
Low Voltage Continuos Run



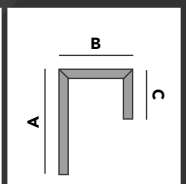
Standard Shapes



L Configuration

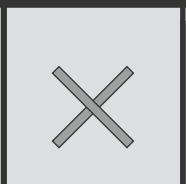


Rectangle/Square Configuration

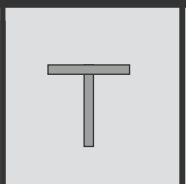


U Configuration

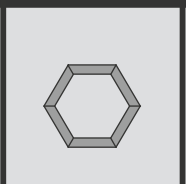
Custom Shapes



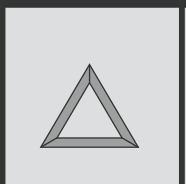
X Configuration



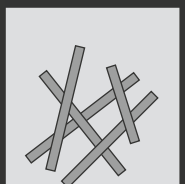
T Configuration



Hexagon Configuration



Triangle Configuration



Linear Abstract Configuration

*More custom shapes are available upon request

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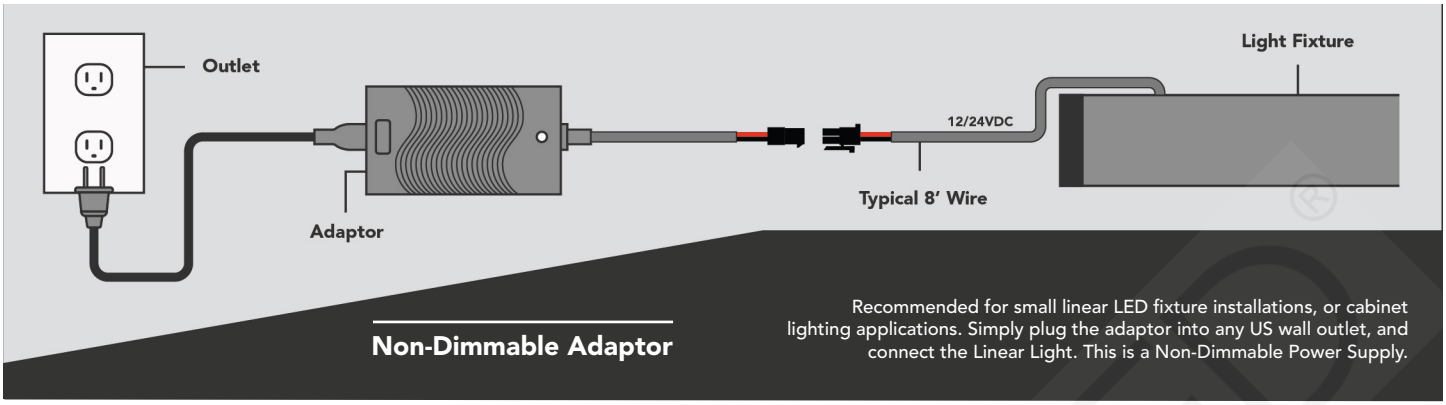
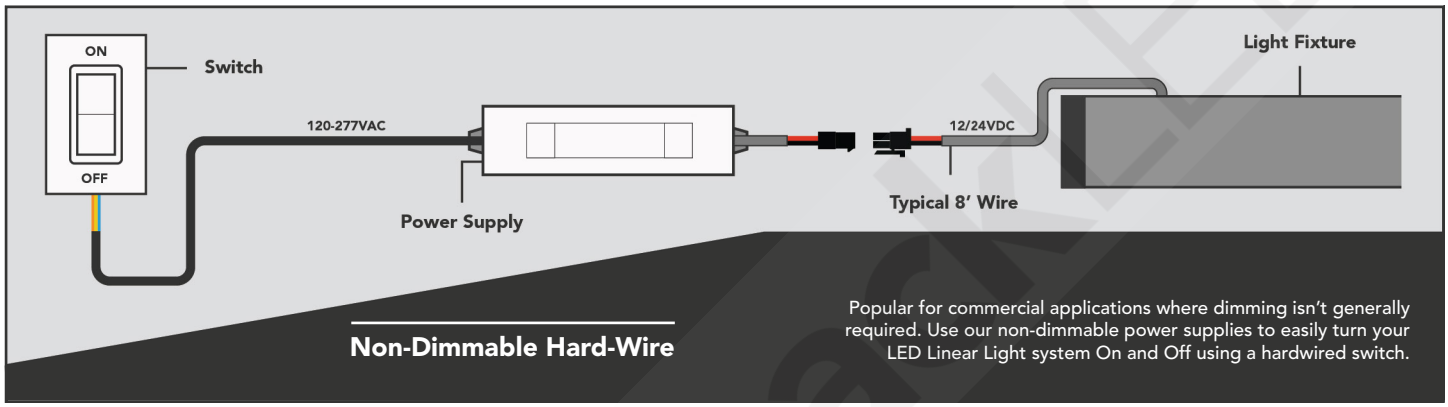


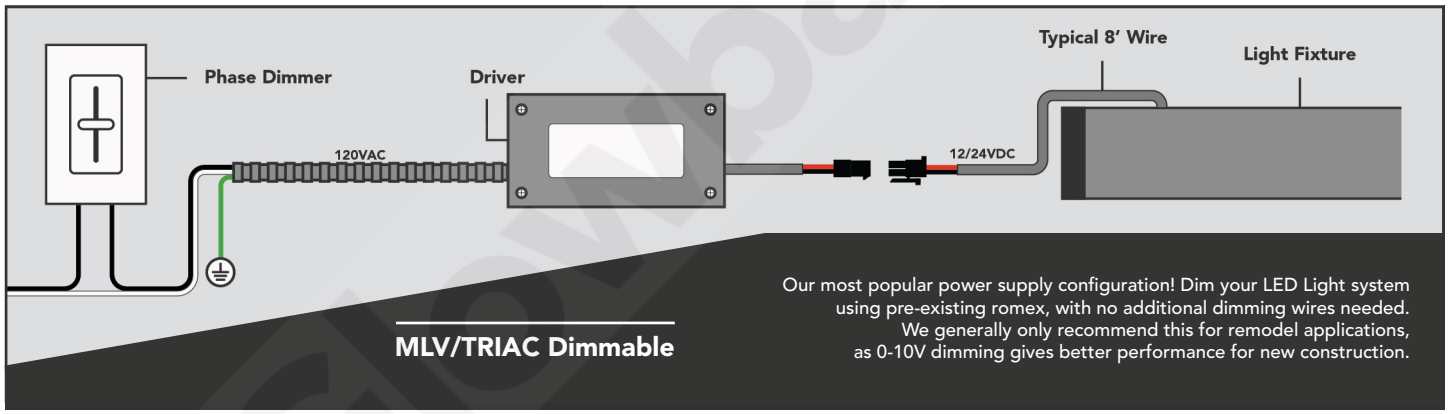
Non-Dimmable Adaptor

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.



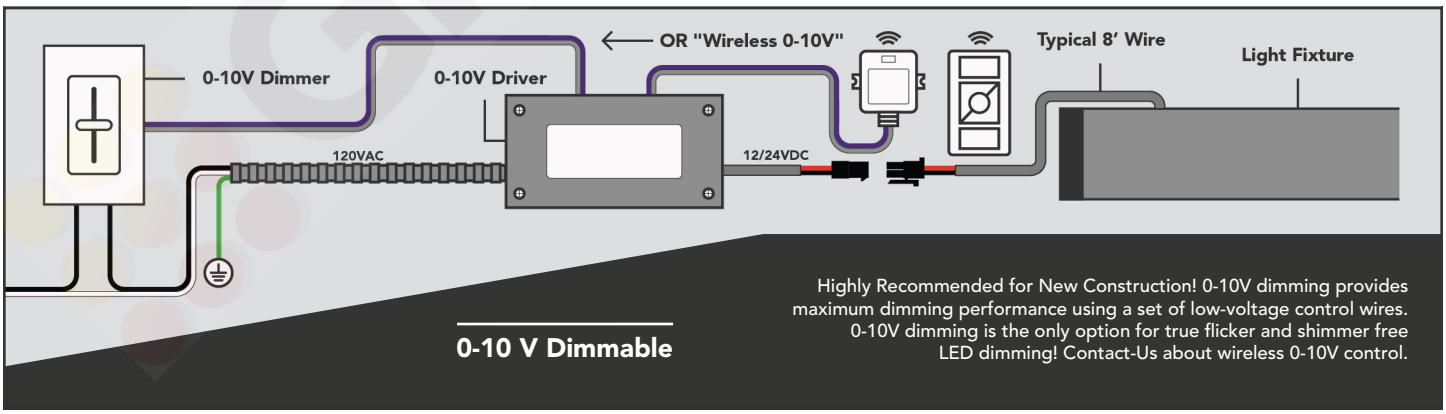
Non-Dimmable Hard-Wire

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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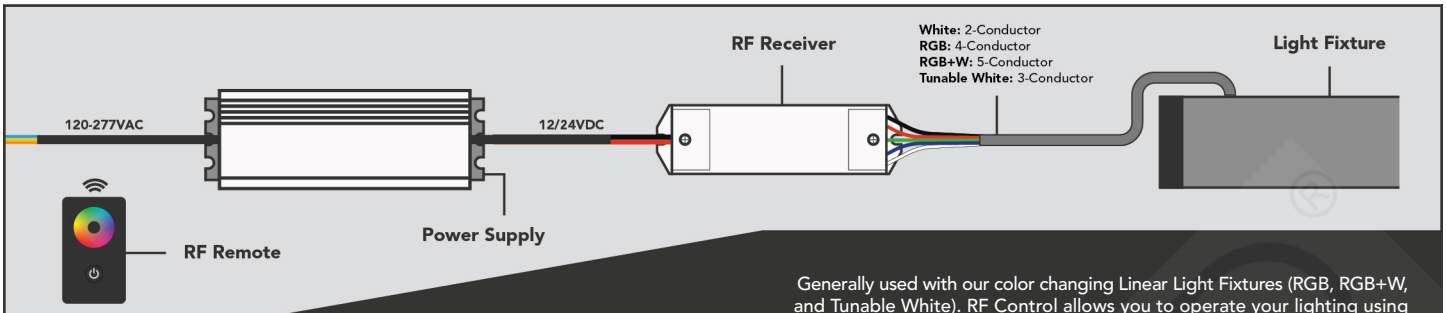
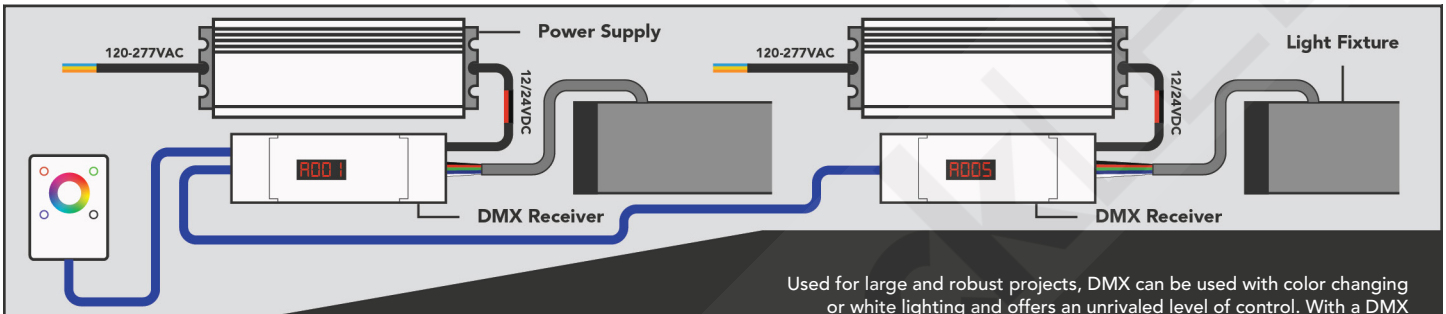
LVLBYT-XX-YY-ZZ
Recessed Mounted Linear Lighting



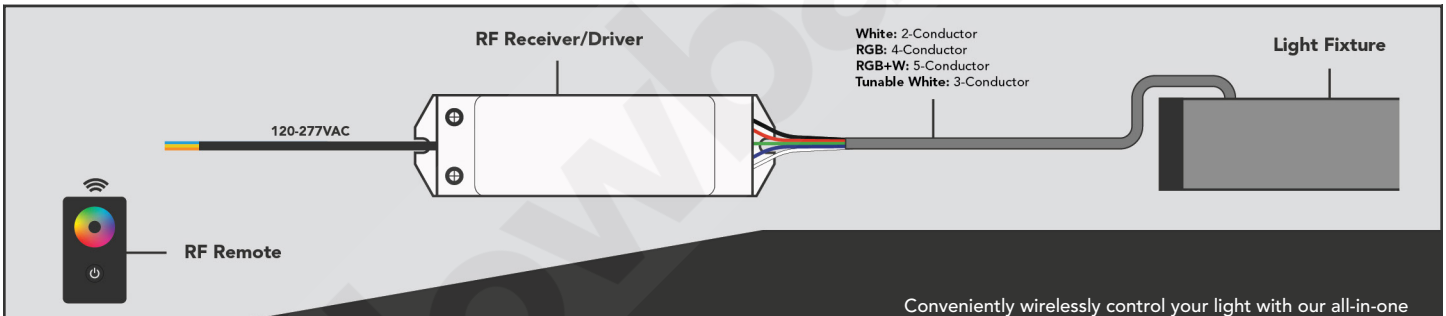
Wireless Control

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).



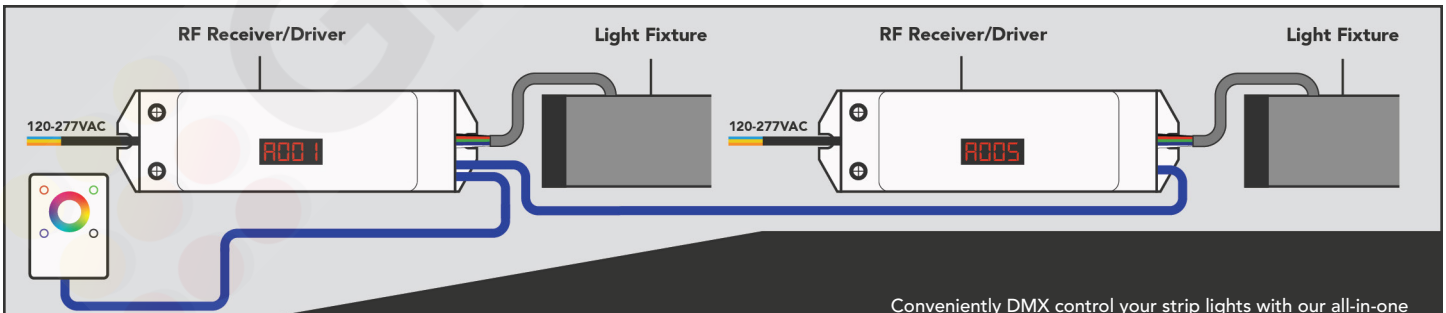
DMX Control

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	**LVLB**
Profile	**YT**
Output	
123 Lumens/ft	SO
236 Lumens/ft	HO
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
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 Powered End	CRP
C/R Middle	CRM
C/R End Piece	CRE
NA	*leave blank*
Shapes	
NA	*leave blank*

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

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