Profile + LED Light Kit

Section 1 - **Profile+ Components**

LIGHTS

REMOTE

AC ADAPTOR

IR Eye

LED CONTROLLER

Profile + LED Light Kit
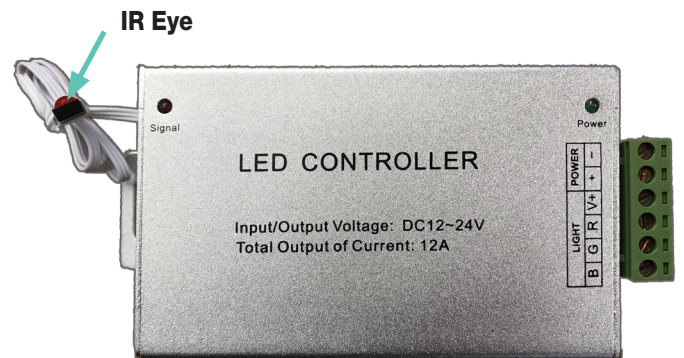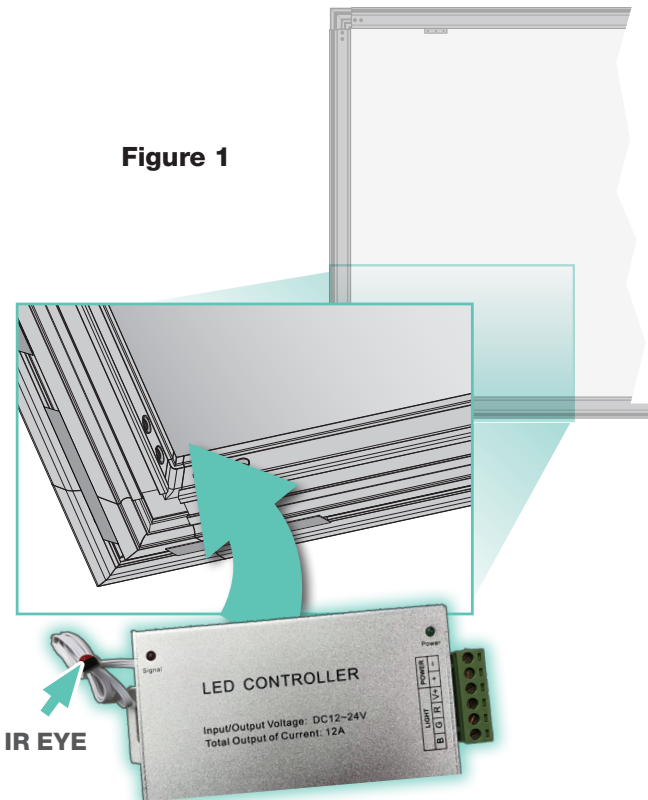
Section 1 - **Attaching Controller**

Please Note: This should be done first, before affixing lights to screen frame..

1. On the back side of the frame, locate preferred corner *(ideally, closest to power source) (Fig. 1)* and mount controller onto frame. Suggested method: a strong piece of hook-and-loop.

Please Note: Ensure that eye extends out from behind frame, as this is the receiver for the IR remote.

Figure 1

IR EYE

LED CONTROLLER

Input/Output Voltage: DC12~24V
Total Output of Current: 12A

Section 2 - **Attaching Lights**

1. Lights ship rolled onto a plastic reel, with a strong adhesive backing.

2. Beginning at corner where controller is located, adhere lights to back of frame, on edge indicated in Fig. 3.

Please Note: Utilizing this particular edge for mounting lights ensures the best lighting angle, while still hiding the light strip from audience view.

3. When corner is reached, crimp the light strip to form a right angle and proceed to adhere lights on next perpendicular section.

4. When the end of that section is reached, use sharp snips to cut light strip on cut line, located every 4" on light strip. *(Fig. 2)*.

5. Return to the controller and repeat process. In total, there should be two *(2)* lengths of light strip, both originating at the controller. Both will also follow one *(1)* corner each.

Please Note: Take care to mount strips in a straight line, and each side should be a uniform distance from the edge.

6. When strips are adhered firmly to back of frame, wire them into the controller as shown in *Section 6 - Wiring Diagrams*, Page 4.

7. Connect controller to AC adaptor *(supplied)*.

Mount LED strip here for optimum lighting angle.

Figure 2

SCREEN SURFACE

SCREEN FRAME CROSS SECTION

WALL

Figure 3

LED CONTROLLER

Input/Output Voltage: DC12~24V
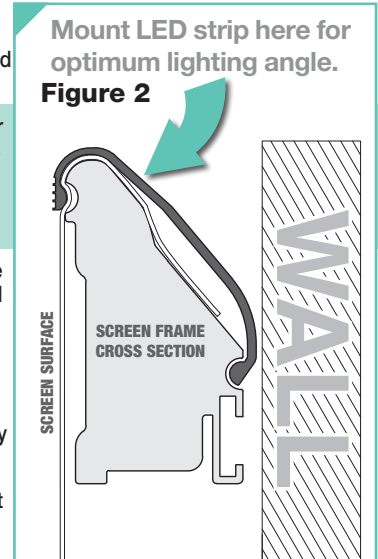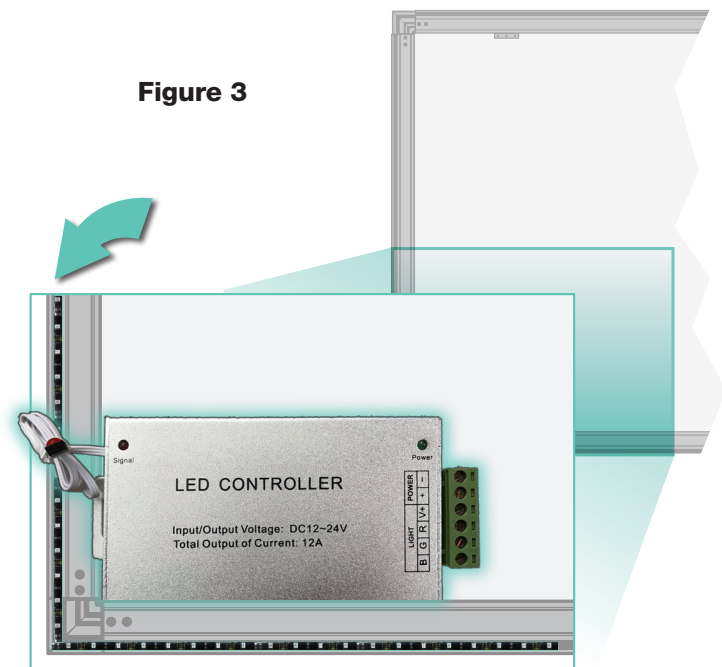Total Output of Current: 12A
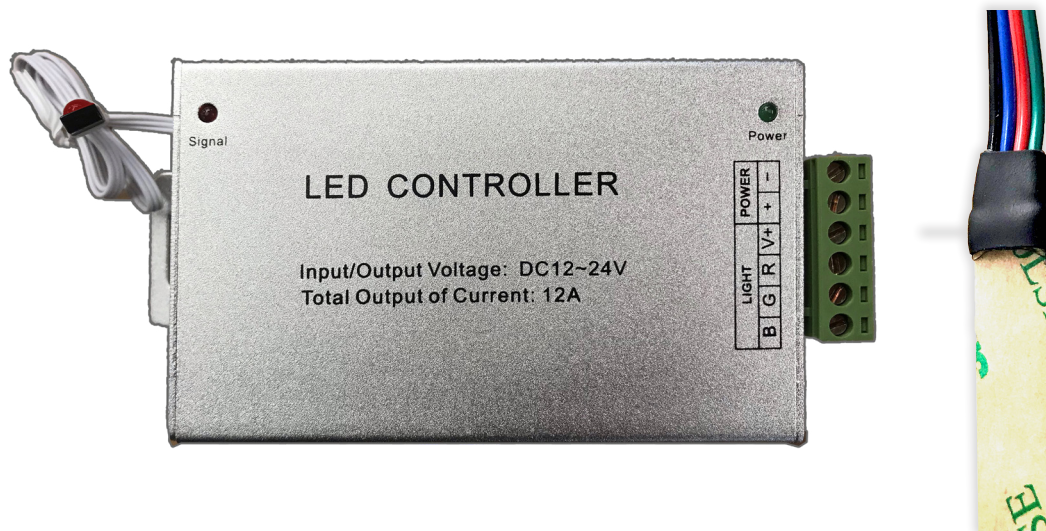
Section 3 - **IR Controller**

Please Note: 44Key IR LED Controller *(Aluminium-IR44B)*

IR Controller adopts the advanced micro control unit. It has many advantages such as convenient connection and simplicity of use. User can customize lighting patterns and colors.

Technical parameters

- Supply voltage: DC5V, 12V, 18V, 24V *(optional) (for orders specify voltage)*
- Output: 3 channels
- External dimension: L 130mm x 64mm w x 24mm H
- Net weight: 166 g
- Static Power Consumption: <1 W.
- Output Power: 5V; <60W, 12V: <144W, 24V; <288W
- Connecting Mode: Common anode
- Packing size: L140 x w 70 x h 52 mm
- Gross Weight: 192g
- Output current: <4 A *(each channel)*
- Working temperature: -20 to 60°C

Figure 4

LED CONTROLLER

Input/Output Voltage: DC12~24V
Total Output of Current: 12A

Section 4 - **Control Operation**

1. Connect the LED wire first, then the power wire.

Please Note: Ensure that short circuit cannot occur between connecting wires before turning on power.

2. Adopt IR control. Every key-press function is as follows:

Brightness rise (total of 8 grading)	Brightness Fall (total of 8 grading)	OFF	ON
Static red	Static Green	Static Blue	Static White
Static Orange	Static Light Green	Static Dark Blue	Static Milk White
Static Dark Yellow	Static Cyan	Static Lyons Blue	Static White Pink
Static Yellow	Static Sky Blue	Static Purple	Static Green White
Static Light Yellow	Static Light Blue	Static Brown	Static Blue White
Increase Red	Increase Green	Increase Blue	Speed Up
Decrease Red	Decrease Green	Decrease Blue	Speed Down
DIY key1	DIY key2	DIY Key3	Automatic Change
DIY key4	DIY key5	DIY Key6	Flash On & Off
3 color jumpy change	7 color jumpy change	3 color fade change	7 color fade change

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Section 5 - **External Dimensions**

2.5"
(64mm)

Ø .16"
(4mm)

Ø .31"
(8mm)

2.5"
(64mm)

5.1"
(130mm)

Ø .12"
(3mm)

Ø .12"
(3mm)

1.18"
(30mm)

2.5"
(64mm)

1" *(24mm)*

Section 6 - **Wiring Diagrams**

AC POWER

12V

+
−

Power Adaptor
Input power is
100 volts AC/240 volts AC

SIGNAL LIGHT

POWER LIGHT

Power

**LED
Wires**

IR Controller

B G R V⁺

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