

# RGB(W) Amplifier

Part#: 21080-XX

## INSTALLATION INSTRUCTIONS

### PARTS / TOOLS NEEDED:

|                                                                                   |                                                                                   |                                                                                    |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |
| RGB or RGBW Zone Amplifier                                                        | RGB or RGBW Lighting<br>(Varies)                                                  | Mounting Screws x 4                                                                | Butt Splices<br>(not provided)                                                      |

### Safety Instructions

- Disconnect power before installing, adding or changing any component.
- To avoid a hazard to children, account for all parts and destroy all packing materials.
- Do not install any luminaire assembly closer than 6" from any combustible materials.
- Positive (+) inputs require a fuse if the attached wire leads are not rated to handle the max current.

**1. INSTALL:** Determine the installation location for your amplifier. Make sure to consider the size of the amplifier (3.1"L x 2.5"W x 1"H) when determining your location. Note, it will require room for access and for wiring. Screw the amplifier in place use the four 3x15mm stainless steel Phillips pan head screws provided.



**2. WIRING DIAGRAM:** Follow the wiring diagram below to wire the module to your system.

- The signal amplifier is recommended for lengths of 20' or more, when using 14 gauge wire. It provides an additional power input to help maintain the RGB or RGBW signal over long runs.
- Lights cannot be daisy chained but can be run in parallel as long as the amperage is not exceeded on the amplifier.

#### Inputs From Controller

Red - Power (+)  
Black - Power (-)  
Red  
Green  
Blue

#### Outputs To Light

(+) White/Red  
Red  
Green  
Blue

RGB Signal Amplifier - 21080-18

12-24V DC / Max 18A

6A Max per RGB Wire

#### Inputs From Controller

Red - Power (+)  
Black - Power (-)  
Red  
Green  
Blue  
White

#### Outputs To Light

(+) White/Red  
Red  
Green  
Blue  
White

RGBW Signal Amplifier - 21081-24

12-24V DC / Max 24A

6A Max per RGBW Wire



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For warranty information please visit [www.itc-us.com/warranty-return-policy](http://www.itc-us.com/warranty-return-policy)  
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