

# LT-3070-8A LED CV Power Repeater



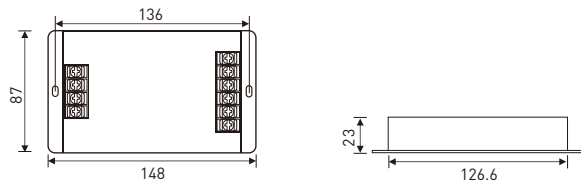
LED power repeater is suitable for all of our company's power-output style controllers' power expansion, it accepts PWM control, the control quantity of LED lights would be twice as much by adding one more power repeater, unlimited quantity of power repeater to be connected theoretically.

## 1. Product parameter:

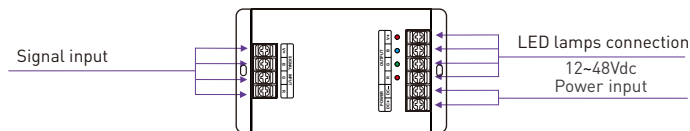
LT-3070-8A (Common anode)

|                |                               |                |                  |
|----------------|-------------------------------|----------------|------------------|
| Input signal:  | PWM (200Hz-2000Hz)            | Working temp.: | -30°C~65°C       |
| Input voltage: | 12~48Vdc                      | Dimension:     | L148xW87xH23(mm) |
| Current load:  | 8Ax3CH Max. 24A               | Package size:  | L158xW94xH31(mm) |
| Output power:  | {0~96W...384W}x3CH Max. 1152W | Weight (G.W.): | 380g             |

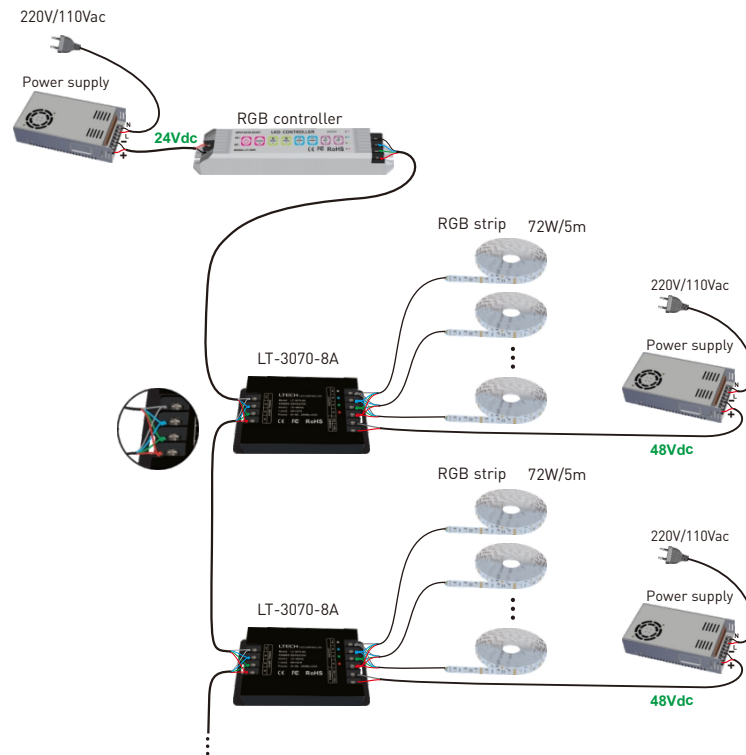
## 2. Product size:



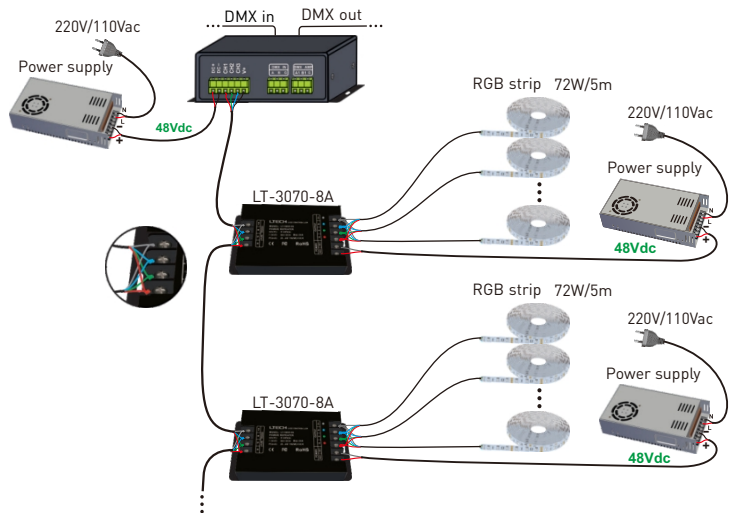
## 3. Wiring diagram:



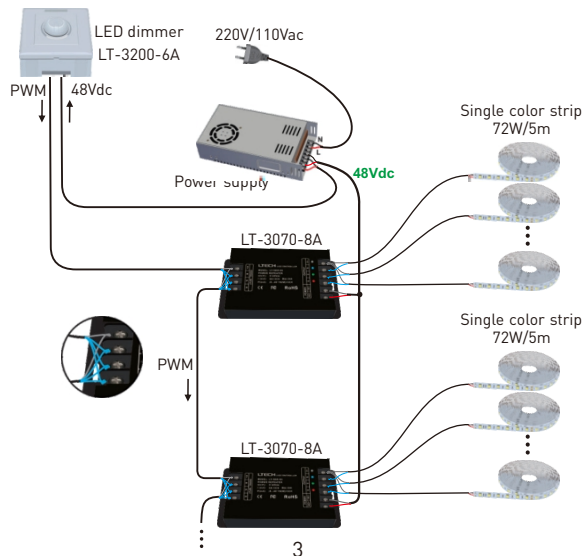
3.1 Repeaters connected to RGB controller as follow:



3.2 Repeaters connected to DMX decoder:



3.3 Repeaters connected to LED wall dimmer as follow:



4. Attention:

- 4.1 The product shall be installed and serviced by the qualified person.
- 4.2 This product is non-waterproof. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 4.3 Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
- 4.4 Please check if the output voltage of the LED power supply used comply with the working voltage of the product.
- 4.5 Please ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector.
- 4.6 Ensure all wire connections and polarities are correct before applying power to avoid any damages to the lights.
- 4.7 If a fault occurs, please return the product to your supplier. Do not attempt to fix this product by yourself.

5. Warranty agreement:

- 5.1 We provide lifelong technical assistance with this product:
    - A 5-year warranty is given from the date of purchase. The warranty is for free repair or replacement if cover manufacturing faults only.
    - For faults beyond the 5-year warranty, we reserve the right to charge for time and parts.
  - 5.2 Warranty exclusions below:
    - Any man-made damages caused from improper operation, or connecting to excess voltage and overloading.
    - The product appears to have excessive physical damage.
    - Damage due to natural disasters and force majeure.
    - Warranty label, fragile label and unique barcode label have been damaged.
    - The product has been replaced by a brand new product.
  - 5.3 Repair or replacement as provided under this warranty is the exclusive remedy to the customer. We shall not be liable for any incidental or consequential damages for breach of any stipulation in this warranty.
  - 5.4 Any amendment or adjustment to this warranty must be approved in writing by our company only.
- ★ This manual only applies to this model. We reserve the right to make changes without prior notice.

## LT-3070-8A LED 恒压功率扩展器



FC CE RoHS [质保5年] ISO9001:2008

LED功率扩展器适用我公司所有单色和RGB全彩功率型LED控制器的功率放大, 功率扩展器可接受PWM(脉宽调制)调光和效果变化, 每增加一个扩展器就可以多连接一倍至三倍的LED灯数量, 理论上可以连接无限个功率扩展器。

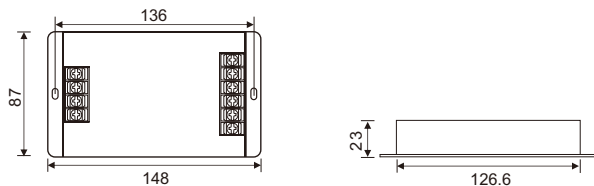
恒压跟恒流的扩展器可以混合连接, 方便不同电压、大功率和小功率的LED灯具由一台主控统一控制。

### 一、产品参数

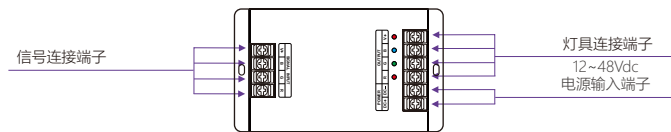
LT-3070-8A (共阳极)

|      |                               |        |                  |
|------|-------------------------------|--------|------------------|
| 输入信号 | PWM (200Hz-2000Hz)            | 工作温度   | -30°C ~ 65°C     |
| 输入电压 | 12 ~ 48Vdc                    | 产品尺寸   | L148×W87×H23(mm) |
| 负载电流 | 8A x3路 Max 24A                | 包装尺寸   | L158×W94×H31(mm) |
| 输出功率 | (0~96W...384W)×3CH Max. 1152W | 重量(毛重) | 380克             |

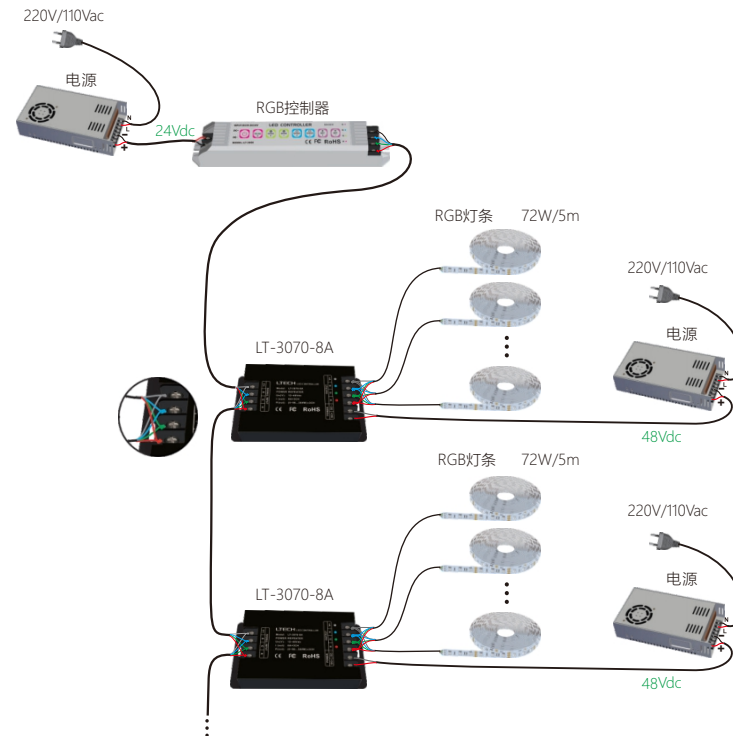
### 二、产品尺寸



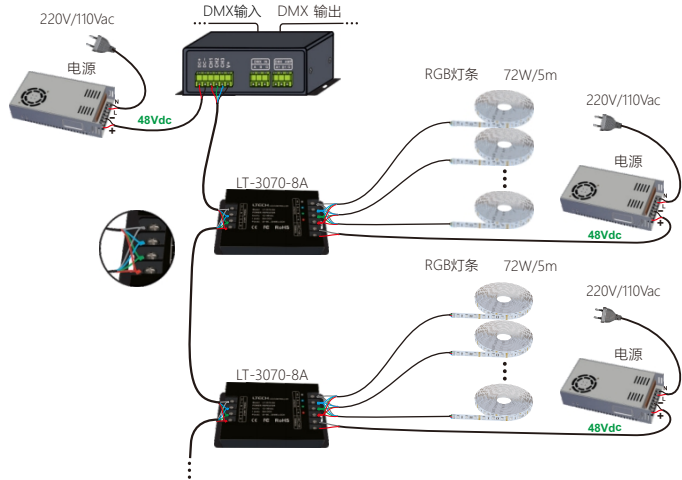
### 三、连线图



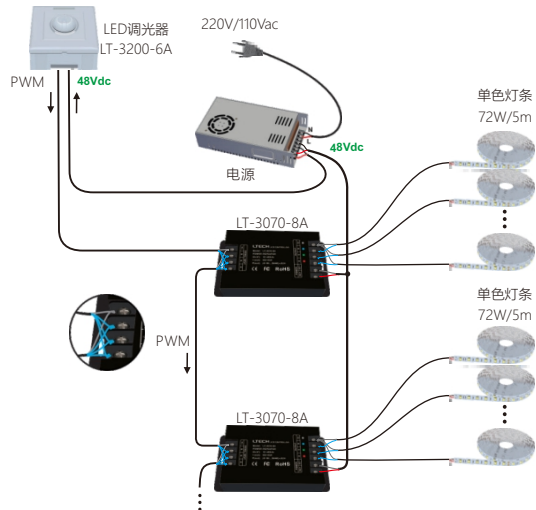
1. 下图为RGB控制器连接恒压功率扩展器示意图



2. 下图为DMX解码器连接恒压功率扩展器示意图



3. 下图为LED调光器连接恒压功率扩展器示意图



#### 四、 注意事项:

1. 本产品请由具有专业资格的人员进行调试安装。
2. 本产品不能防水, 需避免日晒雨淋, 如安装在户外, 请用防水箱。
3. 良好的散热条件会延长LED控制器的使用寿命, 请把产品安装在通风良好的环境。
4. 请检查使用的LED电源输出电压是否符合产品电压范围要求。
5. 使用的电线直径大小必须能足够负载连接的LED灯具, 并确保接线牢固。
6. 通电调试前, 应确保所有接线正确, 以避免因接线错误而导致灯具损坏。
7. 如果发生故障, 请勿私自维修; 如果有疑问, 请联系供应商。

#### 五、 保修协议:

1. 购买雷特LED控制器产品享受终身技术支持和保修服务:
  - 免费保修: 自购买之日起五年内出现产品质量问题雷特将给予免费修理或更换服务。
  - 有偿保修: 超过免费保修期的产品收取适当的维修材料成本费用。
2. 以下情况不在免费保修或更换服务范围之内:
  - 过高电压、超负载、操作不当等人为造成的损坏;
  - 产品外形严重损坏或变形;
  - 自然灾害以及人力不可抗拒原因造成的损坏;
  - 产品保修标签和产品唯一条形码损坏。
  - 产品已经更新换代。
3. 修理或更换是雷特对客户唯一补救措施。雷特不承担任何附带引起的损害赔偿赔偿责任。
4. 只有雷特享有修正或调整本保修条款的权利, 并以书面形式发布认定为准。

★ 本说明书仅适用于本型号产品, 如有更新恕不另行通知。