Tape Lighting

Features:
- Make use of SMD LED which size is 3.5mm x 2.8mm x 1.85mm
- The height is 4.5mm only; can be used in small areas
- Super bright 3528 SMD LED
- Excellent flexibility
- Transparent silicone tube, UV resistant

Applications:
- Elite LED tape light must use electronic transformer to power up one run at 15’ (5m).
- Elite LED color changing RGB/W tape light controller has 11 different modes and can be controlled via a remote control device. (part number LB2819S Controller).
- Forward Voltage Drop: 1.92-2.2 V

No. of LED/Foot > 18
Wattage/Foot > 9W
mA/Foot > 360mA
Color Temperature > RGBW
Beam Angle > 120º
Spacing between LED’s > .65"
Cutting Lengths > 2”
Max. Continuous Run (1 power) > 16 ft w/ one end power
Listing/Rating > UL

Descriptions:
Just one quarter inch high and one third of an inch wide, these strip lights can be installed easily in any indoor interior, from homes and retail locations.

ORDERING SAMPLE: LB102-15-RGBW

<table>
<thead>
<tr>
<th>SERIES</th>
<th>LENGTH</th>
<th>VOLTAGE</th>
<th>COLOR</th>
<th>REMOTE CONTROL</th>
<th>WALL MOUNTED CONTROLLER</th>
<th>POWER SUPPLY</th>
</tr>
</thead>
</table>

REMOTE CONTROL
- LB-2819S
  - Control distance of 60 to 90’

WALL MOUNTED CONTROLLER
- LB-2820US
  - Control distance of 60’

POWER SUPPLY
- ELG-200 (144-200W)
- HVG-240 (240W)
- LPV-100 (100W)
- HLG-320H (320W)
- HLG-400H (400W)
- KVP-24096-TDL-24V (100W)

RECEIVER
- LB-1009PD (240W)
- LB-1009EAWI (480W)

ACCESSORIES
- LB102-RGBW-ACC-1
- LB102-RGBW-ACC-2
- LB102-RGBW-ACC-12
- LB102-RGBW-ACC-8
- LB102-RGBW-ACC-3
- LB102-RGBW-ACC-5

12” interconnector
4” interconnector
12” power connector
4” power connector
Coupling
24” Interconnector
Overview of Basic Kit Hookup Diagram

**Home Line Voltage**

120V/277V Line Voltage

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**Power Supply**

- ELG-200 (144-200W)
- HVG-240 (240W)
- LPV-100 (100W) Up to 10’ runs
- HLG-320H (320W)
- HLG-480H (480W)
- KVP-24096-TDL-24 (100W) Up to 10’ runs

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**Receiver**

- LB-1009PD (240W)
- LB-1009EAWi (480W)

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**Connectors**

- Interconnectors
  - LB102-RGBW-ACC-1
  - LB102-RGBW-ACC-2
- Power connectors
  - LB102-RGBW-ACC-12
  - LB102-RGBW-ACC-8

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**LED Tape Light**

- LB102-16-24-RGBW

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**Controls**

- Remote Control
  - LB-2819S Control distance of 60 to 90’
- Wall Control
  - LB-2820US Control distance of 60’ (24V input from main power supply)
  - LED25W-24 (Power Supply) (Optional for wall controller)
RF & WIFI RGBW CONTROLLELS

RF AND WIFI RGBW REMOTE CONTROL

LB-2819S FEATURES
- User-friendly interface, easy and simple operation.
- Operation return function.
- Control up to 4 or 6 zones, each zone can be set endless receivers, each receiver maximally be controlled by 8 different remotes.
- Set 3 or 6 scenes at each zone.
- Preset 10 changing modes, with pause function.
- Synchronization function of pattern changes ensure consistent change forever.
- Receivers can work with RF-WIFI converter after installing software on IOS and Android system.
- Enable to dim brightness of each R, G, B, W channel, in order to mix millions colors.

<table>
<thead>
<tr>
<th>SERIES</th>
<th>VOLTAGE</th>
<th>RECEIVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>LB-2819S</td>
<td>4.0VDC (3*1.5V AAA BATTERIES)</td>
<td>LB-1009PD, LB-1009EAWi</td>
</tr>
</tbody>
</table>

RF AND WIFI RGBW WALL MOUNTED CONTROLLER

LB-2820US FEATURES
- Operation return function.
- Control 1 zone, can be set endless receiver, each receiver maximally be controlled by 8 different remotes.
- Preset 10 changing modes, with pause function.
- Synchronization function of pattern changes ensure consistent change forever.
- Receivers can work with WiFi RF converter after installing software on IOS and Android system.
- Enable to dim brightness of each RGBW channel in order to mix millions colors.
- Works with LB-1009PD or LB-1009EAWi series receivers.

<table>
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<tr>
<th>SERIES</th>
<th>VOLTAGE</th>
<th>RECEIVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>LB2820US</td>
<td>12-24VDC</td>
<td>LB-1009PD, LB-1009EAWi</td>
</tr>
</tbody>
</table>
RF WIRELESS WALL MOUNTED RGB/W CONTROLLER

FEATURES
- 1 Zone for saving 4 colors or 4 modes
- RGBW Glass Touch remote Panel
- Work with LB-1009EAWi series receivers.

<table>
<thead>
<tr>
<th>SERIES</th>
<th>VOLTAGE</th>
<th>OPERATION FREQUENCY</th>
<th>TEMPERATURE</th>
<th>APPROVAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>LB-2820US</td>
<td>12-24VDC</td>
<td>434MHz/868MHz</td>
<td>-20°C→+50°C</td>
<td>CE, FCC, RoHS</td>
</tr>
</tbody>
</table>

DIMENSIONS

BUTTON INSTRUCTIONS
- Color Wheel: Touch to choose color
- Warm white & Cold White & Natural White, mixed by RGB
- Brightness
- Zone Number: Short touch 1, 2, 3 to choose the zone
- Long touch 1, 2, 3 to switch on/off
- Switch: Short touch to switch on/off
- Color Running Button: Short touch to start or Pause color running mode;
  Long touch to adjust speed (10 built-in color running modes)

INSTALLATION

SENDER WIRING DIAGRAM

Sender Connection Diagram

WWW.IUSEELITELED.COM • TEL 1-877-375-5555 • FAX 1-877-375-3333
**FEATURES**
- RF receiver, 24V, 240W
- Signal repeater to avoid voltage drop

<table>
<thead>
<tr>
<th>SERIES</th>
<th>VOLTAGE</th>
<th>MAX LOAD</th>
<th>OUTPUT</th>
<th>LOAD TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>LB-1009PD</td>
<td>12-36VDC</td>
<td>4ch x 5A</td>
<td>240W</td>
<td>REGULAR LED(0.04-0.1W)</td>
</tr>
</tbody>
</table>

**DIMENSIONS**

**WIRING DIAGRAM**

- Output V+ is common anode for RGBW LED
- Output V+ can be common anode for CCT CW+WW LED can connect 2 parallel lines CW+WW LED
- For mono single color LED can also be common anode can connect 4 parallel lines

- Receiver/Repeater setting jumper
- One receiver can connect multiple repeaters to realize perfect sync. The sync distance can be over 100m no volt drop.
**LB-1009EAWi**

**RECEIVER**

**FEATURES**
- RF receiver, 24V, 480W
- Signal repeater to avoid voltage drop

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<tbody>
<tr>
<td>LB-1009EAWi</td>
<td>12-36VDC</td>
<td>4ch x 8A</td>
<td>480W</td>
<td>REGULAR LED(0.04-0.1W)</td>
</tr>
</tbody>
</table>

**DIMENSIONS**

- 2” x 6.5” x 1”

**WIRING DIAGRAM**

- Output V+ is common anode for RGBW LED
- Output V+ can be common anode for CCT CW+WW LED
- For mono single color LED can also be common anode can connect 4 parallel lines
- Receiver/Repeater setting jumper
  - One receiver can connect multiple repeaters to realize perfect sync.
  - The sync distance can be over 100m no volt drop.