As a global company, we offer our products and support worldwide.

The LR Series conforms to international standards. The PATLITE group has built a global sales network to effectively provide goods and services to customers anywhere.
Signal Tower
LR Series
Modular LED Signal Tower

Visibility
Audibility
Durability
Simplicity

2 year Warranty

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Optional Parts

Modular Components

Body Units
Buzzer Units
LED Units

Configurator
Scan the QR code to build an LR model
http://www.patlite.com/LR_config/
2 year Warranty

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Configurator
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Modular Components

Optional Parts

Body Units
Buzzer Units
LED Units

SZW-001W
SZK-002W/U
SZK-003W/U
SZF-001W
SZK-001U
SZF-002U
Visibility

Exceptional Light Brilliance
With a new re-designed lens and improved light module construction, the LR series provides a brilliant, even light for visibility at further distances.

Audibility

No Holes, No Compromises
A re-engineered, completely enclosed sound module maintains substantial water and dust protection while producing loud, omnidirectional sound.

Unique Method of Fully Enclosed Sound Module
Inspired by a drum percussion instrument, the fully enclosed sound module is able to more efficiently vibrate sound waves, producing even 360° omnidirectional sound resonance. Resistance to water and dust is also increased.

New Sounds Heard Above the Noise
Four buzzer sounds* are built in. The two new buzzer sounds are designed at a higher variable frequency to be heard above the noise of surrounding machinery. Alternatively, a sound reduction function of approx. -10dB is included to suit the environment.

* Four Buzzer Sounds
- Rapid intermittent sound
- Continuous sound
- Rapid Hi-low
- Sweep sound
Exceptional Light Brilliance
With a new re-designed lens and improved light module construction, the LR series provides a brilliant, even light for visibility at further distances.

Visibility

A uniform 360° Light-Emitting Design
The new LED color module features a new, unique interior lens construction that achieves a fuller, more uniform 360° degree light output. Light color is vibrant with more emission area for reliable indication from further distances.

More than Twice the Light Output
The LR Series lens distributes light more efficiently, increasing luminous intensity by more than double that of our current models.
※ Based on the φ40 Red LED Model

Audibility

No Holes, No Compromises
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Unique Method of Fully Enclosed Sound Module
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Maximum 90dB* output
The fully enclosed sound module structure produces more efficient sound, up to 90dB, at 1 meter.
※ LR7 buzzer No.4 (Sweep tone)

New Sounds Heard Above the Noise
Four buzzer sounds* are built in. The two new buzzer sounds are designed at a higher variable frequency to be heard above the noise of surrounding machinery. Alternatively, a sound reduction function of approx. -10dB is included to suit the environment.
※ Four Buzzer Sounds
※ Buzzer No.3 Rapid Hi-low Sound 2016Hz/3012Hz
※ Buzzer No.4 Sweep Sound 1000Hz - 4032Hz (changing)
Convenient Modular Assembly

Simple "Twist and Lock" system makes it easy to customize and reconfigure light and sound modules.

Simplicity

Modular System Design

The modular LED unit system makes reorganizing the color configuration easy. Furthermore, if an LED light module ever becomes damaged, ordering and replacing modules is easier than ever.

Reorganizing modules is effortless

Traditional stack lights typically require additional threaded shafts or tools to reconfigure light modules. With the LR Series, color reorganization, changing the number of light tiers and/or adding a sound module is easier than ever.

Durability

Rugged Never Looked Better

A sleek, smooth form factor and an enhanced body construction, makes the LR well-suited for harsher environments.

Smooth Surface

The LED light buzzer modules flush together, creating a smooth surface for improved water run off and easy cleaning.

Environmental Performance

Built rugged with a water and dust resistant IP65 housing. IP65 / NEMA Type 4X, 13 withstands various environmental conditions, such as water and dust.

Upgraded Materials

All materials used were upgraded from previous models. Changing the base from ABS to Polycarbonate, and O-rings to silicone resin result in a more lightweight, shock resistant product.

Scan to see this in action
Simplicity

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### LR Series Pre-assembled Models

#### Mounting Type
- Pole Mount with Standard Bracket
- Pole Mount with Folding Bracket

#### Rated Voltage
- DC12V
- DC24V
- AC100 - 240V

#### Size
- φ40
- φ50
- φ60
- φ70

#### Flash/Buzzer Type
- B = Flashing/Buzzer
- N = No Flashing/Buzzer

#### Tiers
- 1 Tier
- 2 Tiers
- 3 Tiers
- 4 Tiers
- 5 Tiers

#### Model Code
- LR4 - 502WJNW - RYGBC
- LR5 - 502WJNW - RYGBC
- LR6 - 502WJNW - RYGBC
- LR7 - 502WJNW - RYGBC

#### Power Consumption
<table>
<thead>
<tr>
<th>Model Code</th>
<th>Power Consumption Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>JR4-502WJNW</td>
<td>0.50W/0.630kg</td>
</tr>
<tr>
<td>JR6-502WJNW</td>
<td>0.75W/0.910kg</td>
</tr>
<tr>
<td>JR4-502WJNW</td>
<td>0.50W/0.630kg</td>
</tr>
<tr>
<td>JR6-502WJNW</td>
<td>0.75W/0.910kg</td>
</tr>
</tbody>
</table>

#### Body Color
- R = Red
- Y = Yellow
- G = Green
- B = Blue
- C = White

#### LED Module Color
- B = Blue
- Y = Yellow
- R = Red
- G = Green
- C = White

#### Mass
<table>
<thead>
<tr>
<th>Model Code</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>JR4-502WJNW</td>
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</tr>
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<td>JR6-502WJNW</td>
<td>0.75W/0.910kg</td>
</tr>
</tbody>
</table>

### Specifications
- For WJ and PJ type only
- For DC24V and Off-white type only
- For DC24V type WJ, LJ and PJ type only
<table>
<thead>
<tr>
<th>Mounting Type</th>
<th>Rated Voltage</th>
<th>Size</th>
<th>Flash/Buzzer</th>
<th>Tiers</th>
<th>Model</th>
<th>Power Consumption</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pole Mount with Folding Bracket</td>
<td>DC12V</td>
<td>1 Tier</td>
<td>No Flashing/Buzzer</td>
<td>3 = 3 Tiers</td>
<td>LR6-5M2WJNW</td>
<td>4.5W</td>
<td>0.450kg</td>
</tr>
<tr>
<td>Pole Mount with Folding Bracket</td>
<td>DC12V</td>
<td>2 Tier</td>
<td>No Flashing/Buzzer</td>
<td>3 = 3 Tiers</td>
<td>LR6-4M2WJNW</td>
<td>4.5W</td>
<td>0.450kg</td>
</tr>
<tr>
<td>Pole Mount with Folding Bracket</td>
<td>DC12V</td>
<td>3 Tier</td>
<td>No Flashing/Buzzer</td>
<td>3 = 3 Tiers</td>
<td>LR6-3M2WJNW</td>
<td>4.5W</td>
<td>0.450kg</td>
</tr>
<tr>
<td>Pole Mount with Folding Bracket</td>
<td>DC12V</td>
<td>4 Tier</td>
<td>No Flashing/Buzzer</td>
<td>3 = 3 Tiers</td>
<td>LR6-2M2WJNW</td>
<td>4.5W</td>
<td>0.450kg</td>
</tr>
<tr>
<td>Pole Mount with Folding Bracket</td>
<td>DC12V</td>
<td>5 Tier</td>
<td>No Flashing/Buzzer</td>
<td>3 = 3 Tiers</td>
<td>LR6-1M2WJNW</td>
<td>4.5W</td>
<td>0.450kg</td>
</tr>
<tr>
<td>Pole Mount with Folding Bracket</td>
<td>AC100 - 240V</td>
<td>1 Tier</td>
<td>No Flashing/Buzzer</td>
<td>2 = 2 Tiers</td>
<td>LR6-5M2WJBW</td>
<td>7.5W</td>
<td>0.740kg</td>
</tr>
<tr>
<td>Pole Mount with Folding Bracket</td>
<td>AC100 - 240V</td>
<td>2 Tier</td>
<td>No Flashing/Buzzer</td>
<td>2 = 2 Tiers</td>
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</tbody>
</table>

*1 For WJ and PJ type only  
*2  For DC24V and Off-white type only  
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**Signal Tower**

**LR Series Pre-assembled Models**

<table>
<thead>
<tr>
<th>Mounting Type</th>
<th>Rated Voltage</th>
<th>Size</th>
<th>Flash/Buzzer</th>
<th>Tiers</th>
<th>Model</th>
<th>Power Consumption</th>
<th>Mass</th>
</tr>
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</tbody>
</table>

*1 For WJ and PJ type only  
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*3  For DC24V type WJ, LJ and PJ type only

**LED Module Color**

- **R** = Red
- **G** = Green
- **B** = Blue
- **C** = White
- **U** = Silver

**Body Color**

- **N** = No Flashing/Buzzer
- **B** = Flashing/Buzzer

**Rated Voltage**

- **01** = DC12V
- **02** = DC24V
- **M2** = AC100 - 240V

**Model**

- **LR4**
- **LR5**
- **LR6**
- **LR7**

**Mounting/Wiring**

- **W** = Direct/Cable
- **LI** = Pole Mount with bracket/Cable
- **FJ** = Pole Mount with folding bracket/Cable
- **QI** = Pole Mount with circular bracket/Cable

**For Direct/Cable Type Only**

- **—**

**Available Type**

- **O**
- **—**

**Body Color**

- **W** = White
- **O** = Off-white
- **N** = No Flashing/Buzzer
- **B** = Flashing/Buzzer

**LED Module Color**

- **R** = Red
- **G** = Green
- **B** = Blue
- **C** = White
- **U** = Silver

**Power Consumption**

- **3.0W**
- **4.5W**
- **6.0W**
- **7.5W**
- **9.0W**
- **10.5W**
- **12.0W**
- **13.5W**
- **15.0W**
- **16.5W**
- **18.0W**

**Mass**

- **0.450kg**
- **0.500kg**
- **0.550kg**
- **0.600kg**
- **0.650kg**
- **0.700kg**
- **0.750kg**
- **0.800kg**
- **0.850kg**
- **0.900kg**
- **0.950kg**
- **1.000kg**

**Model Code**

- **LR4-502WJNW-RYGBC**
- **LR5-502WJNW-RYGBC**
- **LR6-502WJNW-RYGBC**
- **LR7-502WJNW-RYGBC**

**Type of Mounting**

- **Pole Mount with Folding Bracket**
- **Folding Bracket**
- **Circular Bracket**
- **L-bracket**
- **Cable**
## Signal Tower
### LR Series Pre-assembled Models

<table>
<thead>
<tr>
<th>Mounting Type</th>
<th>Rated Voltage</th>
<th>Size</th>
<th>Flash/Buzzer</th>
<th>Tiers</th>
<th>Model</th>
<th>Power Consumption</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC12V</td>
<td>DC12V</td>
<td>φ60</td>
<td>Buzzer</td>
<td>1</td>
<td>LR6-127PJNW/U</td>
<td>1.0W</td>
<td>0.800kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>φ50</td>
<td>Buzzer</td>
<td>2</td>
<td>LR5-117PJNW/U</td>
<td>0.800kg</td>
<td>0.700kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>φ40</td>
<td>Buzzer</td>
<td>3</td>
<td>LR4-117PJNW/U</td>
<td>0.700kg</td>
<td>0.600kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>φ60</td>
<td>Buzzer</td>
<td>4</td>
<td>LR6-127PJNW/U</td>
<td>1.0W</td>
<td>0.800kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>φ50</td>
<td>Buzzer</td>
<td>5</td>
<td>LR5-117PJNW/U</td>
<td>0.800kg</td>
<td>0.700kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>φ40</td>
<td>Buzzer</td>
<td>6</td>
<td>LR4-117PJNW/U</td>
<td>0.700kg</td>
<td>0.600kg</td>
</tr>
</tbody>
</table>

### LED Units
- All LED units can be used with all voltage types. Up to 5 LED units can be mounted and used.

<table>
<thead>
<tr>
<th>Size</th>
<th>Color</th>
<th>Model</th>
<th>Power Consumption</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>φ40</td>
<td>Red</td>
<td>LR4-1</td>
<td>1.0W</td>
<td>0.800kg</td>
</tr>
<tr>
<td></td>
<td>Amber</td>
<td>LR4-2</td>
<td>1.0W</td>
<td>0.800kg</td>
</tr>
<tr>
<td></td>
<td>Green</td>
<td>LR4-3</td>
<td>1.0W</td>
<td>0.800kg</td>
</tr>
<tr>
<td></td>
<td>Blue</td>
<td>LR4-4</td>
<td>1.0W</td>
<td>0.800kg</td>
</tr>
<tr>
<td></td>
<td>White</td>
<td>LR4-5</td>
<td>1.0W</td>
<td>0.800kg</td>
</tr>
<tr>
<td>φ50</td>
<td>Red</td>
<td>LR5-1</td>
<td>1.0W</td>
<td>0.800kg</td>
</tr>
<tr>
<td></td>
<td>Amber</td>
<td>LR5-2</td>
<td>1.0W</td>
<td>0.800kg</td>
</tr>
<tr>
<td></td>
<td>Green</td>
<td>LR5-3</td>
<td>1.0W</td>
<td>0.800kg</td>
</tr>
<tr>
<td></td>
<td>Blue</td>
<td>LR5-4</td>
<td>1.0W</td>
<td>0.800kg</td>
</tr>
<tr>
<td></td>
<td>White</td>
<td>LR5-5</td>
<td>1.0W</td>
<td>0.800kg</td>
</tr>
<tr>
<td>φ60</td>
<td>Red</td>
<td>LR6-1</td>
<td>1.0W</td>
<td>0.800kg</td>
</tr>
<tr>
<td></td>
<td>Amber</td>
<td>LR6-2</td>
<td>1.0W</td>
<td>0.800kg</td>
</tr>
<tr>
<td></td>
<td>Green</td>
<td>LR6-3</td>
<td>1.0W</td>
<td>0.800kg</td>
</tr>
<tr>
<td></td>
<td>Blue</td>
<td>LR6-4</td>
<td>1.0W</td>
<td>0.800kg</td>
</tr>
<tr>
<td></td>
<td>White</td>
<td>LR6-5</td>
<td>1.0W</td>
<td>0.800kg</td>
</tr>
<tr>
<td>g70</td>
<td>Red</td>
<td>LR7-1</td>
<td>1.0W</td>
<td>0.800kg</td>
</tr>
<tr>
<td></td>
<td>Amber</td>
<td>LR7-2</td>
<td>1.0W</td>
<td>0.800kg</td>
</tr>
<tr>
<td></td>
<td>Green</td>
<td>LR7-3</td>
<td>1.0W</td>
<td>0.800kg</td>
</tr>
<tr>
<td></td>
<td>Blue</td>
<td>LR7-4</td>
<td>1.0W</td>
<td>0.800kg</td>
</tr>
</tbody>
</table>

### Buzzer Units
- Buzzer unit can be used with all voltage types. Possibility to add buzzer function afterward.

<table>
<thead>
<tr>
<th>Size</th>
<th>Model</th>
<th>Power Consumption</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>φ40</td>
<td>LR4-2B</td>
<td>1.0W</td>
<td>0.800kg</td>
</tr>
<tr>
<td>φ50</td>
<td>LR5-2B</td>
<td>1.0W</td>
<td>0.800kg</td>
</tr>
<tr>
<td>φ60</td>
<td>LR6-2B</td>
<td>1.0W</td>
<td>0.800kg</td>
</tr>
<tr>
<td>g70</td>
<td>LR7-2B</td>
<td>1.0W</td>
<td>0.800kg</td>
</tr>
</tbody>
</table>

---

*All LED units can be used with all voltage types. Up to 5 LED units can be mounted and used.*
### Signal Tower

#### LR Series Pre-assembled Models

<table>
<thead>
<tr>
<th>Mounting Type</th>
<th>Rated Voltage</th>
<th>Size</th>
<th>Flash/Buzzer</th>
<th>Tiers</th>
<th>Model</th>
<th>Power Consumption</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC-12V</td>
<td></td>
<td>φ60</td>
<td>–</td>
<td>1</td>
<td>LR6-107PJNW/U</td>
<td>1.9W</td>
<td>0.405kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>–</td>
<td>2</td>
<td>LR6-207PJNW/U</td>
<td>3.5W</td>
<td>0.600kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>–</td>
<td>3</td>
<td>LR6-307PJNW/U</td>
<td>5.1W</td>
<td>0.820kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>–</td>
<td>4</td>
<td>LR6-407PJNW/U</td>
<td>6.7W</td>
<td>0.890kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>–</td>
<td>5</td>
<td>LR6-507PJNW/U</td>
<td>8.3W</td>
<td>0.960kg</td>
</tr>
<tr>
<td>DC-24V</td>
<td></td>
<td>φ60</td>
<td>–</td>
<td>1</td>
<td>LR6-107PJNW/U</td>
<td>1.9W</td>
<td>0.405kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>–</td>
<td>2</td>
<td>LR6-207PJNW/U</td>
<td>3.5W</td>
<td>0.600kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>–</td>
<td>3</td>
<td>LR6-307PJNW/U</td>
<td>5.1W</td>
<td>0.820kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>–</td>
<td>4</td>
<td>LR6-407PJNW/U</td>
<td>6.7W</td>
<td>0.890kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>–</td>
<td>5</td>
<td>LR6-507PJNW/U</td>
<td>8.3W</td>
<td>0.960kg</td>
</tr>
</tbody>
</table>

### LED Units
- All LED units can be used with all voltage types. Up to 5 LED units can be mounted and used.

<table>
<thead>
<tr>
<th>Size</th>
<th>Color</th>
<th>Model LED Unit</th>
<th>Power Consumption</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>g40</td>
<td>Red</td>
<td>LR4-E-G</td>
<td>1.0W</td>
<td>0.030kg</td>
</tr>
<tr>
<td></td>
<td>Green</td>
<td>LR4-E-G</td>
<td>1.0W</td>
<td>0.030kg</td>
</tr>
<tr>
<td></td>
<td>Blue</td>
<td>LR4-E-G</td>
<td>1.0W</td>
<td>0.030kg</td>
</tr>
<tr>
<td></td>
<td>White</td>
<td>LR4-E-G</td>
<td>1.0W</td>
<td>0.030kg</td>
</tr>
<tr>
<td>g50</td>
<td>Red</td>
<td>LR5-E-G</td>
<td>1.0W</td>
<td>0.030kg</td>
</tr>
<tr>
<td></td>
<td>Green</td>
<td>LR5-E-G</td>
<td>1.0W</td>
<td>0.030kg</td>
</tr>
<tr>
<td></td>
<td>Blue</td>
<td>LR5-E-G</td>
<td>1.0W</td>
<td>0.030kg</td>
</tr>
<tr>
<td></td>
<td>White</td>
<td>LR5-E-G</td>
<td>1.0W</td>
<td>0.030kg</td>
</tr>
<tr>
<td>g60</td>
<td>Red</td>
<td>LR6-E-G</td>
<td>1.0W</td>
<td>0.030kg</td>
</tr>
<tr>
<td></td>
<td>Green</td>
<td>LR6-E-G</td>
<td>1.0W</td>
<td>0.030kg</td>
</tr>
<tr>
<td></td>
<td>Blue</td>
<td>LR6-E-G</td>
<td>1.0W</td>
<td>0.030kg</td>
</tr>
<tr>
<td></td>
<td>White</td>
<td>LR6-E-G</td>
<td>1.0W</td>
<td>0.030kg</td>
</tr>
<tr>
<td>g70</td>
<td>Red</td>
<td>LR7-E-G</td>
<td>1.0W</td>
<td>0.030kg</td>
</tr>
<tr>
<td></td>
<td>Green</td>
<td>LR7-E-G</td>
<td>1.0W</td>
<td>0.030kg</td>
</tr>
<tr>
<td></td>
<td>Blue</td>
<td>LR7-E-G</td>
<td>1.0W</td>
<td>0.030kg</td>
</tr>
<tr>
<td></td>
<td>White</td>
<td>LR7-E-G</td>
<td>1.0W</td>
<td>0.030kg</td>
</tr>
</tbody>
</table>

### Buzzer Units
- Buzzer unit can be used with all voltage types. Possibility to add buzzer function afterward.

<table>
<thead>
<tr>
<th>Size</th>
<th>Model Buzzer Unit</th>
<th>Power Consumption</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>g40</td>
<td>LR4-B-1</td>
<td>1.0W</td>
<td>0.030kg</td>
</tr>
<tr>
<td>g50</td>
<td>LR5-B-1</td>
<td>1.0W</td>
<td>0.030kg</td>
</tr>
<tr>
<td>g60</td>
<td>LR6-B-1</td>
<td>1.0W</td>
<td>0.030kg</td>
</tr>
<tr>
<td>g70</td>
<td>LR7-B-1</td>
<td>1.0W</td>
<td>0.030kg</td>
</tr>
</tbody>
</table>
Signal Tower
LR Series Optional Parts

Direct Mount Brackets
- Circular Bracket
  Model: SZW-001W
- Wall-mount Bracket
  Model: SZK-002W(U)  SZK-003W(U)
- L-bracket
  Model: SZL-001

T Type Aluminum Pole Brackets

N Type Aluminum Pole Brackets
- Circular Multiple-mount Bracket
  Model: SZP-001W
- Wall-mount Bracket
  Model: SZK-001U
- Circular Bracket
  Model: SZP-002U

Folding Bracket
- Model: SZQ-001W

Circular Bracket
- Model: SZP-003W

Mounting Dimensions (Unit: mm)
- Mounting Hole Ø6x4
- Wire Exit Hole (Ø12)

Aluminum Poles (Waterproof Ring/Screw Accessories included)
- N Type
  - 100mm
  - 300mm
  - 800mm
- T Type
  - 300mm
  - 500mm
  - 1000mm

Terminal Block
- LHR LED Unit Sheet
  Model: B25110065-F1
- LRS LED Unit Sheet
  Model: B25110067-F1
- LRS LED Unit Sheet
  Model: B25110067-FF1

Replacement Parts
- O-ring/Headcover
  - 40
  - 50
  - 60
- Base Unit
  - Adaptor for Aluminum Pole
- Filter Sheet
- Signal Tower LR Series Optional Parts
Signal Tower

LR Series Modular Models

Select a Buzzer Unit (for Flashing / Buzzer function)

Select an LED Unit

Select a Body Unit

Body Unit Model Code

Easy Steps

See the Movie!!

Scan the QR code to see how easy LR is to configure.

Remove the headcover to setup the body unit

Attach one LED unit at a time to the body unit

Replace the headcover, or attach the buzzer unit

#PEZ6OJU

The terminal can be pulled out

A new removable terminal for easier wiring.

Removable Screwless Terminal

The terminal can be pulled out
Select a Buzzer Unit (for Flashing / Buzzer function)

Select an LED Unit

Select a Body Unit

Easy Steps

See the Movie!!

Scan the QR code to see how easy LR is to configure.

## Signal Tower

### LR Series Modular Models

**Select a Buzzer Unit (for Flashing / Buzzer function)**

<table>
<thead>
<tr>
<th>Size</th>
<th>Color</th>
<th>Model</th>
<th>Power Consumption</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>φ40</td>
<td></td>
<td>LR4-E</td>
<td>1.0W</td>
<td>0.005kg</td>
</tr>
<tr>
<td>φ50</td>
<td></td>
<td>LR5-E</td>
<td>1.0W</td>
<td>0.005kg</td>
</tr>
<tr>
<td>φ60</td>
<td></td>
<td>LR6-E</td>
<td>1.0W</td>
<td>0.005kg</td>
</tr>
<tr>
<td>φ70</td>
<td></td>
<td>LR7-E</td>
<td>1.0W</td>
<td>0.005kg</td>
</tr>
</tbody>
</table>

**Select an LED Unit**

<table>
<thead>
<tr>
<th>Size</th>
<th>Color</th>
<th>Model</th>
<th>Power Consumption</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>φ40</td>
<td></td>
<td>LR4-E</td>
<td>1.0W</td>
<td>0.005kg</td>
</tr>
<tr>
<td>φ50</td>
<td></td>
<td>LR5-E</td>
<td>1.0W</td>
<td>0.005kg</td>
</tr>
<tr>
<td>φ60</td>
<td></td>
<td>LR6-E</td>
<td>1.0W</td>
<td>0.005kg</td>
</tr>
<tr>
<td>φ70</td>
<td></td>
<td>LR7-E</td>
<td>1.0W</td>
<td>0.005kg</td>
</tr>
</tbody>
</table>

**Select a Body Unit**

**Body Unit Model Code**

<table>
<thead>
<tr>
<th>Model Code</th>
<th>(1) Size</th>
<th>(2) Rated Voltage</th>
<th>(3) Mounting/Wiring</th>
<th>(4) Flashing/Buzzer</th>
<th>(5) Body Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>LR6-02WJNW</td>
<td>φ60-φ70</td>
<td>DC24V</td>
<td>Direct Mount</td>
<td>No Flashing/Buzzer</td>
<td>Off-white</td>
</tr>
</tbody>
</table>

**Easy Steps**

1. Remove the headcover to setup the body unit.
2. Attach one LED unit at a time to the body unit.
3. Replace the headcover, or attach the buzzer unit.

**See the Movie!!** Scan the QR code to see how easy LR is to configure.

**Mounting Type**

<table>
<thead>
<tr>
<th>Mounting Type</th>
<th>Rated Voltage</th>
<th>Size</th>
<th>Wiring</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct Mount</td>
<td>DC12V</td>
<td>φ50</td>
<td>Cable</td>
<td>LR5-01WJNW</td>
</tr>
<tr>
<td></td>
<td>DC24V</td>
<td>φ50</td>
<td>Cable</td>
<td>LR5-01WJNW</td>
</tr>
<tr>
<td></td>
<td>AC100-240V</td>
<td>φ50</td>
<td>Cable</td>
<td>LR5-01WJNW</td>
</tr>
<tr>
<td></td>
<td>DC12V</td>
<td>φ40</td>
<td>Screwless Terminal</td>
<td>LR5-02WJNW</td>
</tr>
<tr>
<td></td>
<td>DC24V</td>
<td>φ40</td>
<td>Screwless Terminal</td>
<td>LR5-02WJNW</td>
</tr>
<tr>
<td></td>
<td>AC100-240V</td>
<td>φ40</td>
<td>Screwless Terminal</td>
<td>LR5-02WJNW</td>
</tr>
<tr>
<td>Pole Mount with/ Circular Bracket</td>
<td>DC12V</td>
<td>φ50</td>
<td>Cable</td>
<td>LR5-01PJNW</td>
</tr>
<tr>
<td>Pole Mount with/ L-bracket</td>
<td>DC24V</td>
<td>φ40</td>
<td>Cable</td>
<td>LR5-02PJNW</td>
</tr>
<tr>
<td>Pole Mount with/ Folding Bracket</td>
<td>DC12V</td>
<td>φ50</td>
<td>Cable</td>
<td>LR5-01LJNW</td>
</tr>
<tr>
<td></td>
<td>DC24V</td>
<td>φ40</td>
<td>Cable</td>
<td>LR5-02LJNW</td>
</tr>
</tbody>
</table>

**Removable Screwless Terminal**

A new removable terminal for easier wiring.

The terminal can be pulled out.

**New removable terminal**

For easier wiring.
**Signal Tower**

**LR Series Upcoming Products**

**LR Series 2nd Phase**

**Clear Lens LED Unit**
- LR4/LR6

**Multi-color LED Unit**
- LR6

**Accessories & Options**
- M12 Connector
- NPT Adaptor
- Wall Mount Bracket (Uncovered Cable)
- Signal Tower with Switch Box
- LR6
- LR4-LR7
- LR6/LR7
- LR5

**Wireless Data Acquisition System WD Series and LR Series**

The WD Series is a system for retrieving data from PATLITE Signal Towers remotely and in real-time. The WD system can be used for a variety of applications, such as collecting data to identify production bottlenecks.

**WD Series**

- PRO 2.4GHz
- WIRELESS SYSTEM

- WD Series System
- Wireless Transmission

**Available in 2017**

**[WJ] Direct Mount/Cable**
(01: DC12V / 02: DC24V)

**[WJ] Pole Mount with/L-bracket & Cable**
(01: DC12V / 02: DC24V)

**[WJ] Pole Mount with/Circular Bracket & Cable**
(01: DC12V / 02: DC24V)

**[WJ] Pole Mount with/Folding Bracket & Cable**
(02: DC24V)

**Maximum Thickness 7**
- Cable Length: (1000) Unit: 2000

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**Maximum Thickness 7**
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**Maximum Thickness 7**
- Cable Length: (1000) Unit: 2000

**Outer Dimensional Drawing (Unit: mm)**

- Outer Dimensional Drawing (Unit: mm)

- Outer Dimensional Drawing (Unit: mm)

- Outer Dimensional Drawing (Unit: mm)

- Outer Dimensional Drawing (Unit: mm)
Signal Tower
LR Series Upcoming Products

LR Series 2nd Phase
Available in 2017

Clear Lens LED Unit
Multi-color LED Unit

Accessories & Options

M12 Connector
NPT Adaptor
Wall Mount Bracket (Uncovered Cable)
Signal Tower with Switch Box

Wireless Data Acquisition System WD Series and LR Series

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WD Series

LR Series 2nd Phase
Available in 2017

Clear Lens LED Unit
Multi-color LED Unit

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M12 Connector
NPT Adaptor
Wall Mount Bracket (Uncovered Cable)
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Wireless Data Acquisition System WD Series and LR Series

The WD Series is a system for retrieving data from PATLITE Signal Towers remotely and in real-time. The WD system can be used for a variety of applications, such as collecting data to identify production bottlenecks.
**Mounting Dimensions**

- **Mount A**: WJP/WT Mounting Diagram
- **Mount B**: LJ Mounting Diagram
- **Mount C**: QJ Mounting Diagram

---

**Wiring Diagrams**

**Product Type**

- [01] DC 12V
- [02] DC 24V

**External Contact Type**

- Contact Relay Type

**External Contact Type**

- PLC (NPN Transistor Type)

**WT Terminal Type**

- PLC (PNP Transistor Type)

**Terminal Block**

- Wiring Method

---

**Mount A**

- Mounting Hole s3
- Mounting Hole s4
- Mounting Hole s5

**Mount B**

- Mounting Hole (s1)

**Mount C**

- Mounting Hole (s2)

---

**LED Unit Specifications**

<table>
<thead>
<tr>
<th>Color</th>
<th>Red</th>
<th>Amber</th>
<th>Green</th>
<th>Blue</th>
<th>White</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Voltage</td>
<td>DC24V</td>
<td>DC24V</td>
<td>DC24V</td>
<td>DC24V</td>
<td>DC24V</td>
</tr>
<tr>
<td>Current Consumption/Max.</td>
<td>0.04A/1W</td>
<td>0.04A/1W</td>
<td>0.04A/1W</td>
<td>0.04A/1W</td>
<td>0.04A/1W</td>
</tr>
</tbody>
</table>

---

**Buzzer Unit Specifications**

<table>
<thead>
<tr>
<th>Color</th>
<th>Red</th>
<th>Amber</th>
<th>Green</th>
<th>Blue</th>
<th>White</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Voltage</td>
<td>DC24V</td>
<td>DC24V</td>
<td>DC24V</td>
<td>DC24V</td>
<td>DC24V</td>
</tr>
<tr>
<td>Current Consumption/Max.</td>
<td>0.04A/1W</td>
<td>0.04A/1W</td>
<td>0.04A/1W</td>
<td>0.04A/1W</td>
<td>0.04A/1W</td>
</tr>
</tbody>
</table>

---

**Conformity Standards**

- UL508, CSA-C22.2 No.14
- FCC Part 15 Subpart B Class A
- RoHS Directive (EN 50581)
- Low-voltage Directive (IEC/EN 60947-5-1, EN62471)
As a global company, we offer our products and support worldwide.

The LR Series conforms to international standards. The PATLITE group has built a global sales network to effectively provide goods and services to customers anywhere.