See More, Do More!

LA6 REVOLITE SIGNAL LIGHT TOWER

Embedded Software Program, To set a variety of colors or use different mode features.
See More, Do More!

Display a variety of colors in various ways to improve your processes.

PATLITE innovation continues with improved functionality to drive productivity, improve efficiencies, and reduce waste. One of our basic themes is to help you make continuous improvements in your process. In order to make your lives more "comfortable," our theme of "Visual Information" has been a persistent one by making things easier to do. Here, we introduce the LA6 multi-informational signal tower. It can be easily manipulated to display various colors and combination of colors in various ways in order to communicate "visual information" in a manner that is intuitive and easy to understand. The applications are endless. As a pioneer manufacturer of information display equipment, we will strive to provide society the best products in order to meet your expectations for "Safety, Security, and Comfort."
Indicate abnormal conditions with a variety of color patterns.
Can freely set up multiple colors. For example, a serious condition can be indicated with the “All-point Lighting” where the entire signal tower is the same color, thus conveying important information.

Use "Operating Modes" to enhance a visual status condition.
The downloadable program can be used to make patterns change at set intervals so the signal tower can be used to count time or set a pace.

Simple and easy to use complimentary programming software.
The downloadable complimentary programming software can be used to easily control which colors are displayed and how they are to behave.

REVOLITE™

More active, more flexible and beautiful.
"Revolite™ was made to redefine "light" and to make the environment more active, more beautiful, and more flexible."
See More to reduce downtime, improve productivity, and improve efficiency

Case 1: Assembly Line
Productivity can be improved by assigning a task for each tier that is lit so that operators can know if they are on pace or not. No external controls are required to set up the takt time.

Lighting Method: "Takt Time Display"
Display elapsed time in "real time" by counting the number of tiers that are lit.

Case 2: Processing Machine
When there are many processing machines it is important that any trouble or need for maintenance is quickly communicated. This can be easily accomplished with predetermined color arrays, as shown on the example on the right. The various colors or intensity of colors will allow problems to be addressed quickly, thus improving productivity and reducing down time.

Lighting Method: "Detailed Error Display"
The level of information (serious error, slight error) can be expressed colorfully.
See More through intuitive, quietly visual, and reliable communication

**Case 1  Baggage Conveyors**

Flashing lights can help alert people that a baggage conveyor is about to start, thus reducing accidents. Different color lights can also be used to match airline colors so it's easier for passengers to know which carousel to go to.

**Lighting Method: "Sine Curve Display"**

Changing the light intensity allows for a more subtle way to communicate operation status.

**Case 2  Check-out Registers**

Different colors can designate a busy or open checkout register in larger supermarkets. This allows customers to be able checkout quicker and balances cashier's workload. Special light patterns can also be used to communicate between cashiers and their supervisors or other employees.

**Lighting Method: "All-point Lighting Display"**

An "All-point Lighting Display" can use all sections of the LAL, such as displaying the light sequentially to simulate movement at a checkout register and an all-solid color can be displayed when the lane is open.
An internal Mode Switch is available. Use the internal mode switch to easily set up various functions, such as the alarm volume.

A new lens design optimizes visibility. The newly developed lens design efficiently diffuses LED light so that it is unmistakably visible, even from great distances.

Freely change luminescence colors and patterns with editing software. Upload colors and patterns using the editing program to the signal tower using an USB cable connected to a PC.

* The USB cable is sold separately (USB microB type with Charging/ Data Transfer capability).

The alarm has a total of 11 sounds with various frequencies to meet a variety of applications. The water-resistant speaker design is able to play clear sounds of up to 85 dB (at 1m) despite its compact size. Alarm sounds can be set up with every display pattern.

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**REVOLITE™**

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**Signal Tower LA6**

- Voltage: DC24V
- Alarm: 11 Sounds with various frequencies
- Wiring: 3 types
  - TN: Screwless Terminal
  - L: Cable & Pole

![LED (DC24V)](image)

- Off-white Lighting
- Silver Off-white Flashing/Alarm
- Off-white Lighting
- Silver Off-white Flashing/Alarm
- Steel Pole Type (L, T)

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**Replacement Parts**

- **Headcover**
  - (Off-white) B31310001-7F1
  - (Silver) B31310001-9F1

- **USB Port Cover**
  - (Off-white) B22100071-7F1
  - (Silver) B22100071-9F1

- **Waterproof Ring ‘B’**
  - B25110042-1F1

- **Pole Bracket**
  - (Off-white) B22210134-7F1

- **Waterproof O-ring**
  - B25110047-1F1
View our videos at our exclusive site for more information.
Features and various product operation modes can be viewed at our exclusive site (www.patlite.com/LA6). The contents introduce actual applications, ideas for applications, and widespread potential for this product.

Easily set up an operation pattern.

1. The “Smart Mode” uses various colors to display information
   A. Single-display Type
      31 luminescent patterns are stored in the unit’s memory and can be set to on/off for 1-5 tiers
   B. Time-trigger Type
      Up to 15 groups of up to 63 patterns can be controlled as a continuous flow based on preset times.
   C. Pulse-trigger Type
      Pulse-trigger Type is activated by discrete inputs instead of time to progress from one pattern to the next, for up to 63 patterns. These can be grouped for up to 15 groups.

2. “Signal Tower Mode”
   A. This mode simply displays information like a standard Signal Tower.
   B. Four new color selections are available in addition to the five standard luminescence colors.

Set-up data can be downloaded.
Several pre-programmed patterns can be uploaded to the unit from the “Information Set.”

Free color sample pattern data files (.dts) can be downloaded from our exclusive website.
Use our free and simple editing software to modify the free color sample pattern files.
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>LA6-1-D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Voltage</td>
<td>DC24V</td>
</tr>
<tr>
<td>Operating Voltage Range</td>
<td>±10% of Rated Voltage</td>
</tr>
<tr>
<td>Rated Power Consumption</td>
<td>Indoor Only</td>
</tr>
<tr>
<td>Environmental Condition</td>
<td>Power Consumption tested with alarm set at Alarm Sound No. 1 at maximum volume</td>
</tr>
<tr>
<td>Signal Output Current</td>
<td>Maximum 70mA</td>
</tr>
<tr>
<td>Standby Current</td>
<td>Maximum 5mA</td>
</tr>
<tr>
<td>Display Color</td>
<td>#808080 (white)</td>
</tr>
<tr>
<td>Typical Luminous Intensity</td>
<td>Purple (2000 cd/m²)</td>
</tr>
<tr>
<td>Flash Rate</td>
<td>60 ± 2fps</td>
</tr>
<tr>
<td>External Dimensions</td>
<td>Maximum 64x86mm</td>
</tr>
<tr>
<td>Volume Control</td>
<td>3 x 25dB step drop from maximum (standby)</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>Indoor Only</td>
</tr>
<tr>
<td>External Dimensions</td>
<td>No. 1: 240V, No. 2: 240V</td>
</tr>
<tr>
<td>Alarm Sound (Typical Frequency)</td>
<td>No. 5: 1600Hz, No. 6: 1600Hz</td>
</tr>
<tr>
<td>Sound Level</td>
<td>Maximum 68dB</td>
</tr>
<tr>
<td>External Dimensions</td>
<td>Alarm Sound No. 1 measured from the front of the alarm opening at 1m</td>
</tr>
</tbody>
</table>

### DIMENSIONS (Unit:mm)

- **NI Direct Mount / Terminal Block Type**
  - **L1 Terminal Under/View**
    - Cable Gland: Mounting Surface Thickness: Range 3mm-6mm
  - **L2 Bracket Dimensional Drawing**
    - Internal Dimensions: Range 3mm-6mm
    - External Dimensions: Range 3mm-6mm

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### MODEL CODE

- **Example:** LA6-5D/TN-RVBG
  - 1. **LED Tiers:** 5
  - 2. **Mounting/Wiring:** Direct Mount / Terminal Block
  - 3. **Body Color:** Silver
  - 4. **Alarm:** Flashing with Adjacent LED

### WIRING

- **Contact Relay**
  - **External Contact**
  - **LED Tier 1:** Input 1
  - **LED Tier 2:** Input 2
  - **LED Tier 3:** Input 3
  - **LED Tier 4:** Input 4
  - **LED Tier 5:** Input 5
  - **Alarm 1:** Input 6
  - **Alarm 2:** Input 7

- **Plastic Connector (NPN Transistor)**
  - **External Contact**
  - **LED Tier 1:** Input 1
  - **LED Tier 2:** Input 2
  - **LED Tier 3:** Input 3
  - **LED Tier 4:** Input 4
  - **LED Tier 5:** Input 5
  - **Alarm 1:** Input 6
  - **Alarm 2:** Input 7

- **Power Supply Wire**
  - **Yellow/Grey**
  - **White**
  - **Black**
  - **Red**
  - **Green**
  - **Blue**

- **Circuit Diagram**
  - **Power Supply Wire**
  - **White**
  - **Yellow/Grey**

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### PATLITE®

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