To ensure correct use of these products, read the "Instruction Manual" prior to use. Failure to follow all safeguards can result in fire, electric shock, or other accidents. Specifications are subject to change without notice.

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**#1 Ranked Globally in Signaling Devices**

**Signal Beacons**

- **SL**: Standard light functions with flash settings
- **SK**: Motorized rotation with efficient light output
- **SF**: LED animations including simulated rotation

**The Next Evolution of Beacons**

- **New**

**Standard light functions**

- **SL**: Motorized rotation with efficient light output
- **SK**: LED animations including simulated rotation

**Multi-Function Beacons**

**Rotating Beacons**

- **SK**: Motorized rotation with efficient light output

**Flashing Beacons**

- **SL**: Standard light functions with flash settings
We are Dedicated to Safety

Our first product innovation dates back to 1955 when we developed the micro-motor. The creation of this revolutionary product led to the development of a wide-range of warning devices including our first flagship product, the SK-12 rotating beacon light. Since then, signal beacons have been adopted worldwide as a primary device for warning and status indication applications.

Our S-Series Beacons represents our long history of engineering safety equipment and our deep commitment to creating safer, more secure environments, worldwide.

Features

 Reliable
- Clearer, brighter signaling with improved reflector design
- High IP rating
- High durability and longer product life

 Convenient
- Easy mounting and installation
- Maintenance-free
- Selectable wiring options

Online Part Number Configurator
Visit our beacon configurator site to easily build a part number based on your requirements.
https://www.patlite.com/beacon_config/
### Flashing Beacons

**SL series**

**Full Visibility**

The newly developed Fresnel lens distributes ambient, uniform light from all surfaces of the globe, including the top.

Compared to competing products, the SL has a wider, light-emitting surface, with over 5 times the luminous intensity.

**Easy Mounting**

- IP66 rating (KT type)
  - 1. Screw in the mounting bracket
  - 2. Connect wires to the push-in terminal block
  - 3. Mount the body onto the mounting bracket
  - 4. Lock into place

**LED life**

- 100,000 hours

**Application Examples**

At this train station, a combination of flashing light and sound from the SL warns people at the platform of approaching trains.

The SL on this control panel alternates between continuous, blinking, and triple flashing lights to indicate normal, warning, and critical conditions respectively.

This SL is mounted on the ceiling of a store, indicating emergencies by flashing light, which is visible from a distance.

**Model Number Configuration**

**SL10-M1KTB-R**

- **Size**
  - 08: ø80mm
  - 10: ø100mm
  - 15: ø150mm

- **Rated Voltage**
  - M1: 12-24V DC
  - M2: 100-240V AC

- **LED Color**
  - R: Red
  - Y: Amber
  - G: Green
  - B: Blue

**Wiring Diagrams**

**SL10-M1KT (12-24V DC / Cable)**

**SL10-M2KT (100-240V AC / Cable)**

**Rubber Gasket (sold separately)**

- **SZW-102**
  - For SL08

- **SZW-103**
  - For SL10

- **IP65**

** Compared to competing products, the SL has a wider, light-emitting surface, with over 5 times the luminous intensity.**
**Rotating Beacons**

### SK series

**Durable and Reliable**

The SK is equipped with a brushless motor, which produces less heating than a conventional motor, and has a longer motor life.

The steel ball bearings, located at the base of the reflector, are designed to greatly reduce wear over time and provides quiet reflector rotation.

### Higher Visibility

This newly developed dual-reflector efficiently distributes LED light, creating bright, even light output.

The light-emitting surface is designed to provide maximum visibility and effective visual signals.

---

**Application Examples**

The distinct light rotation of the SK makes it suitable for providing efficient visual signaling in emergency situations.

Due to the long-life LEDs in the SK, it is used in 24-hour parking structures where there is an absence of parking attendants, as an “always-on” warning light.

The SK installed on this AGV gives bright, rotating indication to its surroundings while in motion, to prevent accidents in case a person is stepping in the path of the vehicle.

---

**Model Number Configuration**

**SKH-M1JB-R**

- **Size**
  - S: Ø80mm
  - H: Ø100mm
  - P: Ø150mm

- **Buzzer**
  - R: Red
  - Y: Amber
  - G: Green
  - B: Blue

- **Rated Voltage**
  - M1: 12-24V DC
  - M2: 100-240V AC

- **Mounting/Wiring**
  - J: Cable
  - T: Terminal Block

- **IP Ratings**
  - IP65

- **For 3 Screw Mounting / Cable Type**

---

**Wiring Diagrams**

**MT2**

- **12-24V DC / Cable**

**MT2T**

- **120-240V AC / Terminal Block**

---

**Rubber Gasket (Sold Separately)**

- IP65

For SKS

- SZW-102

For SKH

- SZW-103

---

**For SKS**

- Inlet: 12-24V DC

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**For SKH**

- Inlet: 100-240V AC

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* *Manufacturer specified value

*1 Nonpolar. UL Class 2 specification
Multi-function Beacons

SF series

**High Efficiency**

This motorless, maintenance-free design produces LED animations including simulated rotation, flashing, and pulsing effects.

The SF is designed with PATLITE’s newly developed multi-fresnel lens. This thin, rigid lens is capable of collecting and diffusing light more effectively than a conventional lens.

**Wide Selection of Light Patterns**

Select from 22 light patterns to indicate multiple operation statuses using different rotation and flash settings. Select from 22 light patterns to provide unambiguous visual signals.

As the SF is powered on, visual signals will immediately begin to operate. This eliminates the need for a device to trigger operating functions for this type of application.

The SF is installed at a gate to warn pedestrians of large vehicles passing through. A timer switch is used to dim the light during the dark hours to avoid blinding drivers.

---

**Application Examples**

The SF is mounted on a filler machine to indicate multiple operation statuses using different rotation and flash settings. Select from 22 light patterns to provide unambiguous visual signals.

**Model Number Configuration**

**Wiring Diagrams**

**Terminal Block Arrangement**

---

**Examples of Usage:**
- Reduce brightness during night time
- Adjust flash speeds depending on urgency
- Adjust rotation speeds depending on level of danger

---

**Select from 22 light patterns to indicate various statuses at your work field. The light pattern can easily be configured by adjusting the rotary switch and wiring channels.**
### Optional Parts

#### For Wall Mounting

- **Wall Mounting Bracket (For Φ90mm / Φ100mm)**
  - **Model:** SZK-101
  - Material: PC
  - Compatible models: SKS / SL08-J / SF08-J / SF10-J
  - Mounting hole: 6 × 4

- **Rubber Mounting**

#### For Pole Mounting

- **Circular Bracket (For Φ100mm)**
  - **Model:** SZIP-101
  - Material: PC
  - Compatible models: SKH / SL10-J / SF10-J
  - Mounting hole: 6 × 4

- **Aluminum Pole N Type (non-threaded)**
  - **Model:** POLE22-0100AN

- **Aluminum Pole T Type (threaded)**
  - **Model:** POLE22-0100AT

#### For Ceiling Mounting

- **Circular Bracket (For Φ100mm)**
  - **Model:** SZW-101
  - Material: SPCE
  - Mounting hole: 6 × 4

#### Rubber Mounting

- **Rubber Gasket (For Φ90mm)**
  - **Model:** SZW-102
  - Material: Silicone
  - Compatible models: SKH / SL08-J / SF08-J

- **Rubber Gasket (For Φ100mm)**
  - **Model:** SZW-103
  - Material: Silicone
  - Compatible models: SKH / SL10-J / SF10-J

---

**Replacement Parts**

Compatible with all SL, SK, and SF Models

<table>
<thead>
<tr>
<th>Component</th>
<th>SKS/SF08/SL08</th>
<th>SKH**/SF10/SL10</th>
<th>SKP**/SL15</th>
<th>φ100mm</th>
<th>φ80mm</th>
<th>φ50mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Globe</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Red</td>
<td>Red</td>
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<tr>
<td>Red</td>
<td>GA0000098-F1</td>
<td>GA0000093-F1</td>
<td>GA0000097-F1</td>
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<td>Green</td>
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<td>GA0000101-F1</td>
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<tr>
<td>Blue</td>
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<td>GA0000104-F1</td>
<td>GA0000105-F1</td>
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<td></td>
<td></td>
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<tr>
<td>Waterproof ring</td>
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<td>GA0000107-F1</td>
<td>GA0000108-F1</td>
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<td></td>
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</tbody>
</table>

**For KT Type (2-point or 3-point hole type mounting / terminal block)**

<table>
<thead>
<tr>
<th>Component</th>
<th>SKS/SF08/SL08</th>
<th>SKH**/SF10/SL10</th>
<th>SKP**/SL15</th>
<th>φ100mm</th>
<th>φ80mm</th>
<th>φ50mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mounting bracket</td>
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<td>GA00000513-F1</td>
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<tr>
<td>Waterproof sheet</td>
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<td>GA00000500-F1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*3 Not compatible with SKH-A / SKS-A / SKH-EA
*4 Not compatible with SKP-A