LED + Brushless Motor + Mechanism

Long Life

Water Resistance
Dust Resistance

High Visibility

Vibration Resistance

New Frontiers in Safety, Security and Comfort

MAINTENANCE FREE

LED Revolving Warning Light RLR

12/24V DC • 48V DC • 90~250V AC

IP66

RoHS

LED Emitting Diode

IP6X: Total Protection against dust (dust-tight).
IPX6: Protection against heavy seas
LED Revolving Warning Light

Ideal for forklift, material handling equipment and a great variety of applications

LED + Brushless Motor + Bearing Mechanism

- **Long Life**
  The RLR has many advantages compared to a rotating beacon with incandescent bulb and standard motor. The LEDs last approximately 20x to 40x longer than an incandescent bulb.
  The combination of the brushless motor and bearing mechanism allows the RLR to operate for 8,000 hrs to 10,000 hrs compared to 5,000 hrs for other rotating beacons.

- **High Visibility**
  High-power LEDs are located at the top and bottom of the beacon. Our high-intensity LEDs and innovative reflector design ensure outstanding illumination and exceptional brightness from any direction and distance.

- **High Protection**
  In a conventional (brushed) DC motor, the brushes make mechanical contact with a set of electrical contacts on the rotor (called the commutator), forming an electrical circuit between the DC electrical source and the armature coil windings. As the armature rotates on axis, the stationary brushes come into contact with different sections of the rotating commutator. The commutator and brush system form a set of electrical switches, each firing in sequence, such that electrical-power always flows through the armature coil closest to the stationary stator (permanent magnet).

- **Vibration Resistance**
  Unique rubber base absorbs the vibration generated from equipment and enables stable operation even at high vibration up to 110m/s².

**Typical Vibration Values**

<table>
<thead>
<tr>
<th>Vibration Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2G</td>
<td>Passenger Car</td>
</tr>
<tr>
<td>4.5G</td>
<td>Construction Machinery</td>
</tr>
<tr>
<td>7G</td>
<td>Emergency Vehicle</td>
</tr>
<tr>
<td>11G</td>
<td>Dump Truck</td>
</tr>
</tbody>
</table>

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.

CAUTION

PATLITE Corporation
8-8, Matsuymachi, Chuo-ku, Osaka, Japan 542-0087 TEL.+81-6-6763-8220 FAX.+81-6-6763-8221
International Division, Sales and Marketing Department

PATLITE (U.S.A.) Corporation
20130 S. Western Ave., Torrance, CA 90501, U.S.A. TEL.+1-310-328-3222 FAX.+1-310-328-2676

PATLITE Europe GmbH
Am Soldnermoos 8, D-85399 Hallbergmoos, Germany

PATLITE (SINGAPORE) PTE LTD
No.2 Leng Kee Road, #05-01 Thye Hong Centre, Singapore 159086 TEL.+65-6226-1111 FAX.+65-6324-1411

PATLITE (CHINA) Corporation
Room 512, Jufeng Business Building, No.697-3 Lingshi Road, Shanghai China 200072 TEL.+86-21-6630-8969 FAX.+86-21-6630-8938

http://www.patlite.com E-mail: overseas@patlite.co.jp

For the benefit of mankind and the earth, Patlite is committed to developing environmentally friendly products.