



PATLITE RLR Series Large LED Revolving Warning Light Instruction Manual

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PATLITE

PATLITE RLR Series Large LED Revolving Warning Light



Product Information

- Product Name: Large LED Revolving Warning Light

- Model Number: GA0007873_02
- Product Description: This is a large LED revolving warning light that is designed to provide visual warnings in various settings.

Product Usage Instructions

1. Installation and Wiring:

- Ensure that installation and wiring are performed by a professional contractor or expert technician.
- Improper installation may result in fire, electric shock, falling, or malfunction.

2. Reading User's Manual

- Before operating the product, make sure to read the user's manual provided.
- The user's manual contains important information on how to safely use and operate the product.

3. Cleaning:

- Use a soft cloth dampened with water to clean the product.
- Avoid using thinner, benzine, gasoline, or oil for cleaning.

4. Safety Precautions:

- Do not put flammable materials such as paper or cloth on the rotating light while it is in operation to prevent fire hazards.
- Ensure the power is off before wiring, repairing, or replacing parts to avoid short circuits, electric shocks, or burns.
- Do not operate the product with the globe removed, cracked, or loosened, as it may cause injury from the mirror or the product falling.
- If installing the product requires construction work, it is recommended to consult a specialist to avoid electric shock, fire, or other hazards.

For any further questions or assistance, refer to the contact information at the end of the user's manual and contact your nearest PATLITE Sales Representative.

Notice to Customer

Thank you very much for purchasing our Patlite products.

- This product requires installation, wiring, and other related work. Be sure to ask an expert technician to perform these procedures.
- This installation manual is intended for the technician who performs the installation and wiring of the product.
- A separate user manual is provided for customers who operate the product after installation.
- Be sure to read the user's manual before operating the product.

DANGER

Indicates an imminently dangerous condition: failure to follow the instructions may lead to death or serious injury

WARNING

Indicates an imminently dangerous condition: failure to follow the instructions may lead to death or serious injury
Request the installation and wiring to be accompanied by a professional contractor. If installation is done improperly, it may result in fire, electric shock, falling, or malfunction.

CAUTION

Indicates a potentially dangerous condition: failure to follow the instructions may lead to slight injury or property damage

In order to prevent any damage to the user and other personnel or to assets, note the following:

DANGER

Do not put flammable material, such as paper or cloth, on the rotating light while it is in operation. It may cause a fire.

caution

risk of fire

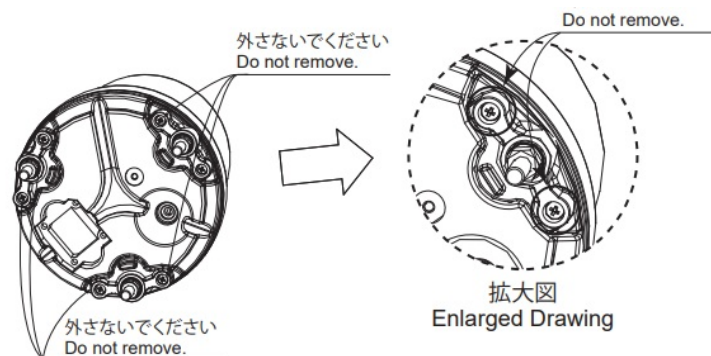
WARNING

- Make sure the power is off before wiring, repairing, or replacing parts to avoid a short-circuit, electric shock, or burn.
- Do not operate this product with the globe removed, cracked globe, or loosened globe. Possible injury from the mirror or the product falling may occur.
- Make sure the power is turned off before repairing to avoid electric shock or burns.
- If installing this product requires construction work, please ask a specialist in order to avoid electric shock, fire, or personal injury.
- When this product is used for security purposes, it should be inspected daily. In case a malfunction should occur, it is recommended that you use this product together with other security products.
- Do not use this product to support your weight while climbing onto a machine. Mount the product so that it is clear of any moving parts – such as a machine cover.

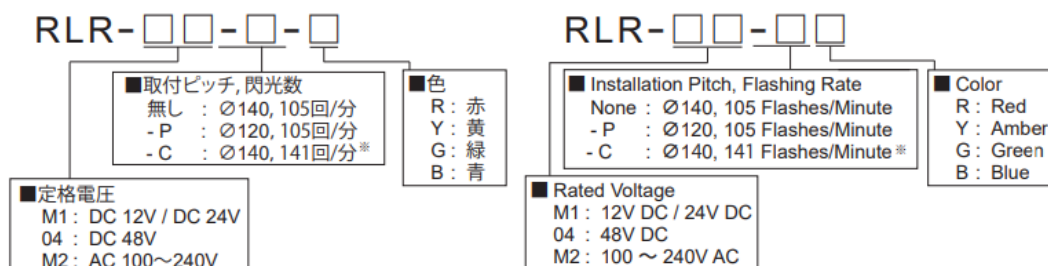
CAUTION

- Ensure the proper working voltage is used and that direct current or alternating current is properly applied.
- Install the external contact fuse on the power supply side as shown in the wiring example in order to prevent damage in case of a wiring error

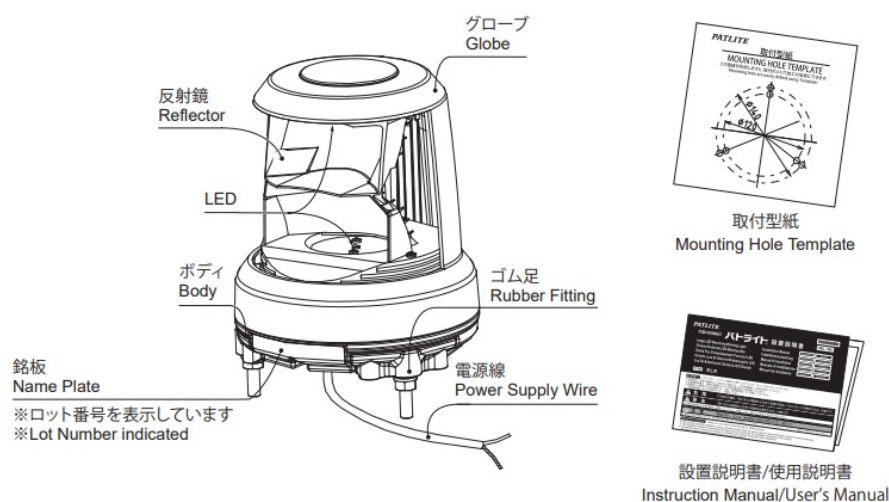
This product is a sealed structure to comply with the required performance of the International Protection rating "IP 66". Therefore, this product is not to be taken apart. The IP performance cannot be guaranteed if it is taken apart. (Do not remove the six screws specified in the figure below.)



Model Number Configuration



Part Names

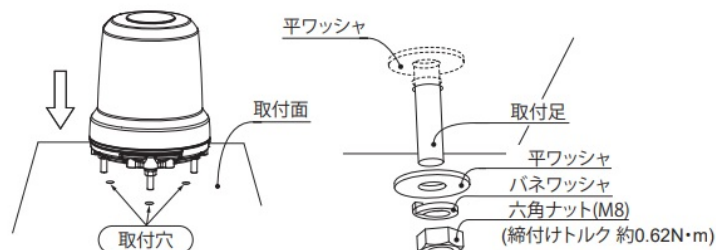


Installation

CAUTION

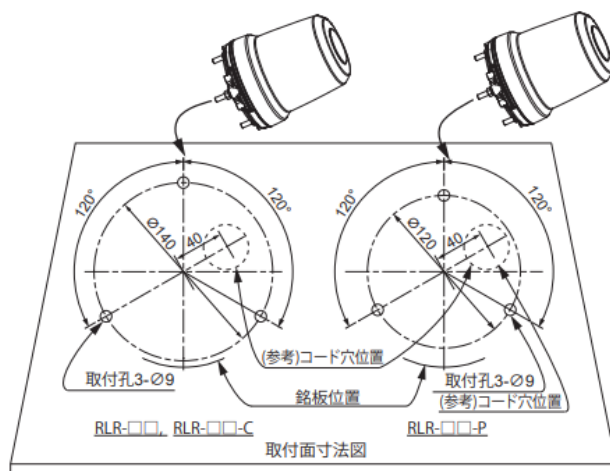
- When installing the unit in a high place, choose the place where a foothold can be secured in case repairs are needed.
- Follow the precautions below to preserve the product's life from vibration, although this product is designed to withstand a certain amount of vibration.
- Do not install directly on vibrating or shock-producing equipment that exceeds its specifications.
- Do not install on a column or a wall experiencing vibration that exceeds its specifications.
- Use rigid angle brackets to prevent the product from swinging, caused by wind and other vibrations.
- If waterproofing is necessary, waterproof the mounting feet and cable hole.
- Drill holes into the mounting surface, according to the Installation Dimension Drawing.

- Fasten with the nuts included and tighten.



CAUTION

- Make sure the power is OFF before wiring. A short circuit may damage internal circuits or cause an electric shock.
- Ensure the proper working voltage is used and that direct current or alternating current is properly applied.
- Pay particular attention to wiring, because any mistakes in wiring may cause a circuit to break down. Refer to the wiring examples when wiring. Be sure to use crimp-type terminal connectors.
- Install the external contact fuse on the power supply side as shown in the wiring example in order to prevent damage in case of a wiring error.
- Do not pull the power cord or push it inside the body.
- The protection rating does not include the wire ends.
- If the ends of the wire are in contact with water or exposed to dew or condensation, refer to the indications below to dress the wire ends for water and oil resistance.
- connect the wire ends in a location that will not expose the ends to water or oil.
- se Fillers, such as silicon, etc., to seal the wire ends.
- Do not use the power cord in the state that pulled straight it.
- This product is in danger of breakdown inside of it when you use it continuously with even little stress.

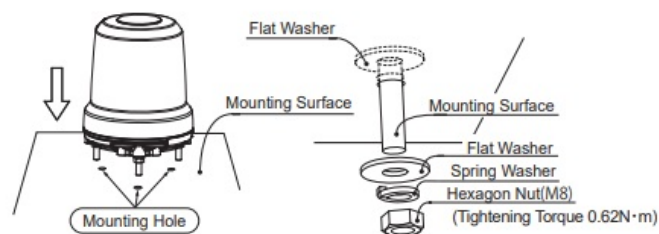


※取付方向制限について【屋外・屋内】

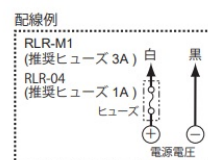
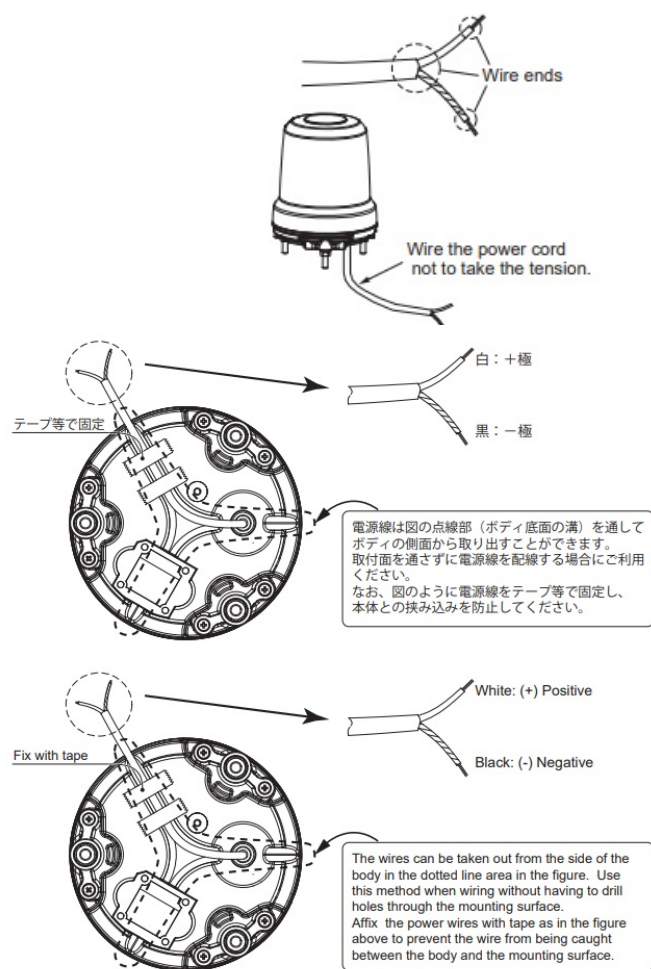
型式	正方向	逆方向	横方向
RLR-M1, RLR-M1-P RLR-04, RLR-04-P RLR-M2, RLR-M2-P	 OK	 OK	 NG
RLR-M1-C	 OK	 NG	 NG

横方向取付けは
行わないでください。

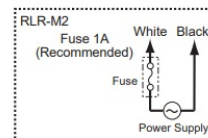
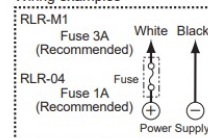
横方向・逆方向取付けは
行わないでください。



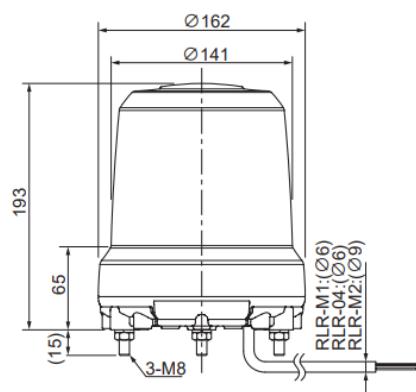
Specifications



Wiring examples



Dimensions



(単位: mm)

(Unit: mm)

型式 Model	定格電圧 Rated Voltage	閃光数 Flashing Rate	消費電力 Power Consumption	質量 Mass	電源線長さ Power Supply Wire Length	線種・線径 Wire Type / Dimension
RLR-M1-□ RLR-M1-P-□	DC12V/DC24V 12V/24V DC	105回/分 105Flashes/m	7.6W	1.00kg	製品底面より 330mm From product bottom 330mm	HVCTF / 0.5mm ² ×2C
RLR-M1-C-Y		141回/分 141Flashes/m		1.01kg		
RLR-04-□ RLR-04-P-□	DC48V 48V DC	105回/分	8.2W	1.00kg		
RLR-M2-□ RLR-M2-P-□	AC100~240V 100~240V AC	105Flashes/m	7.8W	1.06kg		VCT / 0.75mm ² ×2C

Specifications


- R, Y, G, B
- DC12V : 12A, 0.3ms DC24V : 23A, 0.3ms DC48V : 0.5A, 800ms
- AC100V : 11A, 0.7ms AC200V : 21A, 0.7ms IP66
- Inrush Current 12V DC : 12A,0.3ms 24V DC : 23A,0.3ms 48V DC : 0.5A,800ms 100V AC : 11A,0.7ms 200V AC : 21A,0.7ms
- Protection Rating: IP66
- Regarding to 12V/24V DC Type: This product has been tested and found to comply with the limits for a Class A device.
- These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.
- This product must not be used in residential areas.

Optional Parts

- Model Product Name
- Wall Mount Bracket SZ-008
- SZ-023

The images in this manual may vary in comparison to the actual product and are only for the purpose of illustration. Specifications may change without notice due to continual product improvement.

Documents / Resources

	<p>PATLITE RLR Series Large LED Revolving Warning Light [pdf] Instruction Manual</p> <p>RLR Series Large LED Revolving Warning Light, RLR Series, Large LED Revolving Warning Light, LED Revolving Warning Light, Revolving Warning Light, Warning Light, Light, RLR-M1 Series, RLR-M1-P Series, RLR-M1-C-Y, RLR-04 Series, RLR-04-P Series, RLR-M2 Series, RLR-M2-P Series</p>
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