

# RLR

## LED Revolving Warning Light



LED



Ø162

IP66



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

### FEATURES

- Has the CE mark and conforms to the requirements (for 12V, 24V, 48V type) for the EC directive.
- Colors available are Red, Amber, Green, and Blue.
- RLR complies with the RoHS Directive.

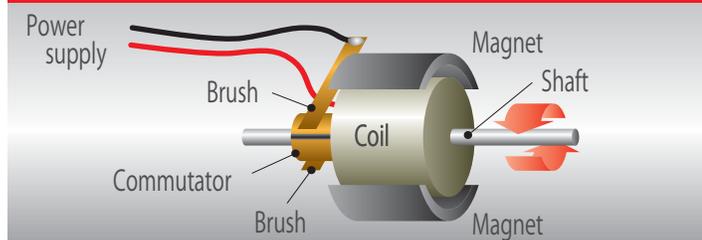
## LED + Brushless Motor + Bearing Mechanism



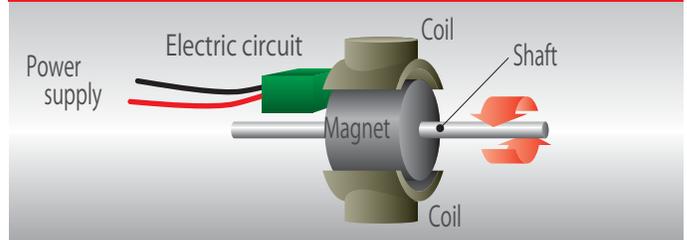
## Long Life

The RLR has many advantages in comparison to a rotating beacon using incandescent bulbs and the conventional motor. The LED will last approximately 20 to 40 times longer than an incandescent bulb, and in combination with a brushless motor with bearings, allows the RLR to operate from 8,000 hrs to 10,000 hrs, compared to 5,000 hrs for other rotating beacons.

### Conventional Motor Construction



### Brushless Motor Construction





Vibration  
Resistance\*



High  
Visibility



High  
Protection

## IP66 TEST PROCEDURE

IPX6= Water is sprayed for at least 3 minutes at a flow rate of 100 L/min from a distance between 2.5m to 3.0m, and from all 360° directions using a 12.5mm diameter jet hose nozzle.

IP6X= The target unit is tested under-pressure in a dust chamber for 8 hours.

## How to Order

<b>Model Code</b>	<b>Rated Voltage</b> 04 : DC 48V M1 : DC 12-24V M2 : AC 90~250V	<b>RLR-04-P-R</b>	<b>Color</b> R : Red Y : Amber G : Green B : Blue	<b>Mounting Dimensions</b> Blank : φ140 P : φ120
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## Typical Vibration Values

2G (19.6m/s<sup>2</sup>)



Passenger Car

4.5G (44.1m/s<sup>2</sup>)



Construction Machinery

7G (68.6m/s<sup>2</sup>)



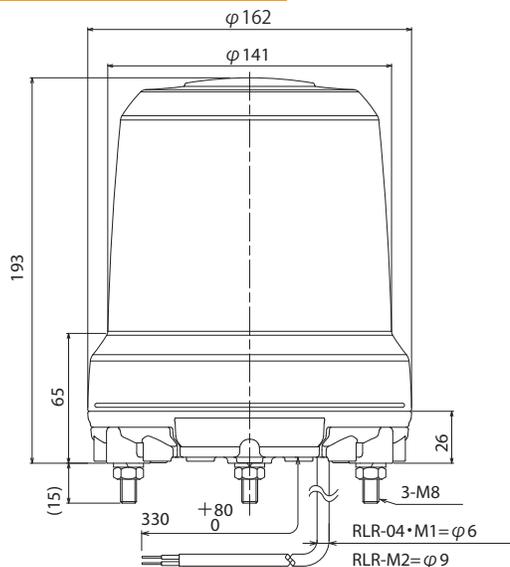
Emergency Vehicle

11G (107.8m/s<sup>2</sup>)

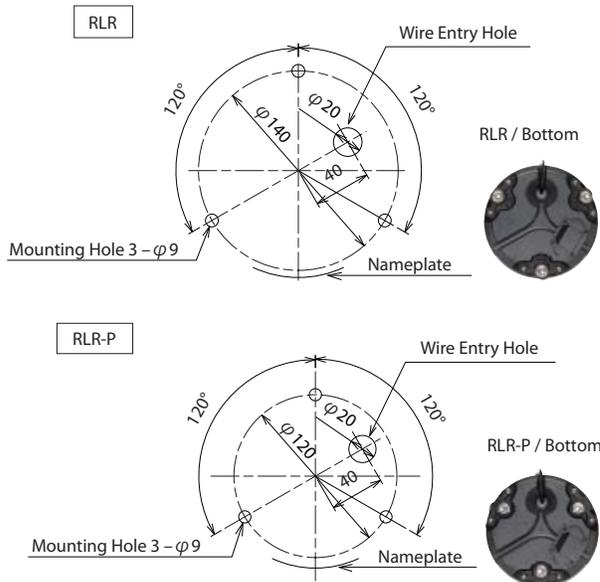


Dump Trucks

## Dimensions



### Mounting Dimensions



(Unit: mm)

## Specifications

Model	Rated Voltage	Operating Voltage Range	Vibration Resistance	Operating Temperature Range	Dome	Mass
RLR-M1	DC 12-24V	DC 9.5V - 15V	110m/s <sup>2</sup> (11G)	-30 C - +70 C	-R (Red)	1.0kg
RLR-04	DC 48V	DC 20V - 30V			-Y (Amber)	
RLR-M2	AC 90-250V	AC 90V - 250V	45m/s <sup>2</sup> (4.5G)	-10 C - +50 C	-G (Green)	1.06kg
					-B (Blue)	