

# PATLITE®

Flashing Beacon: GL7, GL7T  
Rotating Beacon: GF7

## Rugged, Outdoor Rated Warning Beacon For Use in Harsh Environments

### Dimensions (Unit:mm)

**GL7/GF7**

**GL7T**

### Mouting Dimensions

### Wiring Example

**GL7-M1N-T/ GL7T-M1N-T**

**GL7-M1N-Y/ GF7-48N-Y**

\*1: Lead wires  
Cross-sectional area 0.5mm²

\*2: Waterproof connector  
Mfr: TE Connectivity  
Model No.: DEUTSCH connector DT04-4P-CE02

### Waterproof Connector Pinouts

**GL7-M1NC1-T/ GL7T-M1NC1-T**

\*1 When operating without a battery, connect the power input to power supply (+) and the earth wire to (-).

### Specifications

Model	GL7-M1NC1-T	GL7T-M1NC1-T	GL7-M1N-T	GL7T-M1N-T	GL7-M1N-Y	GF7-48N-Y
Luminous color	3 colors (Red, Amber, Green)				1 color (Amber)	
Rated Voltage	12-24V DC				48V DC	
Power consumption	Max. 4.6W				8.9W	5.8W
Mounting Location	Indoor/Outdoor (Construction equipment allowed)					
Mounting Direction	Upright, Sideways, Inverted (Indoor only)					
Protection Rating	IP6X, IPX6 (IEC 60529), IPX9K (ISO 20653)					
Environmental Condition	Upright					
Vibration Resistance	110m/s² (JIS D 1601:1995)					
Impact Resistance	1,000m/s² 11ms (IEC 60068-2-27:2008)					
Communication Specification	CAN		-			
Communication Protocol	SAE J1939		-			
Mass (Tolerance ±10%)	150g	140g	140g	130g	140g	140g

### Model Code

Model Number	Series	Rated Voltage	Control spec.	Luminous Color
GL7	Flashing Beacon	M1 12 - 24V DC	(blank) Voltage control	T 3 colors (Red Amber Green)
GL7T	Flashing Beacon	48 48VDC	C1 CAN communication(J1939)	Y Amber
GF7	Rotating Beacon			

### PATLITE Corporation

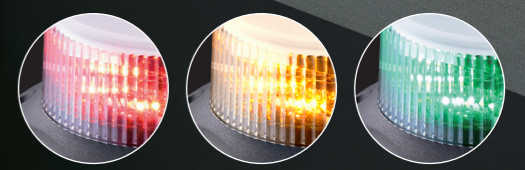
- |                                     |                                     |
|-------------------------------------|-------------------------------------|
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**CAUTION**

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.



Luminous Colors:



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0-BE05A EN 2507

RoHS 10 CE UK CA

**No.1 Global Share**  
in Signaling device  
\*2023, Global Info Research

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# Rugged, Outdoor Rated Warning Beacon

## Designed for Extreme Environments

Vibration Resistant

Vibration res. **110** m/s<sup>2</sup>

Dust Proof and Water Resistant

**IP69K**

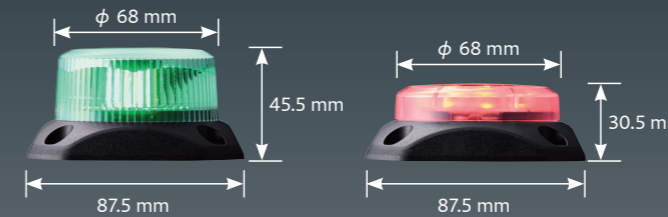
Impact res. **1,000** m/s<sup>2</sup>

High-Temperature, High-Pressure Washable

Compliant with international standards, including EMC (ISO 13766-1) and environmental testing (ISO 16750).

## Space-saving Compact Design

Slim design requiring minimal installation space, ideal for use on compact construction machinery and forklifts.



## Multiple flash patterns available to suit your application.

- Easily distinguish status through three-color LED and distinctive flash patterns.
- Clear differences in flash patterns ensure visibility and accessibility for users with color vision deficiency.

Series	Light Emission Direction	Wire Lead Controlled Model Flash patterns	CAN Controlled Model Flash patterns <span style="font-size: small;">4 Adjustable Brightness Levels</span>
<b>Flashing Beacon GL7</b> <p>12-24v DC 3-colors</p>	Upright	<b>Fixed Patterns</b> Pulsing <span style="float: right;">Low</span> Double flash <span style="float: right;">Mid</span> Triple flash <span style="float: right;">High</span>	<b>Configurable Patterns</b> Continuous Pulsing <span style="float: right;">Low</span> Single flash <span style="float: right;">Mid</span> Double flash <span style="float: right;">High</span> Triple flash
<b>Flashing Beacon GL7T</b> <p>12-24v DC 3-colors</p>	Sideways	<b>Fixed Patterns</b> Pulsing <span style="float: right;">Low</span> Double flash <span style="float: right;">Mid</span> Triple flash <span style="float: right;">High</span>	<b>Configurable Patterns</b> Continuous Pulsing <span style="float: right;">Low</span> Single flash <span style="float: right;">Mid</span> Double flash <span style="float: right;">High</span> Triple flash
<b>Flashing Beacon GL7</b> <p>12-24v DC 1-color</p>	Upright	<b>Fixed Pattern</b> Double flash <span style="float: right;">High</span>	<b>Indication Example</b> Pulsing <span style="float: right;">Safe</span> Double flash <span style="float: right;">Caution</span> Triple flash <span style="float: right;">Warning</span>
<b>Rotating Beacon GF7</b> <p>48v DC 1-color</p>	Upright	<b>Fixed Pattern</b> Chase light	Flash Pattern Videos

## 2 Control Options Available

### CAN Communication Control

- Compatible with SAE J1939: communication protocol. Ideal for construction machinery.
- Lighting patterns and four selectable brightness levels can be configured through communication control.

### Wire Lead Control

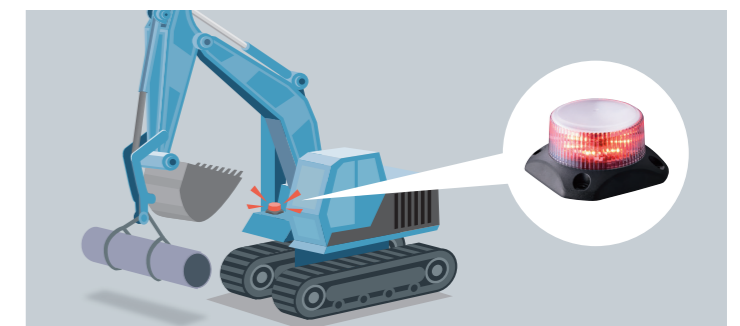
- Non-communication type controlled with wire leads
- Distinct, fixed flash patterns per color help ensure visibility and support users with color vision deficiency.

## Applications

### Status indication for remotely operated



### Overload prevention indication



### Safety measures in logistics warehouses



### Visual alerts in noisy environments



### Easy Magnetic Mount

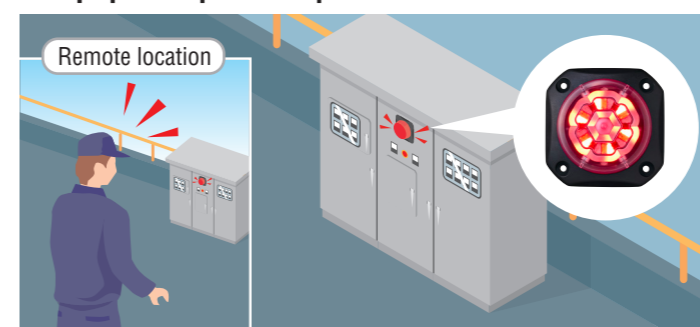
With the optional magnetic bracket, you can install the unit without drilling or making any modifications\*, making it ideal for use with rental equipment.

\*Compatible Models : GL7-M1N-T, GL7T-M1N-T, GL7-M1N-Y, GF7-48N-Y  
\*When mounted with GL-001, the vibration resistance will be 45 m/s<sup>2</sup>.

Option



### Equipment pilot lamp



### Outdoor equipment fault and status alerts

