PATLITE®

Flashing Beacon: GL7, GL7T
Rotating Beacon: GF7

Rugged, Outdoor Rated Warning Beacon For Use in Harsh Environments

Luminous Colors:

RoHS 10 CE UKCA

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

www.patlite.com

Rugged & Outdoor Rated

Designed for Extreme Environments

Vibration Resistant

Vibration res. 110 m/s^2

Impact res. 1,000 m/s^2

Dust Proof and Water Resistant

IP69K

High-Temperature, High-Pressure Washable

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

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 (4 Adjustable ★ Brightness Levels)
Flashing Beacon GL7 12-24V DC, 3-colors		**Fixed Patterns** Pulsing — Low Double flash — Mid Triple flash — High	**Configurable Patterns** Continuous Pulsing / Single flash / Double flash / Triple flash × Low / Mid / High × 3 colors
Flashing Beacon GL7T 12-24V DC, 3-colors		**Fixed Patterns** Pulsing — Low Double flash — Mid Triple flash — High	**Configurable Patterns** Continuous Pusling / Single flash / Double flash / Triple flash × Low / Mid / High × 3 colors
Flashing Beacon GL7 12-24V DC, 1-color		**Fixed Pattern** Double flash — High	**Indication Example** Pulsing ● — Safe Double flash ★★ — Caution Triple flash ★★★ — Warning
Rotating Beacon GF7 48V DC, 1-color		**Fixed Pattern** Simulated Rotation	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.

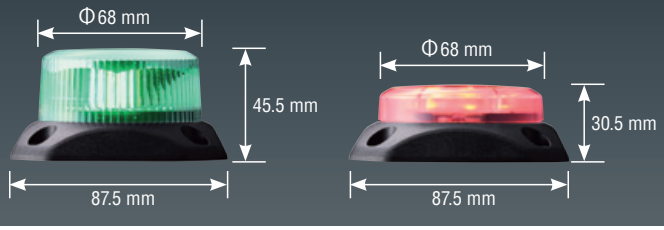
Wire Lead Control

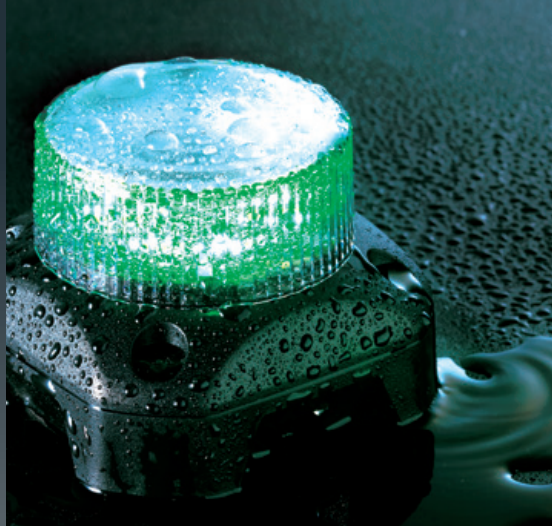
- Non-communication type controlled with wire leads
- Distinct, fixed flash patterns per color help ensure visibility and support users with color vision deficiency.

Compact Warning Beacon

Space-saving Compact Design

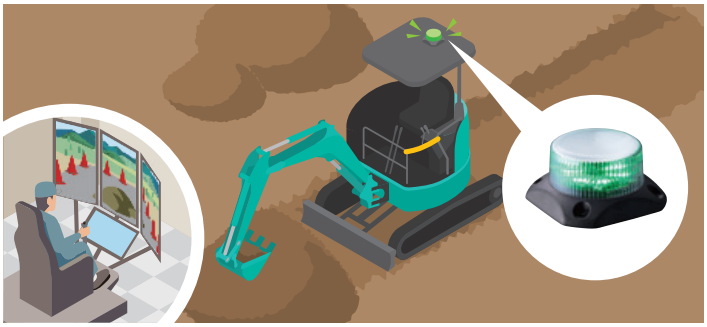
Slim design requiring minimal installation space,
ideal for use on compact construction machinery and forklifts.



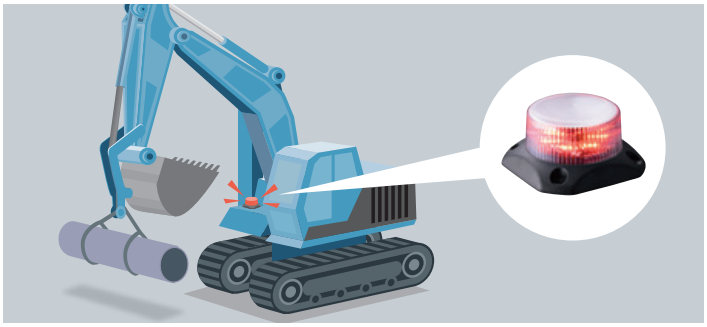


Applications

Status indication for remotely operated



Overload prevention indication



Safety measures in logistics warehouses

Visual alerts in noisy environments

Easy Magnetic Mount

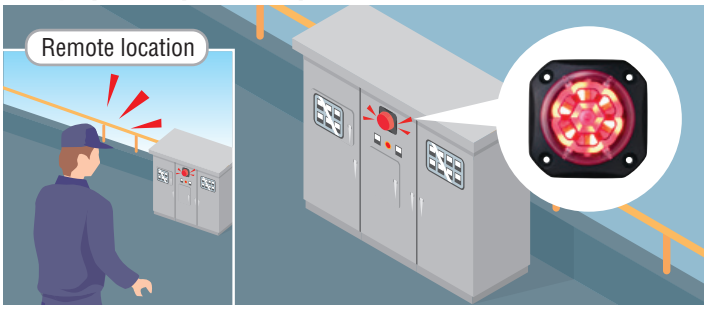
With the optional magnetic bracket, you can install the unit without drilling or making any modifications*, making it ideal for use with rental equipment.

*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/s².

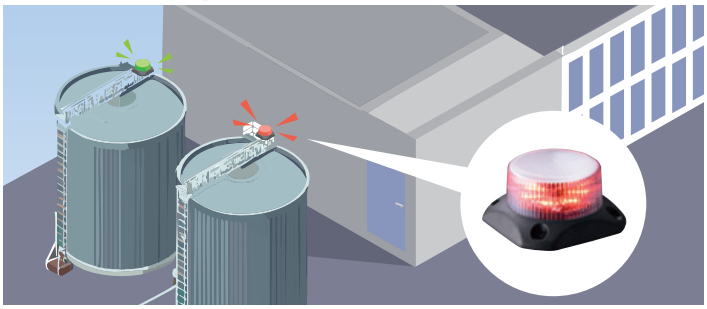
■ Option

Magnet Bracket
GL-001

Equipment pilot lamp

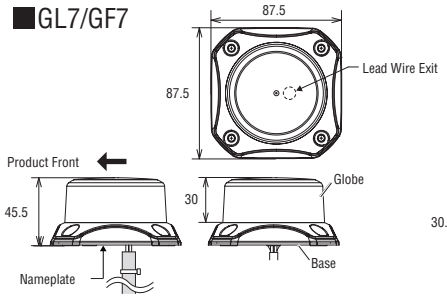


Outdoor equipment fault and status alerts

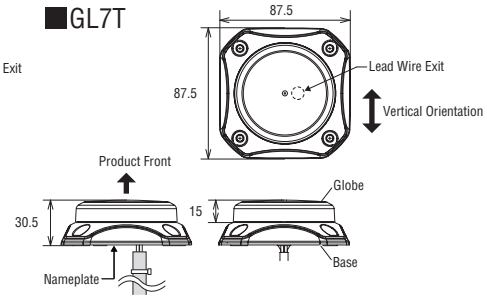


Dimensions (Unit:mm)

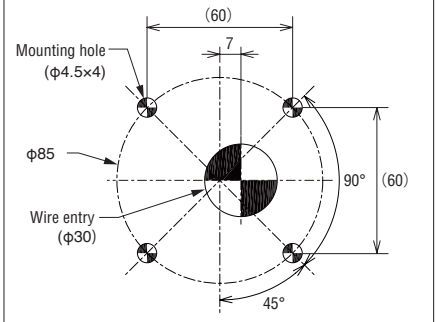
■GL7/GF7

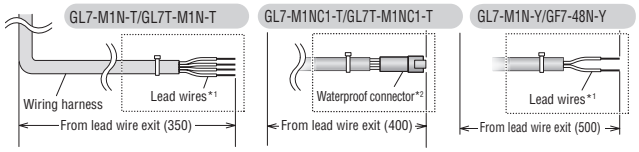


■GL7T



■Mouting Dimensions





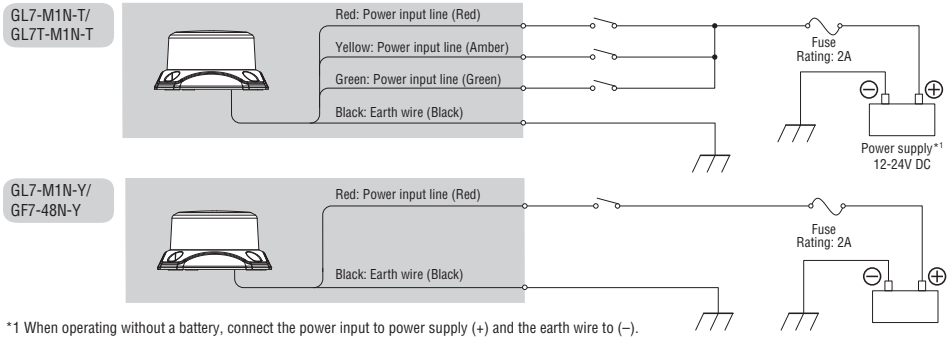
*1: Lead wires

Cross-sectional area	0.5mm²

*2: Waterproof connector

Mfr	TE Connectivity
Model No.	DEUTSCH connector DT04-4P-CE02

■Wiring Example

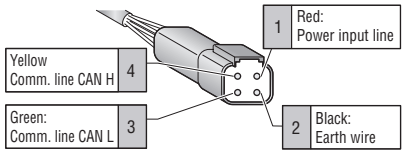


Power supply*1
In the case of GL7-M1N-Y: 12-24V DC
In the case of GF7-48N-Y: 48V DC

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

■Waterproof Connector Pinouts

GL7-M1NC1-T/
GL7T-M1NC1-T



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 consumpion Max.	4.6W				8.9W	5.8W
Mounting Location	Indoor/Outdoor (Construction equipment allowed)					
Mounting Direciton	Upright, Sideways, Inverted (Indoor only)					
Protection Rating	IP6X, IPX6 (IEC 60529), IPX9K (ISO 20653)					
Environmental Condition	Upright / Sideways					
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

	Series		Rated Voltage	—	Control Spec.		Luminous Color
Model Number	↓	—	↓	N	↓	—	↓

Series	
GL7	Flashing Beacon
GL7T	Flashing Beacon (Slim)
GF7	Rotating Beacon

Rated Voltage	
M1	12 - 24V DC
48	48VDC

Control Spec.	
(blank)	Voltage Control
C1	CAN Communication(J1939)

Luminous Color	
T	3 Colors (Red, Amber, Green)
Y	Amber

⚠ 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.

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 E-mail: sales@patlite.com
www.patlite.com

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