OSRAM LEDguardian ROAD FLARE Signal V16 IoT

OSRAM LEDguardian ROAD FLARE Signal V16 IoT User Manual

Model: LEDguardian ROAD FLARE Signal V16 IoT
Brand: OSRAM

1. Introduction

The OSRAM LEDguardian ROAD FLARE Signal V16 IoT is a DGT 3.0 certified LED warning light designed to enhance roadside safety. This device provides a highly visible signal to alert other drivers to your presence in emergency situations. It features real-time localization capabilities and is mandatory for use in Spain from January 1, 2026, replacing traditional warning triangles.

Key features include:

- 360° amber flashing light for maximum visibility.
- DGT 3.0 certification with anonymous data transfer to the DGT platform for real-time vehicle localization.
- 140 lumen light output with a range of up to 1000 meters.
- Integrated 9V battery providing up to 2.5 hours of operation.
- Magnetic base for quick and secure attachment to vehicle surfaces.
- Durable and weather-resistant design (IP54 rated).

2. Safety Information

- Always ensure the device is securely attached to a metallic surface on your vehicle, such as the roof, to prevent it from falling.
- Do not stare directly into the light source when activated, as it can cause eye strain.
- This device is intended as a warning signal. It does not replace the need to contact emergency services (police, ambulance, etc.) in case of an accident or breakdown.
- Check local traffic regulations regarding the use of auxiliary warning lights, especially outside of Spain.
- Keep out of reach of children.

3. Package Contents

Verify that all items are present:

- 1 x OSRAM LEDguardian ROAD FLARE Signal V16 IoT device
- 1 x 9V battery (pre-installed or separate)
- User Manual (this document)

4. Setup

4.1. Battery Installation

The device typically comes with a 9V battery pre-installed. If not, or if replacing the battery:

1. Locate the battery compartment cover on the underside of the device.
2. Twist or slide the cover to open it.
3. Insert a new 9V battery, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

A battery indicator is present to inform you about the battery status.

4.2. Initial Activation and DGT 3.0 Connectivity

The device is designed for immediate use. Upon activation, it automatically connects to the DGT 3.0 platform to signal your vehicle's position. No manual setup for connectivity is required from the user.

Diagram illustrating DGT 3.0 connectivity and real-time localization. The warning light sends anonymous data to the DGT 3.0 platform, which then relays the vehicle's position to other road users and emergency services.

5. Operating Instructions

5.1. Activating the Warning Light

To activate the amber flashing warning light:

1. Remove the device from its storage location (e.g., glove compartment).
2. Press the main power button located on the top of the device. The amber flashing light will activate automatically.
3. Place the device on a flat, metallic surface of your vehicle, such as the roof, using its magnetic base. Ensure it is stable and visible from all directions.

Collage showing various ways to deploy and activate the OSRAM LEDguardian ROAD FLARE Signal V16 IoT, including placing it on a vehicle roof and holding it for activation.

The OSRAM LEDguardian ROAD FLARE Signal V16 IoT deployed on a vehicle roof at night, providing high visibility.

5.2. Using the Flashlight Function

The device also includes a white light flashlight function for practical use during emergencies, such as inspecting a tire or finding items in the dark.

1. To activate the flashlight, press the dedicated flashlight button (often indicated by a light bulb icon).

2. Press again to turn off the flashlight.

Video demonstrating the quick deployment of the V16 warning light with its magnetic base and its high visibility at night.

Video showcasing the V16 warning light's features, including its magnetic attachment, amber flashing mode, and integrated white flashlight function.

6. Maintenance

6.1. Battery Replacement

When the battery indicator shows low power, replace the 9V battery following the instructions in Section 4.1. Use only high-quality 9V alkaline batteries for optimal performance and battery life.

6.2. Cleaning

Clean the device with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these may damage the casing or internal components. Ensure the device is dry before storage.

7. Troubleshooting

- **Device not turning on:** Check if the 9V battery is correctly installed and has sufficient charge. Replace the battery if necessary.
- **Light is dim:** This indicates a low battery. Replace the 9V battery.
- **Device not adhering to vehicle:** Ensure the surface is clean, dry, and metallic. The magnetic base requires a suitable metal surface for secure attachment.
- **DGT 3.0 connectivity issues:** The device is designed for automatic connectivity. If you suspect issues, ensure the device is activated and in an open area with clear signal reception. Contact OSRAM support if problems persist.

8. Specifications

Feature	Specification
Model	LEDguardian ROAD FLARE Signal V16 IoT
Manufacturer	OSRAM
Product Dimensions	11.5 x 11.5 x 9.5 cm
Item Weight	199 grams
Light Type	LED (Light Emitting Diode)
Light Color	Amber (1900K)
Beam Angle	360 Degrees
Light Output	140 lumens
Light Range	Up to 1000 meters
Power Source	Battery Powered (1 x 9V battery included)

Battery Life	Up to 2.5 hours
Material	Metal (for screen material, likely casing includes other materials)
Mounting Type	Roof mounting (magnetic)
Certification	DGT 3.0 certified

Detailed view of the OSRAM LEDguardian ROAD FLARE Signal V16 IoT with key features labeled, including DGT 3.0 certification, weather resistance, battery indicator, LED count, light range, magnetic base, and integrated SIM card.

Technical drawing showing the dimensions of the OSRAM LEDguardian ROAD FLARE Signal V16 IoT, with height and diameter measurements.

9. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the official OSRAM website or contact your local OSRAM dealer. Keep your purchase receipt as proof of purchase.