

CONNECTIVITY

The data transmission service used to communicate the vehicle's geolocation is included in the product price and is unlimited until 2038. Until that date, you will not need to make any additional payments, regardless of the number of alerts or how many times you use your Light Mup.

Telefónica Tech is the provider of the entire communication service for Light Mup. The eSIM cards, unlimited communication service until 2038, and data transmission management are all provided by Telefónica Tech. This information refers solely to the expiration of the tele-communications coverage, not to the device itself. It is a low-power technology and therefore completely safe for the user.

PRIVACY AND ANONYMITY

Communication anonymity is guaranteed in accordance with current regulations. Each device is unique and identified by its serial number (IMEI), which is permanently engraved and visible on the unit. The regulatory conditions for the use of these devices fully ensure the anonymity of communications. For more information, you can visit the website of the Spanish Directorate-General for Traffic at www.dgt.es.

DEVICE TESTING

Light Mup devices are manufactured under the strictest safety and quality controls, and are individually tested before leaving the factory. No additional inspection or maintenance is required, except for battery wear and external cleaning.

You can check the battery level of the beacon by activating the device for 60 seconds to verify that the light functions correctly. If the light intensity decreases after the first 30 seconds, the batteries should be replaced. To perform this check, avoid looking directly at the device from the side where the light intensity is highest. Carry out the test from a distance or indirectly.

Important

Do not leave the device turned on during the check. After 100 seconds, it will transmit geographic location data to the National Access Point for Traffic and Mobility.

STORAGE

This device must be stored inside the vehicle cabin, away from direct sunlight and moisture. It should be within the driver's reach and kept out of the reach of children.

Do not place objects directly on top of the device to prevent accidental activation.

SAFETY NOTICE

This device is equipped with a highly inductive magnetic base. Be careful not to place it near sources that emit or receive magnetic radiation, or near pacemakers. Accidental ingestion of the magnetic base may cause serious injury.

The device includes a radiofrequency connectivity module that operates using Narrowband IoT (NB-IoT) technology. It is safe to use, as it is certified within the legally permitted limits for human exposure to radiofrequency emissions. However, avoid using or placing the device near medical equipment sensitive to RF emissions.

To comply with regulatory RF exposure requirements as defined in EN50385:2017, the device must be kept at a distance of more than 11 cm from people during transmissions.

ELECTRICAL SAFETY

Never attempt to connect the beacon to external power sources other than those provided or approved by Light Mup accessories, as this may cause irreparable damage to the device.

MAINTENANCE

The Light Mup V16 IoT-connected device is a lighting unit and, as such, contains a very bright light that should always be kept as clean as possible. Do not handle the device with dirty hands or expose it to any substance or material that could alter its light-emitting structure.

To clean the device, use non-abrasive substances and avoid flammable liquids of any kind. A small amount of soapy water and a cotton cloth should be sufficient for surface cleaning. Do not submerge the device, as water could enter the interior. Although it can withstand harsh weather conditions, it is not submersible.

WARRANTY

Light Mup is covered by a limited warranty against any material or manufacturing defects for a period of 3 years from the date of purchase. The warranty conditions are as follows:

1. The warranty is valid only upon presentation of the original purchase receipt or invoice (from the distributor or retailer) by the purchaser, along with the product to be repaired or replaced.

2. The warranty will be void if the serial number (IMEI) has been removed or is unreadable.

3. The warranty does not cover any damage or failure resulting from normal wear and tear, physical abuse, incorrect installation, misuse, modifications, or repairs performed by unauthorized third parties.

4. The warranty does not cover liability for any loss or damage incurred during shipping or as a result of force majeure.

5. The warranty does not cover any incidental damage or consequences arising from the use or misuse of this product.

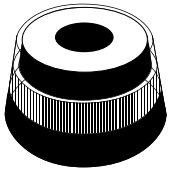
6. All warranty claims are limited to the repair or replacement of the defective product at our sole discretion.

7. If we repair or replace the product, it will remain covered for the remainder of the original warranty period. Repair or replacement may involve the use of refurbished units of equivalent functionality. The replaced part or product will become the property of the manufacturer.

8. The warranty for consumable components, such as batteries, is limited to a period of 6 months from the date of purchase.



V16 Emergency beacon with geolocation



INSTRUCTION MANUAL



www.lightmup.com



You can download the instruction manual here.

Light Mup
is a registered trademark of
Lomisa Distribuciones y Proyectos S.L.U.

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For more information about this product,
visit www.lightmup.com.





INSTRUCTION MANUAL

Light Mup

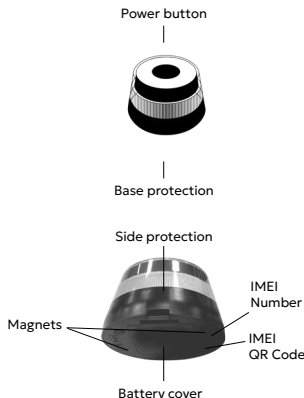
V16 Emergency beacon with IoT
connectivity included until 2038

Thank you for purchasing Light Mup, the IoT-connected emergency beacon certified by the DGT (Spanish Directorate-General for Traffic), with certification IDIADA PC24060215, published on www.dgt.es/v16. This device will become mandatory as of January 1, 2026, according to Royal Decree 1030/2022.

From now on, you will reduce risks in roadside emergencies, as you will no longer need to exit your vehicle to signal your location. Light Mup will flash automatically and transmit your vehicle's position anonymously to the DGT.

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BEACON DESIGN



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IMPORTANCE NOTICE

Read all instructions in this manual carefully and always follow the basic usage and safety guidelines. This device is not intended to be used by children or by individuals who lack the necessary knowledge and information regarding the proper use of the product as described in this manual.

It includes **high-induction magnetic bases**. Keep out of reach of children and avoid placing it near magnetic emission or reception sources, or pacemakers. If the device becomes damaged, dispose of all its components at an authorized recycling point. The same applies at the end of the device's service life.

TECHNICAL SPECIFICATIONS

Light color: Amber
Battery life: Up to 18 months
Protection rating: IP54
Wind resistance: 180 Pa
Flash frequency: 0,8 to 2 Hz
Runtime (with new batteries): Up to 2 hours
Light source: High-intensity LED
Activation/deactivation: Manual via push-button

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Luminous intensity: > 40 cd
Visibility: 360° horizontal / 8° vertical
Operating temperature: -10 °C ... +50 °C
Power source: 3 alkaline batteries LR6 AA
Beacon dimensions: 94 x 94 x 54 mm
Construction materials: ABS and PC
Certification number: IDIADA PC24060215
eSIM: Included
Certifications: CE, RoHS, IP54

NB - IoT Connectivity

Transmission bands: Band 20 and Band 8
Maximum transmission power: +25.7 dBm

FEATURES

Light Mup is a regulatory V16 luminous signaling device with autonomous connectivity through the mobile network. It is certified by an accredited laboratory in accordance with Regulation (EC) No. 765/2008, under certification code IDIADA PC24060215.
It is a lightweight beacon with intuitive operation. With a single press of a button, it emits an automatic bright yellow flash, visible in all directions from over 1 km away.

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It adheres to ferrous metal surfaces and remains stationary within regulatory limits on horizontal surfaces. This device is static and must not be used on surfaces or objects subject to strong movement or vibrations, as it may become detached.

Additionally, it includes a communication module and an integrated eSIM guaranteed by Telefónica Tech, which transmits the vehicle's location to the DGT 3.0 platform only in case of emergency and in a fully anonymous manner, while the beacon is activated.

USAGE

The main objective of the regulation that replaces warning triangles with V16 geolocatable emergency lights is to avoid exiting the vehicle when signaling an incident, thereby reducing the number of accidents in such situations.

In addition to the visual signal, the alert will reach other drivers through the nearest public information panels, providing greater safety for you and other vehicles.

For this reason, it is of vital importance to store your Light Mup inside the vehicle and, if conditions allow, to carry out the following process without exiting the vehicle.

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1. Activation

Press the top button to activate the light. During startup, the device will acquire its location via a GNSS (Global Navigation Satellite System) signal. The beacon includes a digital connectivity module using NB (Narrowband) technology which, once activated, will anonymously connect to the telecommunications network to transmit the vehicle's geographic location to the Spanish Directorate-General for Traffic (DGT). Every 100 seconds, it will send a standardized and anonymous data packet to the National Access Point for traffic and mobility.

2. Placement

Place the beacon on the uppermost and most visible area of the vehicle's roof, where the magnets can achieve maximum grip.

3. Deactivation

Press the top button again to stop the flashing. A final message will be sent to DGT 3.0 indicating the end of the incident. From that moment on, the device will be completely powered off and disconnected, and its position will no longer be visible to connected vehicles or traffic information panels. Therefore, deactivate the beacon only when you are ready to resume driving.

Warning

Improper use of the device, or use for purposes not permitted by law, may result in penalties. Always use the beacon in combination with your vehicle's hazard lights. The device is IP54-certified to withstand rain, but it is not submersible.

Install it in a location protected from vibrations, corrosive gases, and where ambient temperature does not exceed the limits specified in the technical specifications.

Additional safety

Do not look directly at the light beam while it is flashing, especially at night or in low-light environments.

Under no circumstances should you do so from a distance of less than one meter, as it may cause temporary glare or potential eye injury.

BATTERY REPLACEMENT AND DISPOSAL

If the device has been in use for 30 minutes or more, wait 5 to 10 minutes before opening the cover to replace the batteries, as they may be hot.

1. Lift and remove the cover by pressing the locking clip.

2. Remove the batteries and replace them with new ones (always use LR6 AA alkaline batteries) following the polarity markings indicated at the base.

3. Once the batteries have been replaced, reinsert the cover. Press it firmly to ensure a complete seal.

4. Dispose of the used batteries in accordance with the instructions and local regulations on battery recycling, at an authorized collection point. Used batteries must be deposited in designated battery collection containers, which can be found at electronics stores, supermarkets, and local recycling centers.

5. Improper disposal of batteries may harm the environment and human health. Be sure to recycle them properly. For more information about battery recycling, please contact customer service at info@lightmup.com.

Important

If you dispose of the device, make sure to remove the batteries beforehand and recycle them separately and correctly as described in the previous section.

This device has a high power demand, so slight battery heating during operation is normal. Never handle the battery compartment while the device is in use.

Check the condition of the batteries every 6 months, or always before a long trip. Replace the batteries if the light dims significantly or before their expiration date.

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