

Hella 2XD 013 979-001

HELLA RotaLED Compact LED Flashing Beacon

Model: **2XD 013 979-001**

Brand: **Hella**

INTRODUCTION

This manual provides essential information for the safe and efficient use of your HELLA RotaLED Compact LED Flashing Beacon, model 2XD 013 979-001. Please read these instructions carefully before installation and operation.

The RotaLED Compact is an advanced LED warning light designed as a direct replacement for older halogen rotating beacons (Rotafix, Rotaflex, Rota Compact series). It offers enhanced reliability and efficiency due to its LED technology.

- **Key Features:**

- No moving parts, ensuring maximum reliability and minimal wear.
- Maintenance-free LED technology reduces additional parts and service costs.
- Extended service life compared to traditional halogen beacons.
- Effective flashing warning signal for high visibility.
- Operates on 12/24V systems.
- Equipped with 16 LEDs, consuming 10W.
- Features a yellow lens for standard warning applications.

SETUP AND INSTALLATION

The HELLA RotaLED Compact is designed for fixed attachment (screwed mounting). Ensure the mounting surface is flat and secure.

1. Mounting the Beacon

1. Select a suitable, stable mounting location on your vehicle or equipment. The beacon should have an unobstructed view from all necessary angles.
2. Mark the drilling points using the beacon's base as a template.
3. Drill appropriate holes for the mounting screws. Ensure no existing wiring or components are

damaged during drilling.

4. Securely fasten the beacon to the mounting surface using suitable screws and washers. Ensure a tight seal to prevent water ingress.



Image: Top view of the HELLA RotaLED Compact LED Flashing Beacon, showing its yellow lens and black base.

2. Electrical Connection

The beacon operates on 12V or 24V DC power systems. Incorrect wiring can damage the unit and vehicle electrical system. Consult a qualified technician if unsure.

1. Identify the power cables from the beacon. The cable length is approximately 150mm and terminates in a flat plug.
2. Connect the positive (+) wire (typically red) from the beacon to a switched 12V or 24V power source in your vehicle. This source should be protected by an appropriate fuse.
3. Connect the negative (-) wire (typically black or blue) from the beacon to a reliable ground point on the vehicle chassis.
4. Ensure all connections are secure and insulated to prevent short circuits and corrosion.



Image: Underside of the HELLA RotaLED Compact, illustrating the wiring connections (red and blue wires) and mounting points.

OPERATING INSTRUCTIONS

The HELLA RotaLED Compact LED Flashing Beacon is designed for straightforward operation.

1. Once properly installed and wired, activate the power switch connected to the beacon's power supply.
2. The beacon will immediately begin its flashing warning sequence.
3. To deactivate the beacon, turn off the power switch.

Ensure the beacon is only operated when necessary for warning purposes and in compliance with local regulations.

MAINTENANCE

The RotaLED Compact LED Flashing Beacon is designed to be largely maintenance-free due to its solid-state LED technology.

- **Cleaning:** Periodically clean the outer lens with a soft cloth and mild soap solution to ensure maximum light output and visibility. Avoid abrasive cleaners or solvents that could damage the

polycarbonate lens.

- **Inspection:** Regularly inspect the mounting hardware and electrical connections for any signs of loosening, corrosion, or damage. Tighten any loose fasteners and repair damaged wiring as needed.
- **No Internal Servicing:** The LED unit is sealed and contains no user-serviceable parts. Do not attempt to open the beacon, as this will void the warranty and may damage the unit.

TROUBLESHOOTING

If your HELLA RotaLED Compact LED Flashing Beacon is not functioning as expected, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Beacon does not light up or flash.	<ul style="list-style-type: none">◦ No power supply.◦ Blown fuse in the vehicle's electrical system.◦ Incorrect wiring connection.◦ Damaged power cable.	<ul style="list-style-type: none">◦ Check if the power switch is ON.◦ Inspect the fuse and replace if necessary.◦ Verify positive and negative connections are correct and secure.◦ Inspect the cable for cuts or damage; replace if found.
Beacon flashes intermittently or dimly.	<ul style="list-style-type: none">◦ Loose electrical connection.◦ Insufficient voltage supply.◦ Corroded terminals.	<ul style="list-style-type: none">◦ Check and tighten all electrical connections.◦ Ensure the vehicle's electrical system is providing adequate voltage (12V or 24V).◦ Clean any corroded terminals.
Water or condensation inside the lens.	<ul style="list-style-type: none">◦ Improper sealing during installation.◦ Damaged housing or lens.	<ul style="list-style-type: none">◦ Re-check mounting and sealing. Apply a suitable sealant if necessary.◦ If housing or lens is damaged, the unit may need replacement.

If the problem persists after attempting these solutions, contact HELLA customer support or a qualified service professional.

PRODUCT SPECIFICATIONS

TECHNISCHE DETAILS

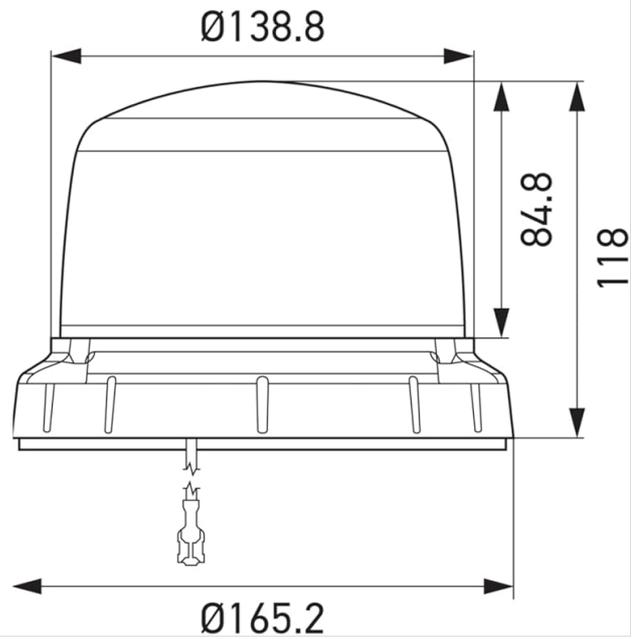
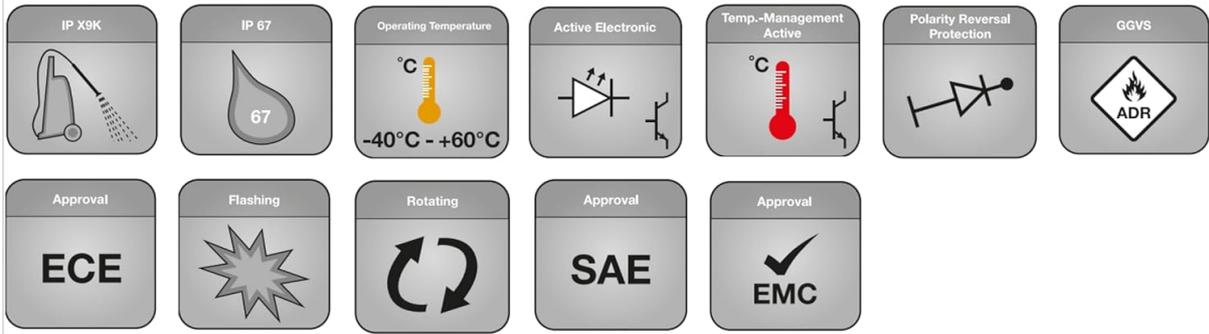


Image: Technical drawing showing dimensions (138.8mm diameter, 118mm height) and various certifications like IP ratings, operating temperature, and approvals (ECE, SAE, EMC).

Feature	Detail
Brand	Hella
Model Number	2XD 013 979-001
Product Dimensions	19 x 19 x 12.5 cm
Item Weight	85 g
Lamp Type	LED
Number of LEDs	16
Power Consumption	10W
Voltage	12V / 24V
Light Function	Flashing Warning Signal
Lens Color	Yellow

Feature	Detail
Material	Polycarbonate
Attachment Type	Fixed (Screwed)
Cable Length	150mm
Connector Type	Flat plug
Country of Origin	Romania

WARRANTY INFORMATION

Specific warranty details for the HELLA RotaLED Compact LED Flashing Beacon are typically provided with the product packaging or can be found on the official HELLA website. Please retain your proof of purchase for warranty claims.

Generally, HELLA products are covered by a manufacturer's warranty against defects in materials and workmanship under normal use. The duration and terms of the warranty may vary by region. For detailed information, please refer to the warranty card included with your product or visit the HELLA official website.

CUSTOMER SUPPORT

For technical assistance, spare parts, or further inquiries regarding your HELLA RotaLED Compact LED Flashing Beacon, please contact HELLA customer support.

- **Online Support:** Visit the official HELLA website for FAQs, product documentation, and contact forms.
- **Contact Information:** Refer to the product packaging or the HELLA website for regional contact details, including phone numbers and email addresses.

When contacting support, please have your product model number (2XD 013 979-001) and purchase date available.