

Operating and maintenance instructions “Translated version”

Ref: LECBV2

N°: NUF11AO00001-A-EN

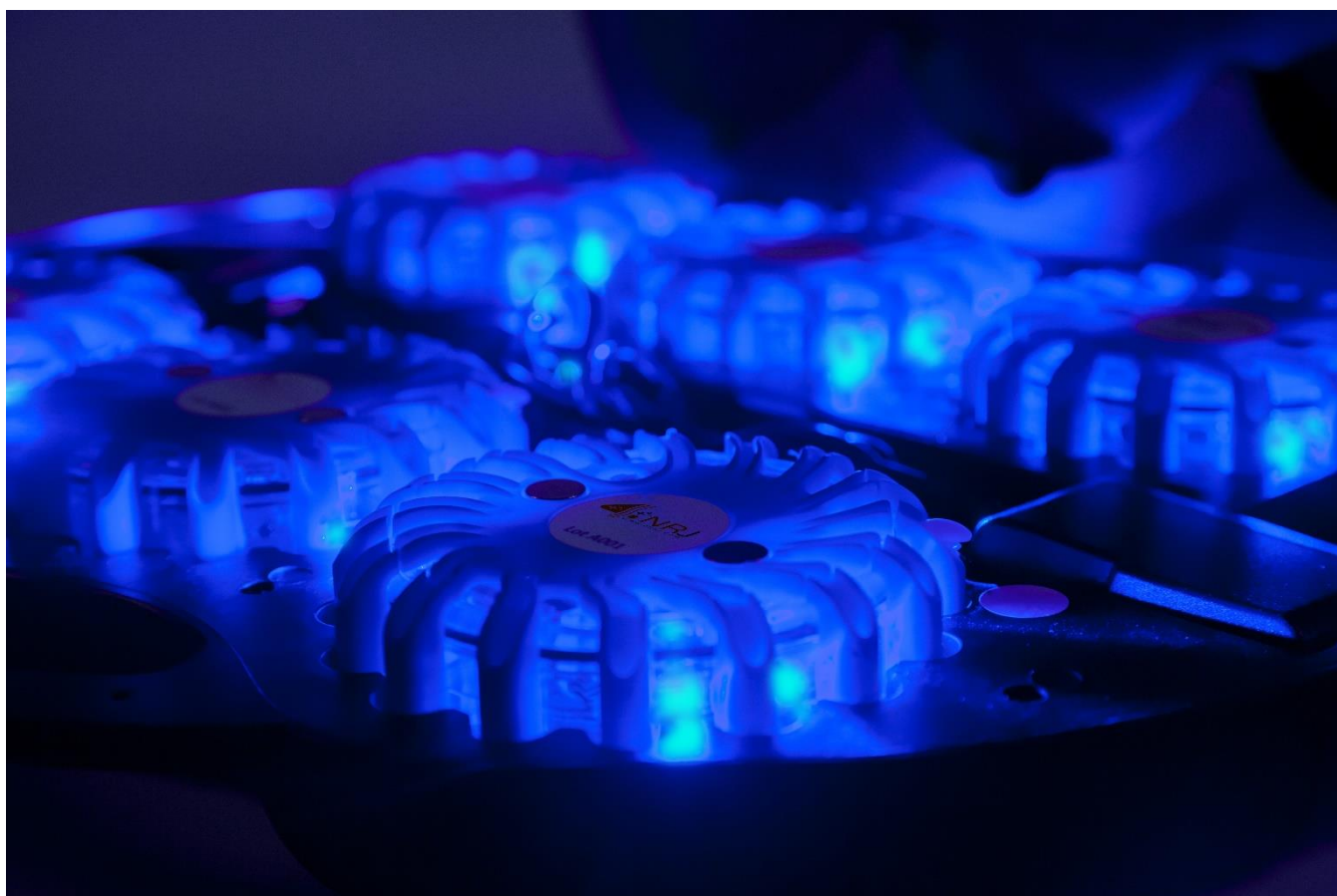
21/03/2024

Operating and maintenance instructions “Translated version”

Site framing lamp

Reference: LECBV2

SNCF approval number: DPI EO 13170





Dear customer,

You have just purchased a product from 4NRJ.

We would like to thank you for the confidence you have shown in us and hope that this acquisition will give you complete satisfaction.

We ask you to pay particular attention to the recommendations contained in this document.

Regular inspection and maintenance are essential if equipment is to be available at all times and used in the safest possible conditions. A product's lifespan depends directly on how carefully it is used and maintained.

To ensure that the characteristics of the product are maintained, 4NRJ draws your attention to the following essential points:

- Keep up with maintenance schedule
- Replace defective components with original parts
- Do not modify anything

We hope that our equipment, designed and manufactured using the latest techniques, will provide you the service you expect.

We are fully available to our customers at any time.

4NRJ



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1. Introduction



The operating instructions are an integral part of this product. It contains important instructions on safety and use. Before using the product, please familiarise yourself with all the operating and safety instructions.

You must use the product in accordance with the instructions given in this document and only in areas suitable for railway operations.

Keep this document in a safe place.

1.1. Compliant field of application

Please observe the conditions of use laid down for this product.

If this is not the case, 4NRJ shall not:

- Guarantee product functionality.
- Be held responsible for the consequences of misuse.

This product is a case containing 6 rechargeable blue lamps. The blue lamps are used to identify the electrical protection poles in accordance with the current rail standards.



Warning!

! This product is designed to be used by people with knowledge of the rules of the railway trade.

! Warning: if the product is faulty, has been used improperly or modified, it may cause incidents.

! Never look directly at the light source.

! Never press the ON/OFF button with a pointed object.

! Warning: this device uses a magnet.

-Risk of pinching

-Magnetic hazard for cardiac equipment.



! Equip yourself with the appropriate personal protective equipment (non-exhaustive list).



2. Description

2.1. Nomenclature



N°	Name	Reference
1	Blue lamp case for recharging blue lamps	VALLECBVIDE
2	Blue site framing lamp (x6)	LAMPELECBV2
3	LECBV2 bag including 6x Ø45 clips	SACLECBV2CLIPSV2
4	Clips for lamps Ø45 (x6)	CLIPSLECB45V2
5	220V power socket for lamp case	LECBP220V
6	Cigarette lighter socket for lamp case	LECBAC

! The blue lamps in the LECBV2 product are intended for marking electrical protection poles in accordance with current railway standards. These are designed to be clipped onto framing poles using the clips supplied in the product bag.

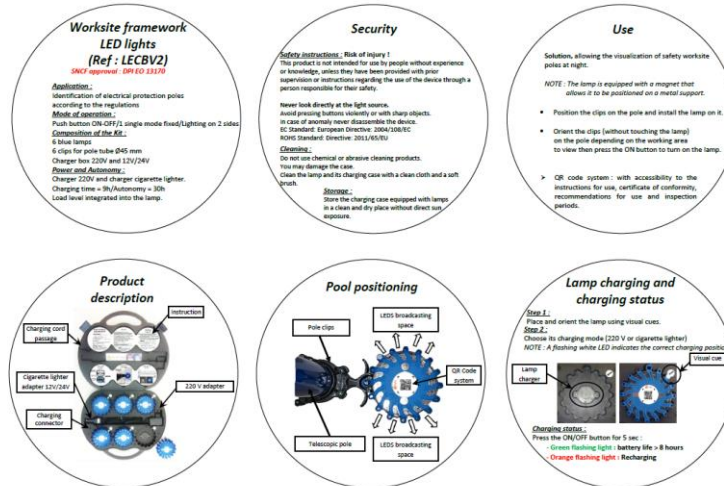
2.2. Technical specifications

VALISE LECBV2	
Power charger:	220 V socket / Cigarette lighter socket
Number of lamps per case:	6
Lamp charge time:	9 h
Dimensions:	450 x 370 x 140 mm
Complete case mass:	3.8kg

LAMPELECBV2	
Mode of operation:	ON-OFF push-button 1 single fixed mode - Lighting on 2 sides
Power supply mode:	Rechargeable lithium-polymer battery
Dimensions:	Ø110 x 35 mm
Battery indicator:	Orange / Green LED system (± 8 h)
Weight:	200g
Battery life:	30 h
Operating temperate:	-20°C to 55°C
CE standard:	European directive: 2004/108/EC
ROHS standard:	Directive : 2011/65/EU
Accessibility via dynamic QR code:	Operating instructions, certificate of conformity, inspection Frequency

2.3. Product labels

Instructions for using the LECBV2 blue lamps are also available in the case lid.



Instructions for fitting LECBV2 blue lamps to catenary poles are also available in the clip bag.



Information about the lamp with the serial number on it can be found by flashing the QR Code on the lamp.




3. Risks and general recommendations

To ensure that the product works properly and fulfils its function, you should always check that it is in good condition before and after use.


Always comply with network consignment procedures.

Risk of use:

 The device is fitted with a magnet.

If you are fitted with a cardiac stimulation device, do not use it.



 Handle the device with care, do not approach any unwanted metal mass.

Risk of pinching. Risk of hand injury.



 Never dismantle the device.

General recommendations (non-exhaustive list):

- ✓ Visually inspect the condition of the tool before use.
- ✓ Avoid impacting your tool.
- ✓ Follow the various stages of the operating procedure.
- ✓ In the event of damage, please contact 4NRJ after-sales service.
- ✓ It is forbidden to change the physical appearance of your tool (non-exhaustive list: painting, engraving, marking).
- ✓ All modifications must be approved in writing by 4NRJ.

Storage & transport (non-exhaustive list):

- ✓ Avoid any risk of falling during transport.
- ✓ Store the lamp case in a clean, dry place away from direct sunlight.

Maintenance (non-exhaustive list):

- ✓ Wipe the device with a clean, lint-free cloth before and after each use.
- ✓ Do not use chemical or abrasive cleaning products.

Refurbishing the tool:

- ✓ If necessary, certain elements must be replaced by elements of the same type. Contact the 4NRJ after-sales service.

If necessary or in doubt, return the product to 4NRJ, which will check and repair it.

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4. Usage

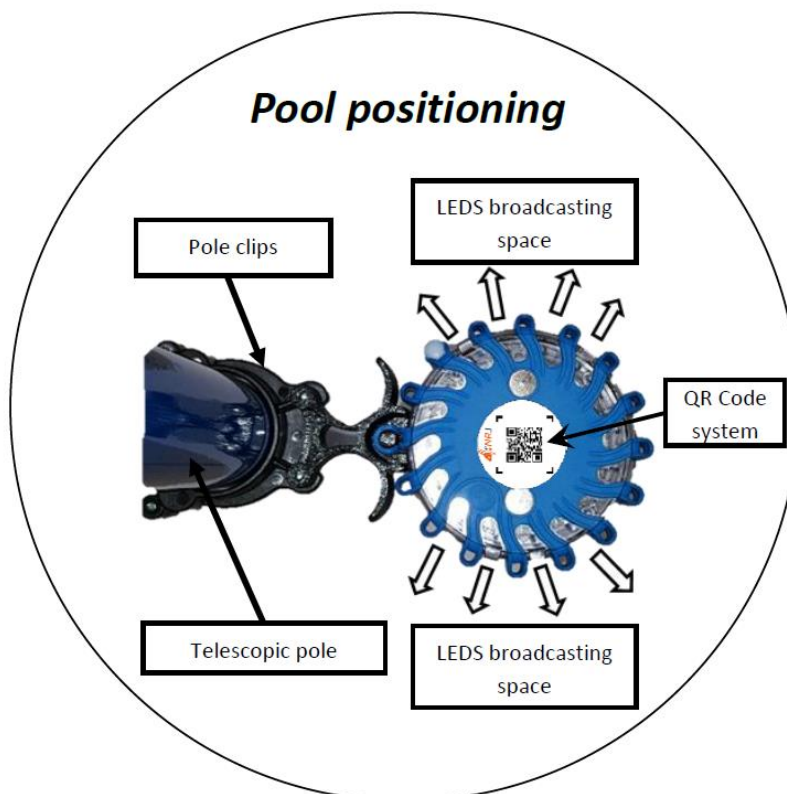
4.1. Fitting the lamp

The blue lamps are designed to locate electrical protection poles.

1. Position the fixing clip on the Ø45 tube of the catenary pole.



2. Install the lamp on the clip.
3. Orient the clip (without touching the lamp) on the pole according to the area of work to be viewed, then press the On button to switch the lamp on.



4.1. End of works

1. Remove the clip with the lamp from the catenary pole.



2. Once the clips have been removed from the pole, extract the lamp from it.

4.2. Charging and state of charge of the lamp

1. To recharge the lamps, place them in the case, orienting the lamps so that the visual markings are opposite the arrows.
2. Choose the charging mode (220V mains or cigarette lighter) and plug in the case. A flashing white LED indicates correct charge positioning.

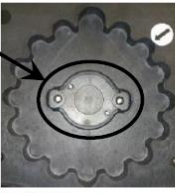

Lamp charging and charging status

Step 1 :
Place and orient the lamp using visual cues.

Step 2 :
Choose its charging mode (220 V or cigarette lighter)

NOTE : A flashing white LED indicates the correct charging position.

Lamp charger

Visual cue

Charging status :
Press the ON/OFF button for 5 sec :

- Green flashing light : battery life > 8 hours
- Orange flashing light : Recharging



5. Inspection & Maintenance

! Product control is essential to ensure a long product life.

Refer to the table below for the frequency of checks to be carried out.

Inspection frequency	Before each use	After each usage	1 year*
Check of the condition of the the lamp	X		
Cleaning with a cloth		X	
Customer control			X

***We recommend that LAMPELECBV2 blue lamps (excluding case and bag) be inspected every year after 3 years.**

The inspection frequency can be seen by flashing the QR code on the lamp.

You can use our 4NRJ Code application to monitor and check the lamp.

The check procedure is explained in the appendix.

If necessary, certain elements must be replaced by elements of the same type. Contact the 4NRJ after-sales service.

If necessary or in doubt, return the product to 4NRJ, which will check and repair it.

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6. Disposal



The product must not be disposed of with household waste.

Recycle the product via an authorised waste disposal company or your local recycling service.



Comply with current regulations.

If in doubt, contact your recycling centre.

7. Warranty

Purpose of the Warranty

The warranty covers damage to the product resulting from an internal defect. The only product that can be guaranteed by 4NRJ is one that has been invoiced by 4NRJ and is still under a 2-year distributor guarantee.

Content of the warranty

The warranty covers the cost of repairing product specified below:

- The cost of parts.
- Labour costs.
- Transport costs.

Cover applies to transport costs in Metropolitan France only.

Replacements

Where repair is impossible or more expensive than replacement, a new product with equivalent technical characteristics will be substituted.

Loan

When repairs are expected to take a long time, the loan of equipment that is functional and in good condition is possible, subject to availability.

Effective date and duration of cover

The guarantee takes effect on the date of delivery of the equipment. The warranty is limited to 2 years.

To benefit from the guarantee

In the event of a claim, the owner must:

- Report the damage within 5 working days, specifying the date, nature and circumstances, to 4NRJ (information below).

On receipt of equipment:

- An appraisal will enable 4NRJ to decide whether to take responsibility for the equipment under warranty.

The guarantee does not apply to:

- Products that are not used in accordance with the manufacturer's instructions or that are not maintained or cleaned properly.

- The cost of transporting the product, the cost of the repairer's journey and the cost of labour relating to an unjustified request for service or to damage that is not guaranteed or not detected by the after-sales service.

- Intervention or repairs carried out by persons not approved by 4NRJ, any makeshift or temporary repairs remaining at the customer's expense, and the consequences of any aggravation of the damage resulting therefrom.

- Damage external to the device (non-exhaustive list): theft, fall, lightning, flood, fire, etc.

- Wear parts and accessories (non-exhaustive list) (batteries, cables, seals, filters, etc.).

- Aesthetic damage

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APPENDICES

Appendix A - Customer check procedure for the LECBV2 lamp
Appendix B - 4NRJ product management

Appendix A - Customer check procedure for the LECBV2lamp

In order to prevent wear and tear on blue site framing lamps, a multi-stage inspection of the various components of the lamp and its battery life has been set up.

This check should be carried out every year (after the 3rd year of the lamp's life).

1- General condition of the lamp

1.1- No cracks or major impacts

Check that there are no cracks or major impacts on the clear plastic.



1.2- Charging points

Check that the charging points are in good condition. There must be no trace of pollution and they must not be oxidised.



1.3- Clip fastener

Check that the blue overmoulding on the lamp is not detached or torn and that you can fit the lamp on the lamp clip.



2- Lamp battery life

2.1- Checking the battery

Fully recharge the lamp in its case.

Switch on the lamp and check that it stays on for more than 24 hours.



Appendix B - Managing 4NRJ products using QR Codes

It is now possible to track the validity of all the tools managed by QR code.

All you have to do is log in to your account on the 4nrj.com website.

If you don't have one, send a request to contact@4nrj.com.

To add tools to your account, send the serial numbers of your devices and the account to which you want to link them to contact@4nrj.com.

By logging in to your account, you can view the validity status and certificates of conformity of your equipment and carry out customer checks.

There are two types of account: supervisor and controller.

Supervisor account

The supervisor account can manage several controller accounts and the tools associated with each controller.

- To create a controller account (attached to the supervisor account) click on "Rights management", then on "User management" and on the "Add a user" button.



- Fill in the various fields and press "Save".

Inspector account

The inspector account can only access the tool list assigned to it.



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WWW.4NRJ.COM



Keep up to date with the latest manual updates by flashing the QR Code.

Or you can access it via the Internet by clicking on the following link: <https://4nrj.com/lecbv2-en.pdf>