

**Thank you** for purchasing the FLACARP FL6-RGB. The lamp was created based on the requirements of you, anglers. It is equipped with powerful LEDs with the possibility of adjusting the color. The integrated receiver allows you to remotely control the lamp with up to ten FLACARP transmitters.

Lamp can be switched ON after a bite, after an alarm, or remotely controlled by receiver RFX, e.g. lamp could be used like a beacon. The distance can be up to 500 meters. You can reduce the brightness of the LEDs so that the strong light does not disturb you.

And the batteries? You will no longer have to replace them! The lamp is equipped with a powerful rechargeable Li-Ion battery. You can conveniently charge it using a phone charger, from a car, or from any power bank.

The lamp is designed not only for the bivouac, but due to its 100% water resistance, it can also be used as smart outdoor lighting. And when it falls into the water, the lamp doesn't sink - it floats on the surface :-)

## SPECIFICATIONS

- LED type: RGB + white CREE®
- Battery: Li-Ion 2000mAh
- Charging: 5V / typ. 410mA
- Charging time: approx. 6 hours (from full discharge)
- Lighting time (full brightness): up to 9 hours
- Lighting time (reduced brightness): up to 24 hours
- Frequency: 868MHz
- Range: up to 500 meters in open space
- Operating temperature: 0 to 40°C
- Dimensions: 136 x 36 (42) mm
- Weight: 124 g

## LED LAMP CONTROL

The lamp is controlled by the green side button.

### Switching on / off

A short press of the button switches the lamp ON, and it can be switched OFF in the same way.

### Brightness reducing

A short press of the button switches on the lamp, and immediately following next press of the button sets a lower brightness level, suitable for reading, for example. Lowering the brightness level also extends the lighting time.

### Color change

You can quickly change the color of the LED by a double-click. The selected color is then set as a default one after restart. The color can be changed anytime.



## TIP

Thanks to the very low battery consumption, the LED lamp can light for a very long time in the low brightness mode. So it can be used for the fishing place designation.

## INTEGRATED RECEIVER

### Receiver switching on/off

by holding the button for 2 seconds. Activation of the receiver is confirmed by a brief flashing of the green LED, deactivation by a brief flashing of the red LED.

### Saving new device in memory

Hold down the button for 5 seconds to enter the learning mode (LED light flashes). You can now double-click to select the color that should be lit by the transmitter.

You can select white, red, green and blue. The next step is the purple color - in this step, the color already set on the bite alarm is copied.

### Save

Send a signal from the device you want to save, that's mean: turn ON the bite alarm, alarm or press (short) the main button on the receiver (while switched ON). The device sends a signal and the LED light save it in memory. Pairing is complete. After saving, the learning mode is automatically finished. Repeat the identical procedure for saving other devices. If you want to change the color of a specific device, simply enter the learning mode again and repeat the process. The color of already stored device will be overwritten in memory.

### Erase memory

Delete all learned devices from the lamp's memory. Hold down the button for 15 seconds. A fast flashing red LED indicates that the memory has been erased.

## FALSE ALARMS

### The lamp reduces the false alarms.

The bite alarms turn on the light after two or more successive "bites" within 5 seconds. But the alarm from the motion sensor turns on the light immediately, as well as the RFX receiver control responds immediately.

To prevent the permanently lit lamp in the event of a false alarm, the lighting time by a bite alarm or motion sensor alarm is limited to 60 seconds.

## LOW BATTERY STATUS

Discharge of the battery is indicated by a triple red LED brief flashing. If the lamp does not respond at all, or it switches OFF immediately when switched on, it is discharged and needs to be charged. Charge the lamp before the first use.

## AUTOMATIC SHUTDOWN

The receiver of the lamp automatically switches OFF 24 hours after the last activity (after the last use). This function prevents the lamp from discharging when it is not used for a long time in case you forget to switch OFF the receiver function.

**CHARGING, SAFETY**

The USB charging connector is located below a waterproof cover with magnet. The lamp can be charged using any mobile phone charger with a voltage of 5V, from any powerbank or from an auto-adapter for mobile phones charging (5V).

The lamp can be used and charged at the same time (subject to the above conditions). Connector type is microUSB, voltage 5V. Charging current is about 500mA, charging time from full discharge is about 6 hours.

**Charging status indication**

- **Red LED** indicates charging
- **Green LED** fully charged

The mentioned charging times and lighting times are indicative and depend on the condition of the battery, the ambient temperature and the method of use.

Connect the charger only in dry conditions. The lamp cannot be charged in the rain (unscrewed waterproof connector cover) and at temperatures below the freezing point, or otherwise at temperatures above 40°C. The operating and the storage temperature must not exceed 50°C. Do not leave the lamp in summer months in the car on the dashboard or behind the windows in direct sunlight. Do not throw into fire. The package include a short USB cable and a protective case.

At the end of its service life, remove the battery and dispose pursuant to the Waste Act (hand over the product to a collection point or to the manufacturer or retailer for disposal).

**WARRANTY**

The product is guaranteed for 24 months. The legal warranty for battery life is min. 6 months.

The lamp is equipped with battery protectors and with intelligent charging for maximum service life of the battery.

The LED lamp FLACARP FL6-RGB is designed for outdoor and indoor lighting. It is protected against rain and falls into the water, providing all sealing elements are tightened properly - meaning side sockets and the cover of the USB connector.

The warranty does not apply to mechanical damage to the lamp, to electrical damage caused by charging using another than the specified voltage. The warranty also does not cover damage due to water penetrating the lamp or the charging connector, or the use contrary to these manual.

The service and replacement of the battery is performed by the manufacturer or a service center authorized by him.

**MANUFACTURER**

**FLACARP**

📍 TFE elektronika s.r.o.  
náměstí Svobody 1509  
696 81 Bzenec, ČR

☎ +420 731 115 151  
✉ obchod@tfe.cz

**EU DECLARATION OF CONFORMITY**

of a radio device with the European Directive RED 2014/53/EU, establishing technical requirement for radio equipment, and the Governmental Decree No. 481/2012 Col., which is harmonized with Directive 2011/65/EU, about the use of some dangerous substances in electrical and electronic devices.

Manufacturer: TFE elektronika s.r.o., namesti Svobody 1509, 696 81 Bzenec, Czech Republic

**declares that the product**

<b>Sort of equipment:</b>	Portable LED light with listening receiver and Li-Pol battery
<b>Type:</b>	FLACARP FL6-RGB
<b>Frequency:</b>	868,32 MHz
<b>Transmitting power:</b>	---
<b>Modulation:</b>	GFSK
<b>Purpose of use:</b>	Small portable outdoor and bivouac LED light with charging and remote control

**It complies with the requirements of following standards and regulations, relevant for the specified sort of equipment:**

<b>Radio parameters:</b>	ETSI 300-220-1 ETSI 300-220-2
<b>EMC:</b>	ČSN ETSI EN 301 489-1 v.1.9.2 ČSN EN 55032
<b>Safety:</b>	ČSN EN 55024, ČSN EN 61000-4-2, ČSN 61000-4-3
<b>RoHS:</b>	ČSN EN 62368-1 ČSN EN 50581

**and it is safe, if used under conditions of common application and in accordance with operating instructions.**

The Declaration has been issued under the sole responsibility of the producer.

Bzenec,  
1.9.2021



  
Tomas Flajzar, company director

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Do you have any wishes or comments about the product? Please let us know to tomas@tfe.cz and help to improve our products. Thank you.