

Lumenus User Manual

LUMENUS ioLight

Model name: ioLight

Model No.: ioLight – 1.0

Congrats on your ioLight this is the most advanced bike light in the world.

Visit Lumenus.demo OR

Follow us [@LumenusLife](https://twitter.com/LumenusLife)

For set up instructions for your light.

Make Cycling Safer

Our mission statement at Lumenus is

“To make cycling and mobility safer and more equitable for all.”

We promise to always work toward that goal. To learn more about the team behind this follow us [@LumenusLife](https://twitter.com/LumenusLife) to stay in touch.

Lumenus Mobile App

Search “Lumenus” in the App Store to download your app

Seriously, without the App we’re just a really bright safe light--but download the app to unlock the power of the **ioLight**.

Lumenus.App

What’s in the Box

ioLight

1 charging cable

- 1 clip
 - 1 velcro strap
 - 1 bolt
-

Quick Start Guide

(See backside for detailed instructions)

Hold power button (Q) for 5 seconds to turn on

Hold Lumenus button [L] 5 seconds to scroll through light modes Tap either side

to activate turn signal

Download App to activate or deactivate brake light

Important Information

Light Modes (Default)

To change these or update yours download the App

Hold Lumenus button [L] 5 seconds to scroll through light modes In order these are:

SteadyHeadlights

Steady TailLights

Smart Brake Light Enabled

Flashing HeadLight Flashing Tail

Light Animated Headlight

Animated Taillight

Party Mode

Important Information:**Basic Specs:**

100 grams 3cmx7cmx1cm

2200mAh battery 3.7V Bluetooth

Low-Energy 4.0

Input: 5V/1A

Battery Life:

On average a fully charged battery will last around 4 hours but can be extended to up to 50+ hours on light saving modes.

The ioLight battery usage is dependent on the settings of color, brightness, and animation. To check battery status, simultaneously tap both buttons at the same time.

Refer to the app for a more accurate reading of battery levels.

To recharge plug micro USB into a power source, a red led will indicate charging, when that turns green your ioLight is fully charged.

Recommended Use:

Do not expose your ioLight to extreme temperatures. You're good from 0C - 45C. Do not use abrasive products to clean your ioLight or accessories.

Do not expose your ioLight to fire, open flame, or extreme heat. The battery may explode! Charge battery according to the instructions provided with the authorized cable.

Do not charge your battery when wet.

Important Information & Product Warnings:

Charge the ioLight fully before first use. To maintain the ioLight battery charge fully at least once a month.

ioLight is IP67 rated under normal use, do not subject it to high-pressure water jets or intentionally submerge it in water. In the unlikely event that moisture appears inside ioLight turn it off and contact our customer service for guidance.

Clean ioLight with a moistened cloth and mild detergent only. Do not use corrosive, solvents or abrasive materials to clean.

Keep it out of reach of children and pets. Lumenus ioLight is a very bright light, do not look directly at it or shine it directly at others. Staring into a bright light can damage the eye.

Use the ioLight with care, inspect before each use for damage, corrosion or leaking. Turn it off and contact us for guidance. Do not disassemble or dispose of in household waste.

Lumenus LLC does not warrant that the ioLight complies with all local traffic laws and regulations. Lumenus LLC accepts no liability for any injuries or other damages arising from the use of this product in any circumstances.

“Warnings”:

Do not try to open the case or take your ioLight apart. Not only with these void your warranty, but they pose a safety risk.

Your battery is rechargeable and cannot be replaced. Recycle or dispose of your battery properly. Visit Lumenus.com/FAQ for how to recycle your battery.

Warranty:

Lumens LLC provides a warranty for the ioLight for 24 months from the original date of purchase by the original owner (proof of purchase required). This warranty covers parts and workmanship on the LEDL housing, LED, mounting brackets and strap, and electronics. But does not cover normal wear and tear, improper installation, improper use, attempting to access the electronics, modifying the electronics, accidental damage, or damage or failure due to neglect.

If you need to make a claim on the warranty, then return ioLight with your original receipt to the point of purchase. Do not attempt to dismantle ioLight or to modify the electronics. Doing so will void this warranty.

Rules, Regulations, & Laws:

Lumenus is a secondary safety device, we must emphasize that bicycling & other uses of the Lumenus product have inherent risk, we seek to mitigate that risk -- but accept no responsibility for misuse or responsibility to the laws of the country to which products are used or delivered.

By using the Lumenus light and accepting to the Lumenus terms of use on the mobile APP. Lumenus is not to be held responsible or liable for any incidents or accidents while using this product.

There are certain factors such as GPS, accelerometer, mobile network connectivity, and general IoT infrastructure that we cannot control, for these reasons no user should ever rely on these to work perfectly in all scenarios and should exercise caution always. Exercising precaution and obeying the rules, laws, and regulations of your local government are responsibilities of the end-user.

Visit Lumenus.com/FAQ for all the information regarding legal questions.

BACKSIDE OF USER MANUAL (includes visuals)

Charging:

Remove USB cap & insert provided USB cable. First charge 10hrs. Normal charge 3hrs.
Input: 5V/1A

Battery Level:

Tap both buttons simultaneously to check power level 100%:
50%:
20%:

Buttons:

(Q) Power

Hold (Q) for 5 seconds to power on Tap
(Q) to activate turn signal

[L] Lumenus

Hold [L] for 5 seconds to scroll light modes (tap either to navigate modes) Tap [L] to activate turn signal

Modes:

Steady White, Steady Red, Red Brake Light, Flashing White, Flashing Red, Scroll White, Scroll Red, Party Mode

Mounting:

Using bike hex tool, screw the bolt through the clip to the device (crank it HARD as you can)

Wearable with your clip to any device

Mountable by inserting the Velcro strap (stripe up) through the openings. Then Clip the metal fastener into place. Finally, tighten to adjust the fit of your ioLight to a helmet, bike post, or other.

Compatible:

We love collaborations! We work with some of your favorite brands to release products that are compatible with the Lumenus light so you can attach to a collab helmet, bag, or accessories.

Look for "POWERED BY LUMENUS" tag on popular gear.

Modular:

The ¼-20 screw in the back of Lumenus allows us to release new accessories and mounts in the future. Many products will have backward compatibility to work with your existing ioLight in new ways! Keep in touch with @LumenusLife for future products.

Brake light:

This feature is specifically unique to Lumenus it can be adjusted in the mobile APP and turned on and off.

The brake light has automatic detection, but this brake light can be switched on as the #3 mode when scrolling through manual tail lights. You know you hit this mode when the

To activate hold [L] button for 3 seconds and then tap [L] twice. This is based on accelerometer data and will not always be perfectly accurate. This should not be relied on, and we suggest using hand-signals and any legal measure in your local laws.

Latency and false positives should be expected. If brake light ever seems to have a flaw, turn on and off and on. When turning back on do not move for 10 seconds to reset the accelerometer.

FCC

Federal Communications Commission (FCC) Statement

15.21

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Consult the dealer or an experienced radio/TV technician for help.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- 1) this device may not cause harmful interference and
- 2) this device must accept any interference received, including interference that may cause undesired operation of the device.

FCC RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. For body worn operation, this device has been tested and meets FCC RF exposure guidelines. When used with an accessory that contains metal may not ensure compliance with FCC RF exposure guidelines.

ISED

Canadian Notice

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. *This device may not cause interference.*
2. *This device must accept any interference, including interference that may cause undesired operation of the device.*

Avis Canadien

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. *L'appareil ne doit pas produire de brouillage;*
2. *L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*

RF Radiation Exposure Statement:

1. To comply with the Canadian RF exposure compliance requirements, this device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.
2. For body worn operation, this phone has been tested and meets RF exposure guidelines when used with an accessory that contains no metal. Use of other accessories may not ensure compliance with RF exposure guidelines.

Déclaration de l'exposition aux radiations RF:

1. Pour se conformer aux exigences de conformité RF canadienne l'exposition, cet appareil et son antenne ne doivent pas être co-localisés ou fonctionnant en conjonction avec une autre antenne ou transmetteur.
2. Pour le fonctionnement du corps, ce téléphone a été testé et répond aux directives d'exposition RF lorsqu'il est utilisé avec un accessoire qui ne contient pas de métal. Utilisation d'autres accessoires peut ne pas assurer le respect des directives d'exposition RF.