

TREK

Ion 50 R and Flare R Metro

Front and rear lights

⚠ WARNING:

If you or someone you are riding with has photosensitivity to flashing lights, ensure this light does not trigger an episode prior to use on the road. While the flash pattern is designed to be outside of the frequency range most associated with causing a photosensitive reaction (5-60Hz), each individual's response may vary, and having an episode while riding may result in a fall and/or injury.

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About this product

The **Ion 50 R** (front light) and the **Flare R Metro** (rear light) have rechargeable Lithium-Polymer batteries, and are designed for safety so others can see you in low light conditions.



⚠ WARNING:

The front light is very bright. Do not stare at an operating front light. Staring may be harmful to the eyes.

⚠ WARNING:

The front light may be hot and could cause a burn or damage material it may contact. Do not activate (turn on) light in enclosed area.

⚠ WARNING:

Do not use if the battery is impacted. Also do not puncture, crush, deform, disassemble, or heat a lithium-ion battery above the permitted temperature. Inflicted damage to the battery may result in a fire, explosion, or coming in contact with specks of lithium or lithium dust.

⚠ WARNING:

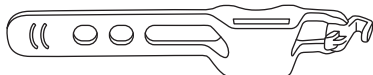
A bicycle without correct lights and reflectors might be difficult for other people to see, and you might not be able to see them. If you cannot see, or other people cannot see you, you could have an accident. Make sure your lights are set up, operating correctly, and that batteries are charged.

IMPORTANT: Check your local lighting laws. Flashing lights and full brightness may not be allowed in all locations. Ion 50 R and Flare R Metro lights do not conform to the German road traffic regulation StVZO.

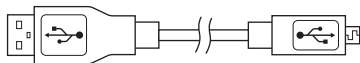
For more information

If you need help not offered by this manual, talk to your Trek retailer or visit trekbikes.com.

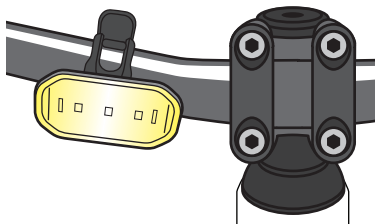
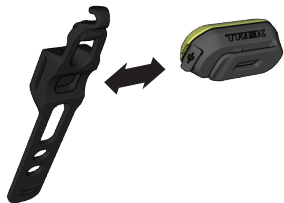
In the box: Ion 50 R



Front Clip Connect Bracket
5310652



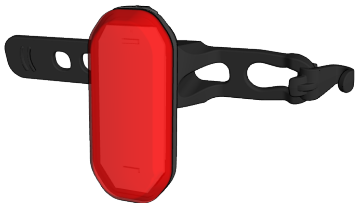
Micro USB Cable
W559136 (4-wire)



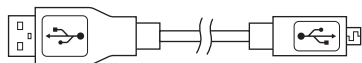
Specifications

Ion 50 R: 200mAh, 3.7V, 0.74Wh, Lithium-Polymer, Weight: 22g (0.78oz), ingress rating: IPX4

In the box: Flare R Metro



Rear Clip Connect Bracket
5310653



Micro USB Cable
W559136 (4-wire)



Specifications

- **Flare R Metro:** 200mAh, 3.7Vdc, 0.74Wh, Lithium-Polymer, Weight: 22g (0.78oz) light and mount, ingress rating: IPX4

Ion 50 R basic operation

NOTE: When you turn the light ON, the light will be in the last mode used.



On = press

Change modes = press again

Off = hold

Mode



High

50 lumens
(1.5 hours of runtime)



Low

20 lumens
(3 hours of runtime)



Flash

50 lumens
(6 hours of runtime)

Battery life



Green steady

30-100%



Red steady

10-30%



Red flashing

<10%

Charge time 3 hours



Green steady

100%



Red flashing

0-99%

Flare R Metro basic operation

NOTE: When you turn the light ON, the light will be in the last mode used.



On = press

Change modes = press again

Off = hold

Mode



High

20 lumens
(1.5 hours of runtime)



Low

8 lumens
(3 hours of runtime)



Flash

20 lumens
(6 hours of runtime)

Battery life



Green steady

30-100%



Red steady

10-30%



Red flashing

<10%

Charge time 3 hours



Green steady

100%



Red flashing

0-99%

Charging the battery

Both lights were charged prior to packaging, but we recommend that you charge them before first use.

Battery charging and operating temperature: 32°F to 122°F (0°C- 50°C)

- If the light is plugged in while outside of this range, the LED indicator will show 3 red flashes with pause until the light is within this temperature range.

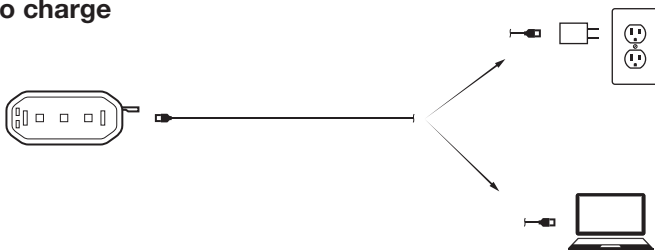
- Reduced performance when operating below freezing.

IMPORTANT: For best results, charge at room temperature in a dry place. Use a certified CE or UL approved Micro USB charger rated for 500 mA or greater.

IMPORTANT: Do not leave the lights outdoors when not in use.

IMPORTANT: Close the USB port cover after the charge is complete. If the USB cover is not closed, damage to the light may occur.

To charge



When charging



**Flashes red
when charging**



**Charge
complete**

*Green light will turn off after
1 minute when fully charged.*

FCC Compliance

These devices are in compliance with Part 15 of the FCC Rules. Device operation is subject to the following two conditions:

1. Must not cause harmful interference, and
2. Must accept any interference that is received, including interference that may cause undesired operation.

CE European Union Compliance

Trek Bicycle Corporation hereby declare that the wireless devices identified as 'Ion 50 R' and 'Flare R Metro' are in compliance with the following European Directives:

- Radio Equipment Directive 2014/53/EU
- EMC Directive 2014/30/EU
- Low Voltage Directive 2014/35/EU
- RoHS Directive 2011/65/EU

The full text of the EU declaration of conformity is available from your dealer, or at the following internet address: https://www.trekbikes.com/international/en_IN_TL/coc-doc/

Ion 50 R and Flare R Metro do not comply with German StVZO regulations!

UK CA UK Compliance

Trek Bicycle Corporation hereby declare that the lighting devices identified as 'Ion 50 R' and 'Flare R Metro' are in compliance with the following UK legislation:

- The Electromagnetic Compatibility Regulations 2016
- Electrical Equipment (Safety) Regulations 2016
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

Full text of the UK declaration of conformity is available from your dealer, or at the following internet address: www.trekbikes.com/coc-doc.



Recycling

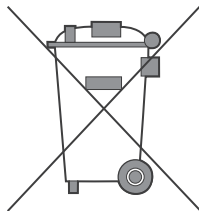
Please recycle lights with the battery. In the US you can find out where to do this at www.call2recycle.org.

European and International consumers, please contact your bike shop.

This symbol on the product(s) and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste.

For proper treatment, recovery, and recycling outside the US, please take this product(s) to designated collection points. Alternatively, in some countries you may be able to return your products to your local retailer upon purchase of an equivalent new product. Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling. Please contact your local authority for further details of your nearest designated collection point.

Penalties may be applicable for incorrect disposal of this waste, in accordance with your national legislation.



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