

TREK

**Ion 100 R and
Flare R City**



Ion 100 R

5313796



**Quick Connect
Front Mount**

W5308450



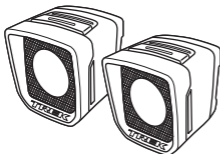
Flare R City

5313795



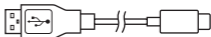
**Quick Connect
Rear Mount**

W5308448



**Ion 100 R
Flare R City**

5313797



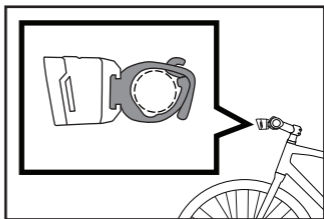
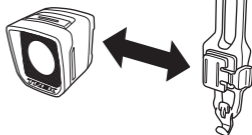
USB-C cable

W5268686

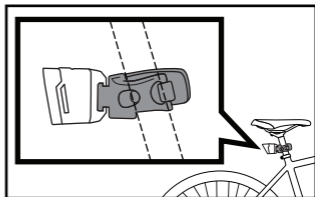
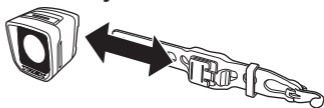
The light source of these lights is not replaceable. When the front or rear light source reaches the end of life, you need to replace the whole product.

Installation

Ion 100 R

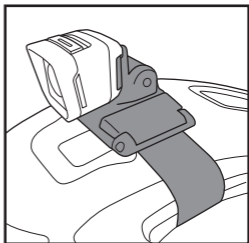
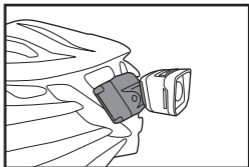
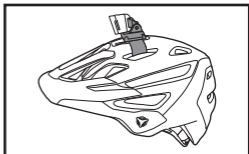


Flare R City



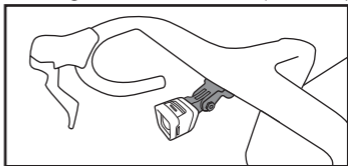
Optional accessories

Helmet mount (#428462)

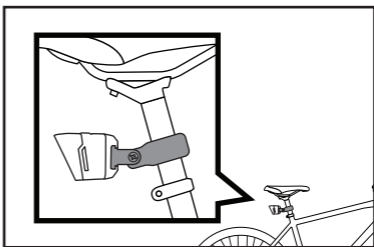
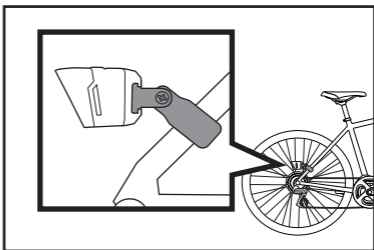


Ion Light Mount - Road (W574066)

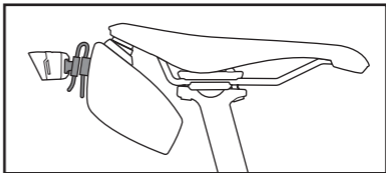
Ion Light Mount - Mountain (W574066)



Flare Mounting Kit (#418932)



Seat pack clip-steel (#424905)



Please read this entire manual, especially the safety information. Check for updates at trekbikes.com

IMPORTANT: Check your local lighting laws. Flashing lights and full brightness may not be allowed in all locations. Ion 100 R and Flare R City do not conform to the German road traffic regulation StVZO.

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 serious injury or death.



WARNING

These lights are very bright. Do not stare at an operating light. Staring may be harmful to the eyes.

Specifications

Ion 100 R and Flare R City

- **Battery:** Lithium Polymer (LiPo)
- **Capacity:** 350 mAh
- **Voltage (Nom):** 3.7 V
- **Charge Voltage:** 4.2 V
- **Dimensions:** 8.7-9.2 x 20.5 x 26.0 mm
- **Weight:** 24.5 g
- **Charge Temperature:** 0°–55° C (32°–131° F)
- **Storage Temperature:** -5°–35° C (23°– 95° F)

For more information

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

Operation

Before first use, fully charge both light batteries.

To power on, press and hold the power button for 1 second.

NOTE: The light will be in the output mode last used.

To power off, press and hold the power button until the light turns off.

Mode

To change modes, single-press the power button while the light is powered on.

Ion 100 R



High
100 lumens
(2 hours of runtime)



Low
5 lumens
(24 hours of runtime)



Flash
100 lumens
(11 hours of runtime)

Flare R City



Day steady
20 lumens
(5 hours of runtime)



Night steady
2 lumens
(21 hours of runtime)



Day flash
35 lumens
(10 hours of runtime)



Night flash
2 lumens
(24 hours of runtime)

WARNINGS

- 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.
- 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.

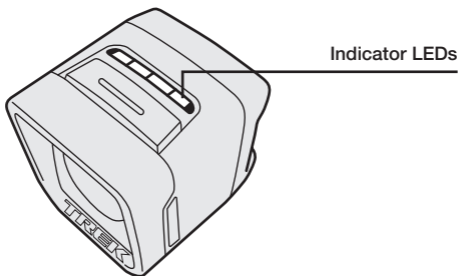
Battery charging

IMPORTANT: For best results, charge at room temperature in a dry place.

Use a certified CE or UL approved USB-C charger. Avoid extreme conditions including wet, cold, or extreme heat.

1. Open the USB port cover.
2. Plug the charger cable into the USB port on the light.
3. Plug the cable into a computer or wall adapter.
4. When the charge is complete, unplug the charger cable and close the USB port cover.

NOTICE: Ensure the USB cover is latched before riding in rain or in wet conditions. If the USB cover is not closed, damage to the light may occur.



Battery fuel gauge charging status

1 Flashing Indicator

0% – 5%

1 Solid/1 Flashing Indicators

5% – 25%

2 Solid/1 Flashing Indicators

25% – 50%

3 Solid/1 Flashing Indicators

50% – 75%

4 Solid Indicators

100%

At 100%, all four indicators will turn on for 60 seconds then turn off.

Battery fuel gauge ON status

Front light = green

Rear light = red

4 Solid Indicators

75% – 100%

3 Solid Indicators

50% – 75%

2 Solid Indicators

25% – 50%

1 Solid Indicator

5% – 25%

1 Flashing Indicator

0% – 5%

Low battery mode

Both lights have a low power mode to show less than 5% remains on the battery before the lights turn off. Each light will have one flashing indicator LED and the light itself will show:

Ion 100 R: Low and steady.

Flare R City: Night flash.

You cannot change modes until the light is recharged.

Battery care

Store the lights at room temperature in a dry place. Avoid moisture, or extreme hot or cold. Store the lights in the charged condition. Avoid “deep discharge.” Battery life will decrease if the lights are stored in a fully discharged condition.

Over time, the run time of the batteries will diminish. Expect about 500 full charges, depending on care. After a full life, the batteries will continue to charge but with a lower run time. When the run time is unsatisfactory, please recycle. Do not open the case of the lights or incinerate.

Traveling with the lights

The lights contains a lithium-polymer battery. Certain restrictions may apply to this product when traveling, especially when traveling by air. Always check with your carrier for specific restrictions prior to traveling with this product.

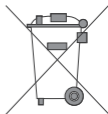
Recycling

Please recycle the battery.

In the US, you can find out where to do this at call2recycle:

<http://www.call2recycle.org/>

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.



Trek contact information

North America

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Republic of Korea
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Tél. +82-2-3460-0001

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7-28 Oide-cho
Nishinomiya-shi, Hyogo-ken
Japan 662-0036

FCC Compliance Statement:

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.

Canadian Compliance

CAN ICES-003 (B) / NMB-003 (B)

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-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.

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

UK Compliance

Trek Bicycle Corporation hereby declares that the device identified as 'Ion 100 R' and 'Flare R City' 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: <https://help.trekbikes.com/compliance-documentation>

European Union Compliance

Trek Bicycle Corporation hereby declares that the wireless devices identified as 'Ion 100 R' and 'Flare R City' is in compliance with the following European Directives:

- 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://help.trekbikes.com/compliance-documentation>

South Korea Compliance

Ion 100 R- (P/N 5313796)



인증자 상호: TREK Bicycle Corporation

기기의 명칭: Ion 100 R

모델명: 5313796

제조자/제조국가: TREK Bicycle Corporation / 대만

인증자 식별부호: MSIP-REM-T3B

Flare R City - (P/N 5313795)



인증자 상호: TREK Bicycle Corporation

기기의 명칭: Flare R City

모델명: 5313795

제조자/제조국가: TREK Bicycle Corporation / 대만

인증자 식별부호: MSIP-REM-T3BFlareRCity

자전거 전조등 외 사용 금지

trekbikes.com