



RECHARGEABLE HEADLIGHT

GVOLT80.1™

MODEL : HL-EL561G RC

Under The Handlebar Mount Model

Manual

~~~~ K 2616

For your safety, please be sure to read the entire manual carefully and use the product correctly. Please keep the manual in a safe place where you can refer to it at any times. If the product is to be used by a child, the guardian should read the user manual and explain the safety instructions. This product is designed assuming use by bicycle.

HLEL561GENG-260910 2



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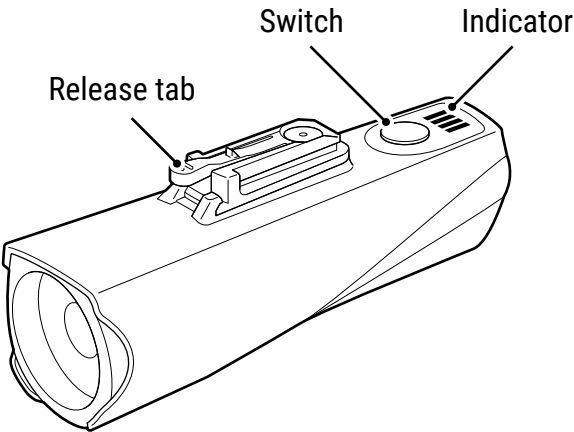
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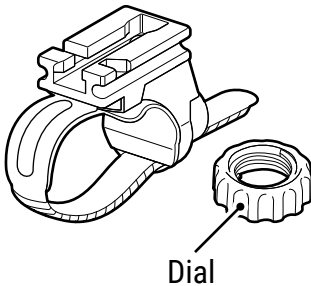
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# PART NAMES AND PACKAGE CONTENTS

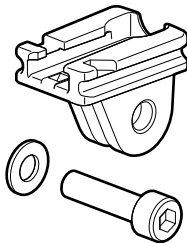
## Light unit



**Bracket**  
(H-34N : FlexTight™)

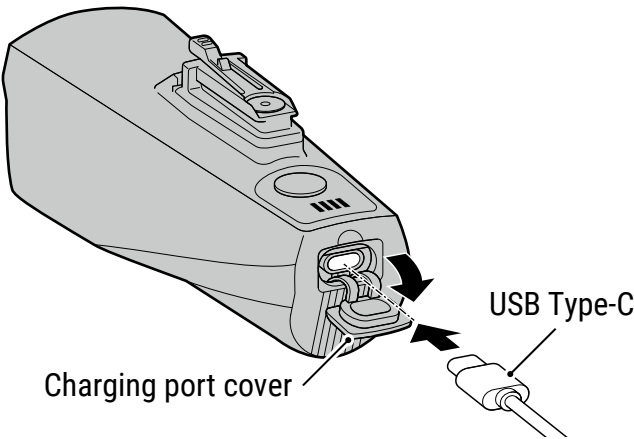


**Bracket**  
(GP BRACKET)



## HOW TO CHARGE

**!** Before using the product, refer to the “⚠ **DANGER / WARNING / CAUTION**” (page 4) section and charge the battery.

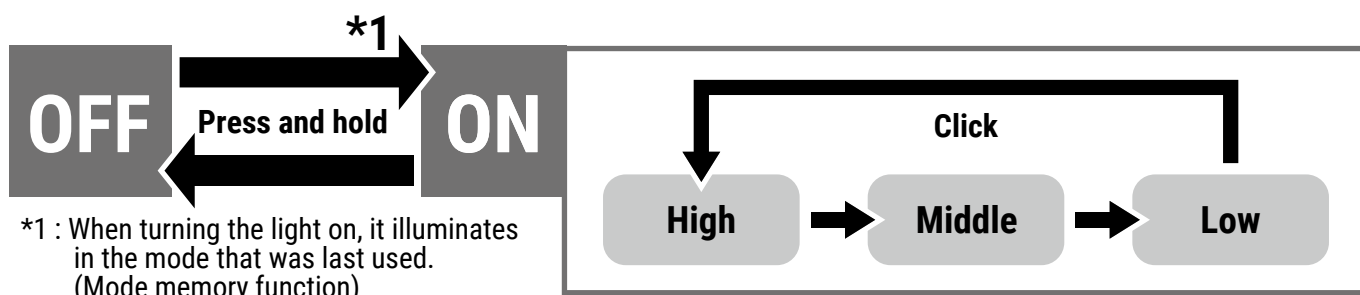


- \* Please prepare a USB cable (Type-C) that can be used for charging (sold separately) before using this product.
- \* If the indicator is flashing red quickly, it indicates a charging error. Remove the cable and try again.

| Indicator / Charging status |                     |                     |                     |                        |                          |
|-----------------------------|---------------------|---------------------|---------------------|------------------------|--------------------------|
|                             |                     |                     |                     |                        |                          |
| Less than<br>Approx. 20%    | Approx.<br>20 - 40% | Approx.<br>40 - 60% | Approx.<br>60 - 80% | Approx. 80% or<br>more | Charging is<br>completed |

**Charging time : Approx. 5 hours (1 A)**

# SWITCH OPERATION

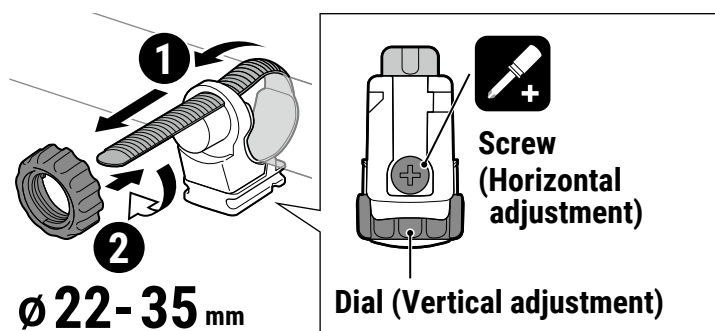


| Indicator / Remaining battery power |                  |                  |                  |                       |
|-------------------------------------|------------------|------------------|------------------|-----------------------|
|                                     |                  |                  |                  |                       |
| Approx. 80% or more                 | Approx. 80 - 60% | Approx. 60 - 40% | Approx. 40 - 20% | Less than Approx. 20% |

## Remaining battery capacity

When the indicator is illuminated in red, the remaining battery power is 20% or less. Charge the product as soon as possible, as the brightness will no longer conform to German Road Traffic Ordinance (StVZO) in this condition.

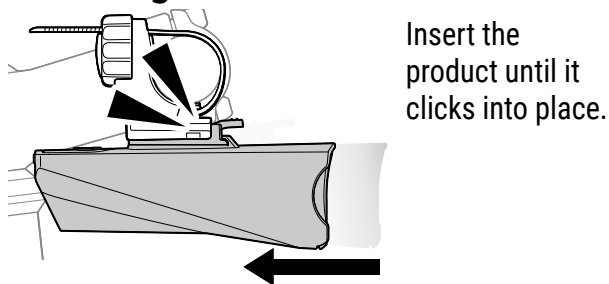
# HOW TO MOUNT TO A BICYCLE



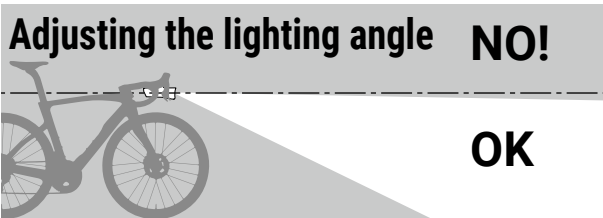
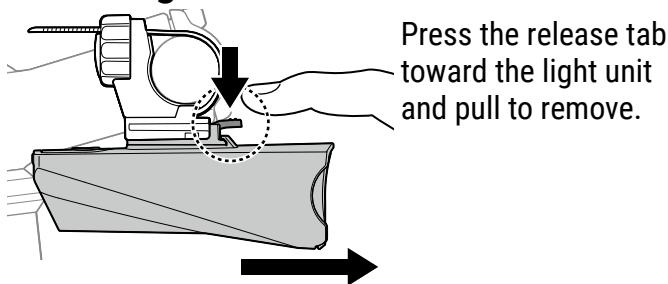
- \* To adjust the angle, loosen the dial or the screw to the point that the bracket moves slightly, make the adjustment, and then tighten the screw to fix the light unit in place.
- \* Be sure to tighten the dial by hand. When you tighten it too hard with a tool, the screw thread may be stripped.
- \* Check the dial and screw on the bracket periodically, and use them without any loosening.
- \* When used with a cyclocomputer, attach the headlight as far away from the cyclocomputer as possible, as it may affect measurement.

**Mounting height :**  
**400 - 1200 mm**

## Mounting



## Removing



When mounting the light unit, ensure that the light will not dazzle other road users.

## **DANGER!!!**

- Using or storing the battery in high temperatures will accelerate its degradation. Do not place the product inside a vehicle or near a heater.
- Please make sure to charge in an environment between 5°C and 40°C.
- Do not subject the product to strong vibrations, impacts, or excessive force.
- Do not charge the product, insert or remove the USB plug, or replace the battery with wet hands or a wet product.
- Do not charge or use the battery at any voltage or polarity other than that specified. Do not short-circuit the battery.
- Keep the product out of reach of children.
- Do not disassemble or modify the product or any of the included items. Also, do not use damaged products or parts.
- Do not place the product in fire or heat it.
- If you notice any abnormalities, stop using the product immediately.
- For your safety, please replace the batteries only after they are completely discharged. <sup>\*2</sup>

## **WARNING!!**

- Do not look directly at the light source. Please make sure to adjust the headlights downward to avoid blinding oncoming drivers and ensure they illuminate the road surface.
- Before riding, for safety reasons, please make sure that the light is securely mounted in a position where it does not block the beam and that it lights up properly.
- Please check the indicator and brightness regularly and always keep an eye on the battery level.
- Please be sure that no dust or other foreign objects are attached to the plug of the USB cable before charging. Once charging is completed, be sure to disconnect the USB cable from the charging port.
- If rechargeable batteries are left unused for a long period of time, their voltage will drop and their performance will deteriorate. If the product will not be used for a long period, store it in not too hot or not too humid. Please charge it for approximately 30 minutes every 6 months.
- When removing the battery, please be careful not to damage it, drop it, apply strong impact, or cut the cables. <sup>\*2</sup>

## **CAUTION!**

- To maintain the waterproof performance, make sure the cover of the battery compartment and the charging port should be securely closed. Also, make sure to wipe off any moisture thoroughly after using the product in the rain.
- To prevent damage to the product, do not apply excessive force to the charging port.
- Charging and lighting times are approximate and may vary depending on the usage environment.
- If the illumination time is significantly reduced even after charging, it may be due to the battery's degradation and end of its service life.
- When removing or installing batteries, please be careful not to injure your finger. <sup>\*2</sup>
- If the battery is leaking, do not touch the leaked liquid. If you accidentally come into contact with leaked battery fluid, wash it off immediately with running water. <sup>\*2</sup>

## **DISPOSAL INSTRUCTIONS**

When disposing the light unit, please do so in accordance with your local regulations.

<sup>\*2</sup>: For EU battery regulation

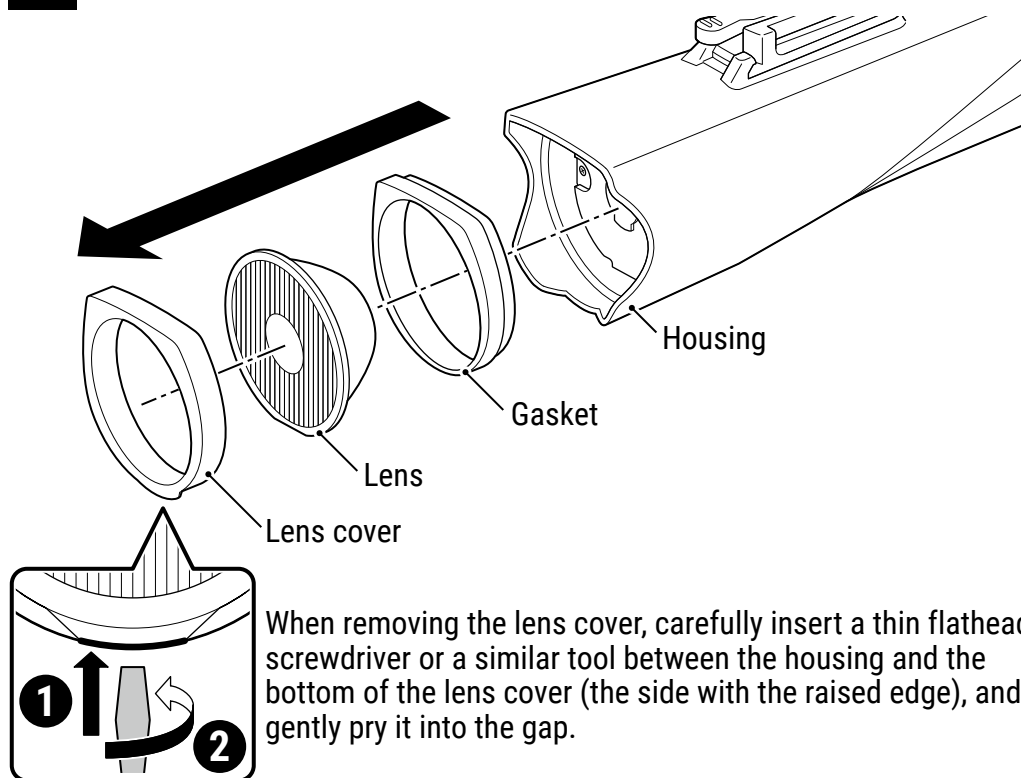
# BATTERY REPLACEMENT (For EU battery regulation)



Lithium-ion rechargeable batteries may explode or catch fire if not handled properly. For details, please refer to "[⚠ DANGER / WARNING / CAUTION](#)" (page 4).

1

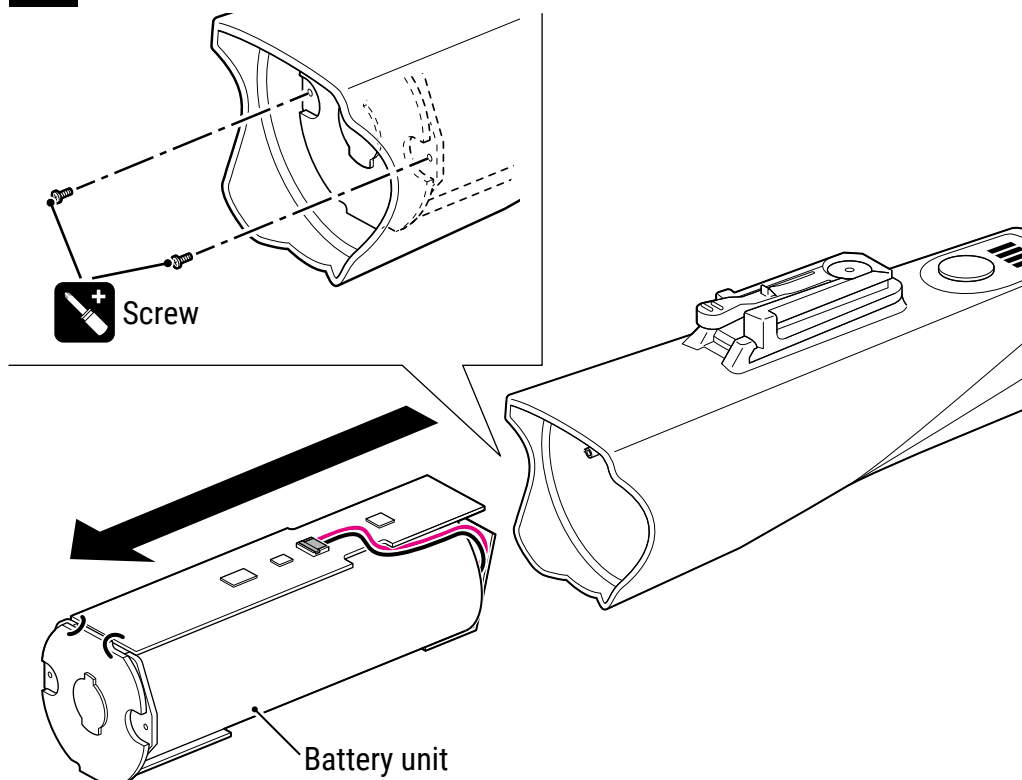
Remove the lens cover, lens, and gasket from the housing in that order.



When removing the lens cover, carefully insert a thin flathead screwdriver or a similar tool between the housing and the bottom of the lens cover (the side with the raised edge), and gently pry it into the gap.

2

Remove the screw and detach the battery unit from the housing.



## ⚠ Regarding battery replacement

Please replace the battery correctly according to this manual. Failure to do so may result in unexpected injury, malfunction, or a decrease in water resistance.

Also, please use genuine parts. For genuine parts, please contact your dealer.

## ⚠ Battery replacement precautions

For your safety, please replace the battery only after they are completely discharged.

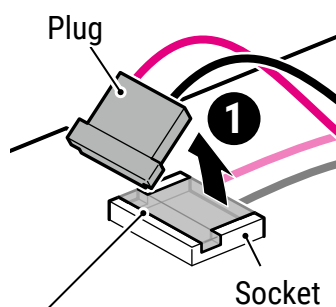
## ⚠ Tool usage precautions

When using tools, please be careful not to damage components.

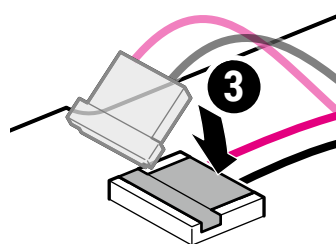
## ⚠ Precautions when handling electronic components

Do not touch the electrical parts on the top surface of the battery unit, as this may cause a malfunction.

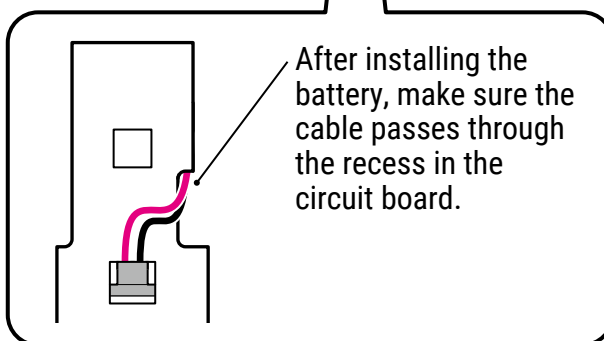
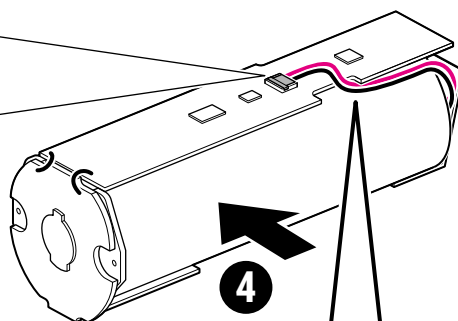
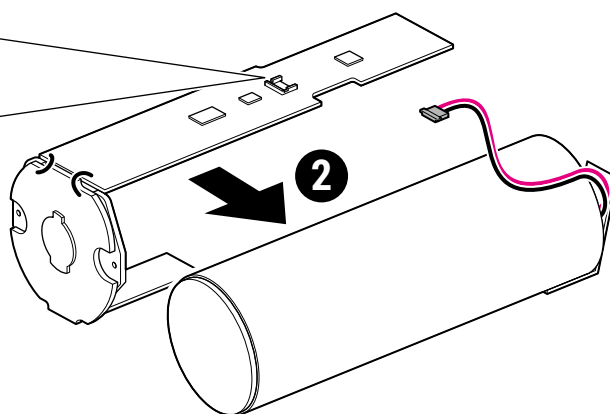
- 3** Disconnect the wiring before removing the old battery. Install the new battery after reconnecting the wiring.



When disconnecting the wiring, use the tip of the plug as a pivot point, pull the cable with your fingertips, and remove the plug.



When connecting the wiring, align the plug and socket, and use the tip of the plug as a pivot point with your fingertips, just as you did when disconnecting it, to securely connect the plug.



**⚠ Battery installation and removal precautions**

When disconnecting battery wiring, please be careful not to damage the cables.

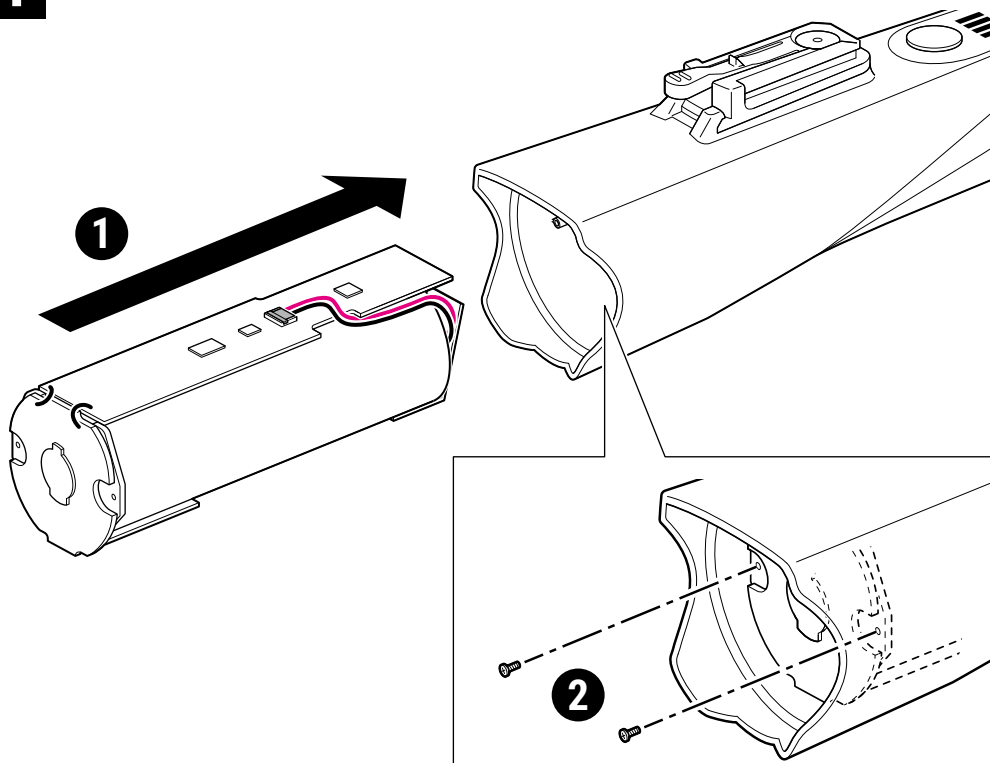
When installing the battery, please be careful to insert it in the correct orientation to avoid short circuits.

**⚠ Do not use after dropping or impact**

Do not drop the battery or subject it to strong impact.

Do not use the battery if it has been dropped or subjected to impact.

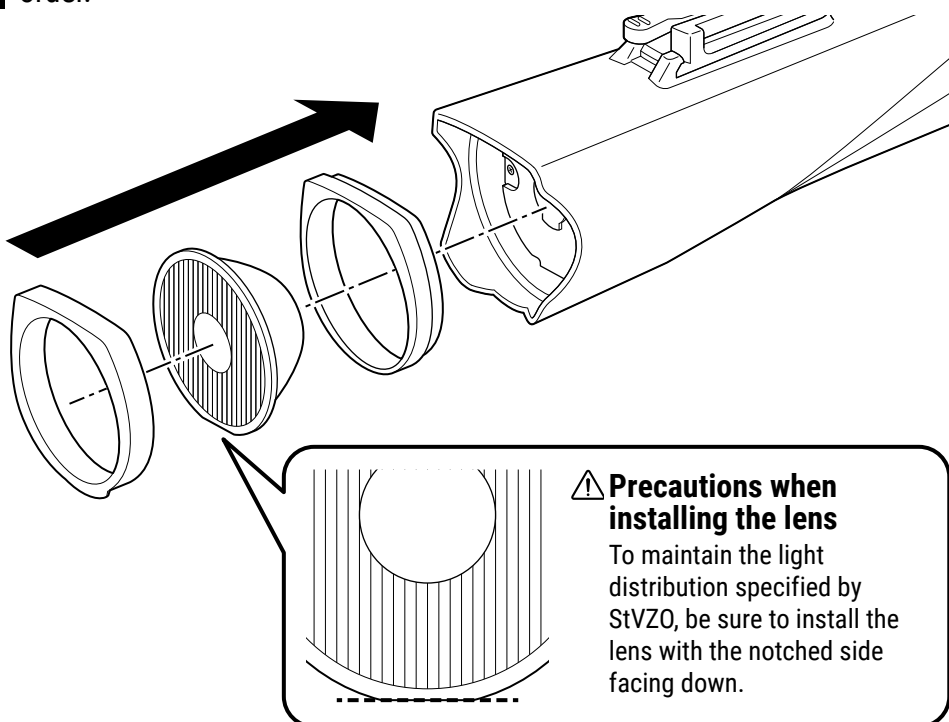
- 4** After attaching the battery unit to the housing, tighten the screws securely.



**⚠ Precautions During Installation**

When installing the battery unit, be careful not to damage the cables.

- 5** Securely install the gasket, lens, and lens cover into the housing in that order.



**⚠ Precautions when installing the lens**

To maintain the light distribution specified by StVZO, be sure to install the lens with the notched side facing down.

# SPECIFICATIONS

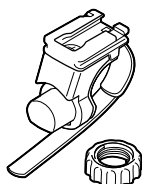
|                                             |                                                                                |
|---------------------------------------------|--------------------------------------------------------------------------------|
| <b>Light source</b>                         | LED x 1                                                                        |
| <b>Battery type</b>                         | Li-ion 3.6 V 3400 mAh                                                          |
| <b>Charge terminal</b>                      | USB Type-C                                                                     |
| <b>Operating time</b> <sup>*3</sup>         | High : Approx. 5 hours<br>Middle : Approx. 7.5 hours<br>Low : Approx. 16 hours |
| <b>Charging time</b>                        | Approx. 5 hours (1 A)                                                          |
| <b>Charge voltage</b>                       | 5 V                                                                            |
| <b>Temperature range</b>                    | Charging : 41°F – 104°F (5°C – 40°C) , Operating : 14°F – 104°F (-10°C – 40°C) |
| <b>Waterproof</b>                           | IPX 4                                                                          |
| <b>Recharge / discharge number of times</b> | About 300 times (until the rated capacity drops to 70%)                        |
| <b>Dimensions / Weight</b>                  | 1-15/32" x 4-3/16" x 1-13/16" (37.5 x 106.5 x 46 mm) / 3.6 oz (102 g)          |

\*3 : Approximate average runtime at 68°F (20°C).

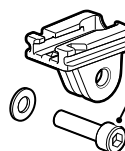
\* The specifications and design are subject to change without notice.

## STANDARD ACCESSORIES

**5338827N Bracket**  
(H-34N : FlexTight™)



**5445340 Bracket**  
(GP BRACKET)



Angle adjustment screw

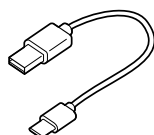


Tightening torque : **2 N•m**

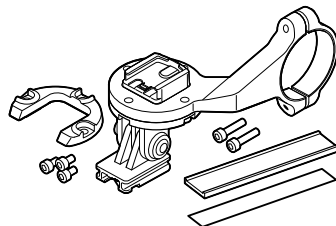
\* GP Bracket is for OF-200, H-34N CENTER, and H-34N AERO.  
Compatibility with brackets from other manufacturers is not guaranteed.

## OPTIONAL ACCESSORIES

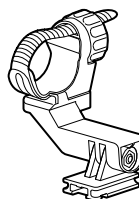
**5342550 USB cable**  
(Type-A ↔ Type-C)



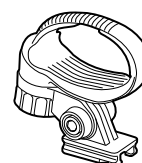
**1604110 Bracket**  
(OF-200 : Out-front bracket 2)



**5343540 Bracket**  
(H-34 CENTER)



**5343550 Bracket**  
(H-34 AERO)



\* To prevent accidents and malfunctions, use only genuine parts for installation.

# LIMITED WARRANTY

## **2-year Warranty: Light unit only (excludes battery deterioration)**

CatEye products are warranted to be free of defects from materials and workmanship for a period of 2 years from the original purchase date.

If the product fails to work during normal use, CatEye or an authorized retailer will repair or replace the product at no charge (proof of purchase is required.)

Please note that even if the product is within the warranty period, it may not be covered by the warranty depending on the condition of the product and the conditions of use.

## **CAT EYE CO., LTD.**

2-8-25, KUWAZU, HIGASHI SUMIYOSHI-KU, OSAKA, JAPAN 546-0041

For inquiries, please visit <https://cateye.com/intl/contact>

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