



RECHARGEABLE HEADLIGHT

GVOLT80.1™

MODEL : HL-EL561G RC

Under The Handlebar Mount Model

Manual

~~~~ K 2616

Before using the product, be sure to read this manual thoroughly and keep it available for future reference. If a child uses it, the child's guardian must read the manual and explain the precautions for use to the child. This product is developed assuming use by bicycle. Do not use the product in any way other than as described in this manual.

HLEL561GRCENG-251021 1



CATEYE will continue to contribute to society by creating new values in "Safety," "Health," and "Environment". CATEYE supports the Sustainable Development Goals movement proposed by the United Nations.

The USB cable is not included in the package because CATEYE is committed to making environmentally friendly and resource-saving products.

Cover

Part names and package contents

How to charge →

Switch operation

How to mount to a bicycle →

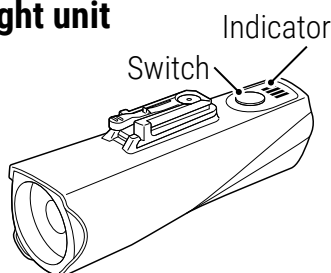
WARNING / CAUTION /  
LITHIUM-ION BATTERIES →

Specifications  
Standard accessories / →  
Optional accessories

LIMITED WARRANTY →

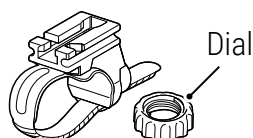
# Teilebezeichnungen und Verpackungsinhalt

## Light unit

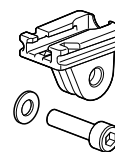


## Bracket

(H-34N : FlexTight™)

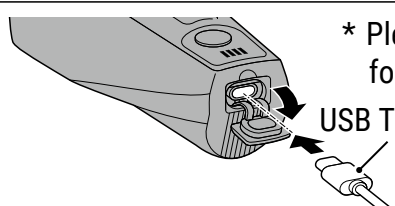


## GP bracket



## How to charge

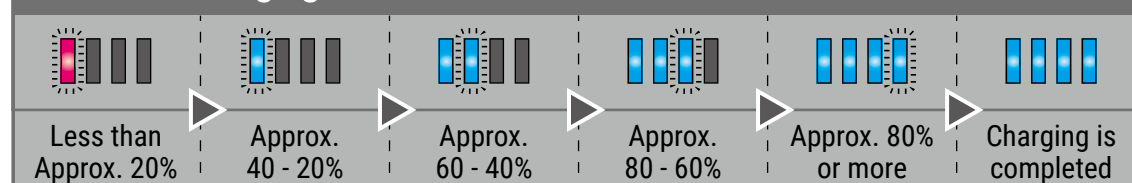
**!** Before using the product, refer to the “**⚠ Warning / Caution / LITHIUM-ION BATTERIES**” (page 4) section and charge the battery.



\* Please prepare a USB cable (Type-C) that can be used for charging (sold separately) before using this product.

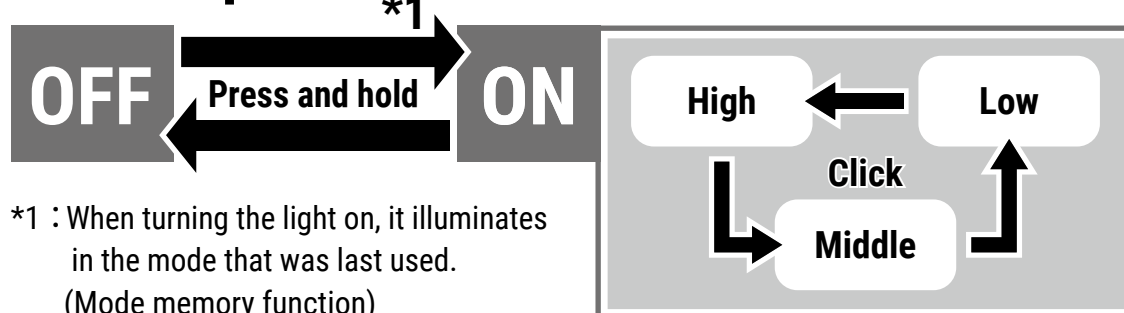
**Charging time : Approx. 5 hours (1 A)**

### Indicator / Charging status



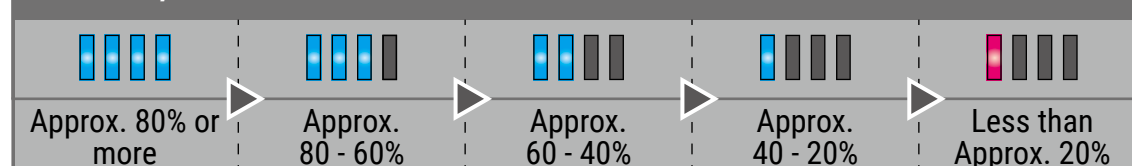
\* If the indicator is flashing red quickly, it indicates a charging error. Remove the cable and try again.

## Switch operation



\*1 : When turning the light on, it illuminates in the mode that was last used.  
(Mode memory function)

### Indicator / Puissance restante de la batterie



### 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.

Cover →

Part names  
and package  
contents

How to charge

Switch  
operation

How to mount  
to a bicycle →

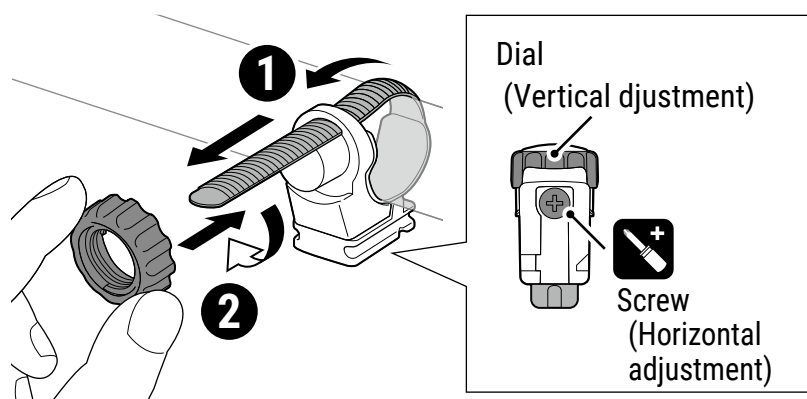
WARNING /  
CAUTION /  
LITHIUM-ION  
BATTERIES →

Specifications  
Standard  
accessories /  
Optional  
accessories →

LIMITED  
WARRANTY →

# How to mount to a bicycle

Can only be mounted under the handlebar.



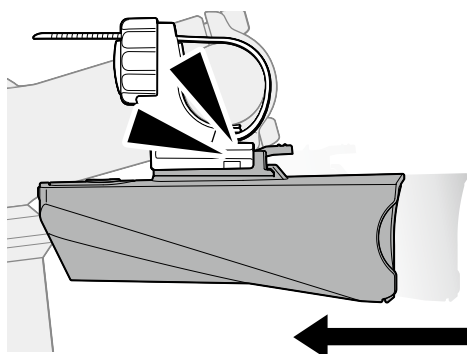
To adjust the angle, loosen the dial or the screw to the point that the bracket moves slightly, make the adjustment, and then tighten the screw to fix the light unit in place.

Ø 22 - 35 mm

Mounting height :

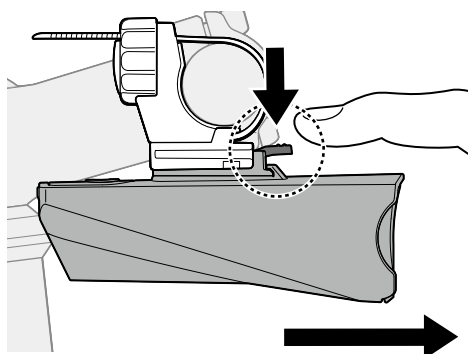
400 - 1200 mm

## Mounting



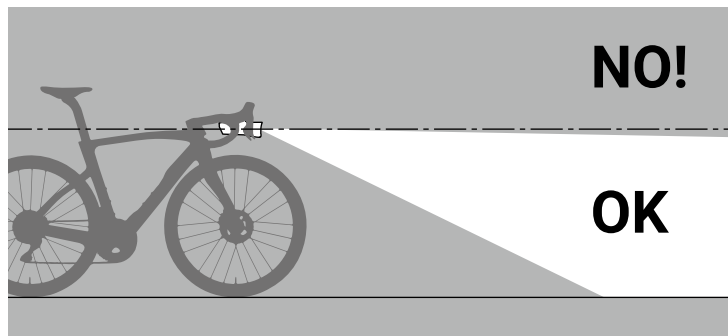
Insert the product until it clicks into place.

## Removing



Press the release tab toward the light unit and pull to remove.

## Adjusting the lighting angle



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

Cover →

Part names  
and package  
contents

How to charge →

Switch  
operation

How to mount  
to a bicycle

WARNING /  
CAUTION /  
LITHIUM-ION  
BATTERIES →

Specifications

Standard  
accessories /  
Optional  
accessories →

LIMITED  
WARRANTY →

## **WARNING!!!** (Risk of death; Prevention of accidents)

- Do not look directly at the light source. In addition, when mounting the light unit, ensure that the light would not dazzle other road users.
- To prevent accidents and to ensure safe riding, make sure the light is securely attached to the bracket and it is functioning properly without being unobstructed before the ride.
- Always pay attention to the remaining battery power by checking the indicator periodically while using the light.
- Do not disassemble or modify the light or any of the included items.

## **CAUTION!** (Prevention of injury, damage, or property damage)

- 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.
- Operating the light while riding is dangerous. Always ride safely.
- Note that the light becomes hot while illuminated. Do not block the lens or cover the light.
- Keep device out of the reach of children.
- When used with a cyclocomputer, attach the headlight as far away from the cyclocomputer as possible, as it may affect measurement.
- This device is rated IPX4 based on IEC 60529. Do not immerse the device in water. Doing so may cause a malfunction. Wipe off any moisture after using the device in rainy weather.
- Do not subject the light to strong vibrations, impacts, or excessive force. Discontinue use if any abnormality occurs.
- Do not charge or use the battery at any voltage or polarity other than that specified. Do not short-circuit the battery.
- Do not drop the light into a fire or heat the light.
- Due to the variability of LEDs, the color and brightness may differ even between devices with the same model number.
- Carrying a spare headlight is recommended in case the battery runs out.
- If the light unit or parts become dirty with mud, etc., clean with a soft cloth moistened with mild soap. Never apply paint thinner, benzine or alcohol; damage will result.

## **LITHIUM-ION BATTERIES**

### **Recharge the battery for first time use or after long period of storage :**

The voltage of the battery may drop due to self-discharge during long period of storage.

- Always fully charge the battery before use.
- If the device will not be used for a long period of time, store it in a location that is not too hot or too humid.
- Charge the battery for about 30 minutes every 6 months.

### **Cautions for charging and usage :**

- Charging, discharging, and storing in high temperatures will cause the rechargeable battery to deteriorate faster. Do not place the light inside a vehicle or near a heater. Make sure to charge only when the ambient temperature is between 5 and 40°C.
- Please be sure that no dust or other foreign objects are attached to the plug of the USB cable before charging.
- Do not apply a load to the connector port by hanging the light unit during charging.
- Do not subject the light to vibrations while charging.
- Once charging is completed, be sure to disconnect the USB cable from the charging port.
- After charging is complete, securely attach the charging port cover to ensure waterproofing before riding.
- Charging and lighting times are approximate values, and will vary by environmental and user conditions.
- If the illumination time is significantly reduced even after proper charging, the rechargeable battery may be nearing the end of its service life.

### **Cautions for dispose :**

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

Cover →

Part names  
and package  
contents

How to charge →

Switch  
operation

How to mount  
to a bicycle →

**WARNING /  
CAUTION /  
LITHIUM-ION  
BATTERIES**

Specifications

Standard  
accessories /  
Optional  
accessories →

LIMITED  
WARRANTY →

# 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>*2</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)<br>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)           |

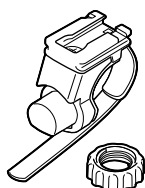
\*2 : Approximate average runtime at 68°F (20°C).

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

## Standard accessories

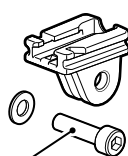
### 5338827N

Bracket  
(H-34N : FlexTight™)



### 5445340

GP bracket



Angle adjustment screw



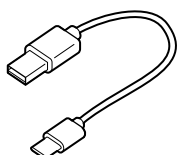
Tightening torque : **2N·m**

\* GP Bracket is for OF-200. Compatibility with brackets from other manufacturers is not guaranteed.

## Optional accessories

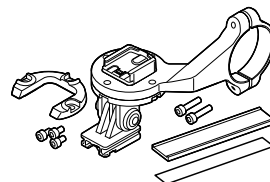
### 5342550

USB cable  
(Type-A ↔ Type-C)



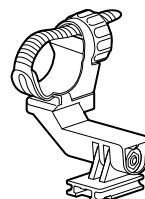
### 1604110

Out-front bracket 2  
(OF-200)



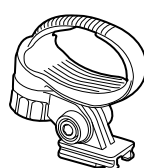
### 5343540

Bracket  
(H-34N CENTER)



### 5343550

Bracket  
(H-34N AERO)



Use only genuine components to prevent accidents and malfunctions.

Cover →

Part names  
and package  
contents

How to charge →

Switch  
operation

How to mount  
to a bicycle →

WARNING /  
CAUTION /  
LITHIUM-ION  
BATTERIES →

Specifications  
Standard  
accessories /  
Optional  
accessories

LIMITED  
WARRANTY →

# 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 original purchase. If the product fails to work during normal use, CatEye will repair or replace the defect at no charge. Service must be performed by CatEye or an authorized retailer. To return the product, pack it carefully and enclose the warranty certificate (proof of purchase) with instruction for repair. Please write or type your name and address clearly on the warranty certificate. Insurance, handling and transportation charges to CatEye shall be borne by person desiring service. For UK and REPUBLIC OF IRELAND consumers, please return to the place of purchase. This does not affect your statutory rights.

## CATEYE CO., LTD.

2-8-25, KUWAZU, HIGASHI SUMIYOSHI-KU, OSAKA, JAPAN 546-0041  
For inquiries, please visit <https://cateye.com/intl/contact>

Cover →

Part names  
and package  
contents →  
How to charge  
Switch  
operation

How to mount  
to a bicycle →

WARNING /  
CAUTION /  
LITHIUM-ION  
BATTERIES →

Specifications  
Standard  
accessories /  
Optional  
accessories →

LIMITED  
WARRANTY