


66mm

COMET-X FRONT

MANUAL



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Read this manual carefully before using and keep for future reference. Visit [www.moon-sport.com](http://www.moon-sport.com) for manual updates.

**FEATURES**

- 1 (16 chips) COB high brightness white LED
- CNC Aluminium heat sink casing
- Mode memory function
- Auto safe mode
- 3 steady modes, 4 flashing modes
- Rechargeable lithium polymer battery (3.7V 300 mAh)
- Quick release universal bracket (fits all round and AERO style bars)
- Low battery, charging and fully charged indicator
- Automatic fully charged cut-off system
- Side visibility
- Recharge time 2hrs
- Water resistant (IPX 4)

**CONTENTS**

COMET-X (FRONT)

RB-22 (Universal bracket)

2 O-rings for mounting:  
RS-G for Ø20-35mm  
RS-H for Ø35-52mm

BK-21 (Belt clip)

USB-WP (Water resistant USB cable)

**Optional accessories:**

RB-23 (Helmet bracket)

RB-27 (GoPro mount adaptor)

USB-RM-350 (USB remote control 350 mm)

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**OPERATION**

1. Press power button to turn on the light.
2. Press power button to choose modes.
3. Double click power button to toggle between steady and flashing modes.
4. Press power button for 1 sec to turn off the light.

\* With Mode Memory Function: the light resumes previous mode upon next usage.

\* Remote switch operation is same as above.

Mode 1

Mode 2

Mode 3

Double click

FL1

FL2

FL3

DAY FLASH (DOUBLE BLAST)

Power Button

Press

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**RUNTIME**

	Mode1	Mode2	Mode3	FL1	FL2	FL3	DAY FL
LUMEN	20	40	60	25	60	60	120
H:MIN	5:30	2:40	1:30	18:30	7:30	12:00	23:00
1M LUX	10.2	19.2	30.8	/	/	/	/
2M LUX	2.8	5.2	8.4	/	/	/	/

270°

TOTAL ANGLE

77°

SPOT ANGLE

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**HANDLEBAR MOUNTING**

1. Choose the strap to fit in the handlebar.
2. Make sure the strap is click in place of the hook.
3. Hold the light on the handlebar.
4. Wrapping rubber strap around handlebar and stretching strap around hook to secure.
5. Slide the light forward onto bracket until it clicks into place.
6. Press down release lever to remove.

Install

Pull

Press

Install

Release

Release

Wrapping

Adjust

Release

Wrapping

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7. Adjust the horizontal/vertical beam angle when mounted on the handle bar/seatpost, loosen the screw knob and spin the light left to right / band the light up or down for your preferred angle, then tighten the screw knob to secure the light in place.

**BELT CLIP MOUNTING**

1. Slide light forward onto belt clip until it clicks into place.
2. Press down release lever to remove.

Release

Install

click

Press

Method 1

Method 2

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**HELMET MOUNTING (Optional)**

1. Wrap belt around helmet and return the belt onto slotted space.
2. Slide the light forward onto bracket until it clicks into place.
3. Press down release lever to remove.

Release

Install

click

Press

RB-23

Release Lever

Screw Knob

Belt

To adjust the vertical beam angle when mounted on the helmet, loosen the screw knob and rotate the light up or down to your preferred angle, then tighten the screw knob to secure the light in place.

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**LOW BATTERY AND CHARGING INDICATOR**

Low battery

- \* Steady Blue

Auto safe

- \* Flashing Blue

Charging indicator

- \* Flashing Blue - charging
- \* Steady Blue - charged

**AUTO SAFE MODE**

To preserve battery when power is low, the light will enter safe mode with less light output for extra 1 hour. Safe mode cannot be override. Recharge battery for maximum performance.

**BATTERY CHARGING AND CARE**

1. Turn off the light.
2. Lift the rubber cover.
3. Plug the USB cable into charging port.
4. Plug the USB cable to wall or computer USB socket.
5. Charging indicator will be on. Unplug the cable after fully charged.

Rubber cover

USB charging or remote control port

Power Button

Indicator

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**BATTERY CARE**

- \* Do not charge over 5V, the battery will result in damage.
- \* Keep away from flammable objects while charging as this may lead to fire or battery explosion.
- \* Battery may get high temperatures during charging (up to 104°F/40°C) The battery capacity may become ineffective about 80% of its value after 300 charged/discharge cycles.
- \* The battery voltage and capacity decrease apparently at low temperatures, especially near or below ice point. The capacity decreases 5%-10% at freezing (burn time decreases 50%). At -20°C, the capacity decreases 30% (burn time decreases 70%). The battery performance will return normal when the temperate gets up to 70°F/20°C.
- \* Keep the battery in cool and dry place when storing. Recharge the battery fully at least every 3 months.

**WARNING**

- \* Understand country lighting laws and regulations before use.
- \* Do not shine directly in the eyes.
- \* Light may get hot when in use.
- \* Adjust the angle downward to prevent from blinding the oncoming vehicles on the public roads.
- \* Do not submerge the battery or the whole light into water.
- \* Unplug the light, charger and cable once the battery is fully charged.
- \* Do not dismantle the light which will void warranty.
- \* Do not leave the light on and unattended.
- \* Keep the light away from fire and combustible materials.
- \* Do not store head unit when hot or straightway after use.

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**WARRANTY**

MOON Lights are covered by a ONE YEAR LIMITED WARRANTY from the date of purchase is free from defects in material and workmanship. This warranty does not apply to damage due to heat, physical damage resulting from abuse, neglect, improper repair, improper fit, or alterations of the fixture. This covers the lights and cables only. Batteries are covered by 120 days warranty not including battery normal wear.

All customers should contact the local dealer or regional distributor for warranty service. To make a claim, first contact original dealer or distributor. Some issues may be resolved upon the initial call. If return of the product is necessary, use traceable method such as FedEx or UPS. MOON is not responsible for lost or misdirected packages.

Please include your full contact information (name, address, phone number, and email (if applicable)), and a description of the issue.

For more information please contact us at [cs@moon-sport.com](mailto:cs@moon-sport.com)

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