moon®
LIGHT THE WAY YOU RIDE ON

VLS BUTTON

POWER BUTTON

USB TYPE-C REMOTE CONNECTOR

USB TYPE-C REMOTE PORT

PRINTED CIRCUIT BOARD

2 PCS LUMINUS SST-40 + 2 PCS CREE XML-2

CANOPUS

ALUMINUM HEAT SINK LIGHT BODY

HIGH PRECISION OPTICAL LENS

HANDLEBAR MOUNT SLOT

W N W N

105° TOTAL ANGLE
17° SPOT ANGLE
23° FLOOD ANGLE
300m

W W N N

105° TOTAL ANGLE
23° FLOOD ANGLE
150m

105° TOTAL ANGLE
17° SPOT ANGLE
250m

CANOPUS

BS-S4

RB-41

RB-36

XP-BSM-0813

USB-C

USB-C-RM2020

USB-CTC

EXC

FEATURES

* Boost mode
* Dual angle beam
* Day flash mode
* Light mode memory
* CNC Aluminum heat sink casing
* USB remote control system
* External battery pack
* Over heat protection system
* Quick release handlebar mount
* Quick release helmet mount

* Low battery, charging and fully charged indicator
* Automatic fully charged cut-off system
* Water resistant (IPX 7)
* Water resistant USB port
* Lock mode
* Variable lumen system
* FL-1 tested lumen
* FL-1 tested runtime
* FL-1 tested beam distance

CONTENTS INCLUDED

RB-41 (Helmet Mount)
RB-36 (Handlebar Centre Mount)
USB-C (USB Type-C cable)
USB-CTC (USB-C To USB-C Cable)
USB-C-RMS2020 (USB-C Remote Control)
EXC (Extension Cable)
XP-BSM-0813 (Velcro Band)
BS-S4 (External Battery Pack)

OPERATION

⚠️ CAUTION: Hot!

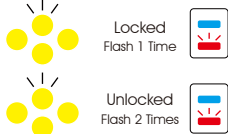- OPERATING INDICATOR
- POWER BUTTON
- VLS BUTTON
- BATTERY INDICATOR
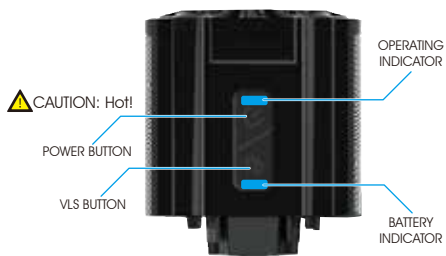
ON / OFF	: Press ⏻ 1s
MODE SELECT	: Click ⏻
STEADY / FLASH	: Press and hold ⏻ 3S
BOOST MODE	: Double click ⏻
LOCK/UNLOCK	: 1. Power off ⏻
	2. Press ⏻ 5s:

Locked
Flash 1 Time

Unlocked
Flash 2 Times

BATTERY INDICATOR :

| 100% | 75% | 40% | 10% |
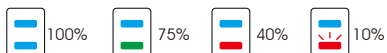
* Lock system:
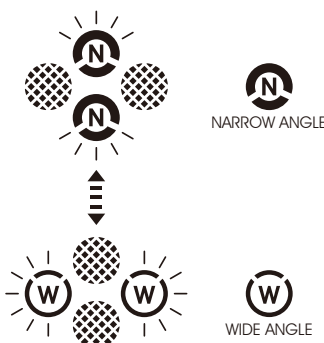 Lock the light to prevent accidentally turned on.

* Mode memory:
  The light resumes previous mode upon next usage.

DUAL ANGLE BEAM

Dual Angle beam is designed for user to select wide or narrow angle beam for different road section.

BEAM ANGLE SELECT: Click 🔆

NARROW ANGLE

WIDE ANGLE

RUNTIME

		BOOST	MODE1	MODE2	MODE3	FLASH1	FLASH2	DAY FLASH	SOS
☀	DEFAULT LUMEN	4000	3000	1500	750	100	200	400	100
🕐	H:MIN	2:00	2:30	5:30	12:00	200:00	110:00	300:00	100:00
VLS	LUMEN	-	3000-100	3000-100	3000-100	4000-50	4000-50	4000-50	-
🕐	H:MIN	-	2:30-94:00	2:30-94:00	2:30-94:00	13:00-500:00	18:00-80:00	49:00-800:00	-

		BOOST	MODE1	MODE2	MODE3	FLASH1	FLASH2	DAY FLASH	SOS
☀	DEFAULT LUMEN	2200	1300	1000	500	50	100	200	50
🕐	H:MIN	4:00	7:00	10:00	21:00	320:00	160:00	400:00	170:00
VLS	LUMEN	-	1500-50	1500-50	1500-50	2200-20	2200-20	2200-20	-
🕐	H:MIN	-	6:00-140:00	6:00-140:00	6:00-140:00	25:00-600:00	35:00-120:00	97:00-1400:00	-

		BOOST	MODE1	MODE2	MODE3	FLASH1	FLASH2	DAY FLASH	SOS
☀	DEFAULT LUMEN	2200	1300	1000	500	50	100	200	50
🕐	H:MIN	4:00	7:00	10:00	21:00	320:00	160:00	400:00	170:00
VLS	LUMEN	-	1500-50	1500-50	1500-50	2200-20	2200-20	2200-20	-
🕐	H:MIN	-	6:00-140:00	6:00-140:00	6:00-140:00	25:00-600:00	35:00-120:00	97:00-1400:00	-

VLS BUTTON

VLS

1. Select desired mode.
2. Press and hold 🔆 to set lumen.
3. Release 🔆 when reaching desired lumen.

* Light flashes once when reaching the MAX or MIN lumen level.

Flash 1 Time

* Restore default mode:
  Press ⏻ + 🔆

Flash 2 Times

* Mode memory:
  The light resumes previous VLS setting upon next usage.
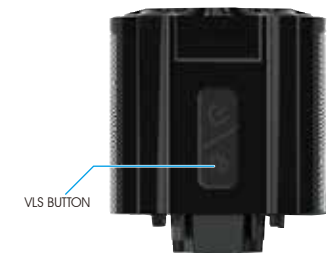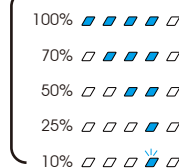
HEAT CONTROL SYSTEM

OVERHEAT PROTECTION

The overheat protection device can ensure the bicycle light in a good running temperature condition, so that to protect the LEDs without burning case. If the light is in high temperature during operation, it will dim the light output.

The high brightness LED will heat up the light body while working. The Air Vent Cooling System lets air flows through the light body, which will reduce the heat generated by the running LEDs. The good cooling system maintains better LED performance and overall reliability of the light.

FRONT VIEW

BATTERY CONNECTION

Plug in the DC cable to connect with light.

DC CABLE

* Make sure to power off the light before unplug the DC cable
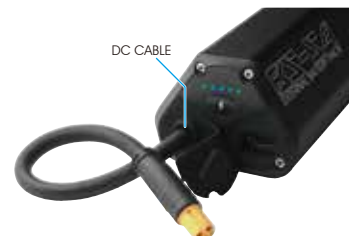
Battery Indicator (Running)

100%	
70%	
50%	
25%	
10%	

BS-S4
(PD3.0/ QC3.0/ PPS 18W Max.)

INPUT : (USB-C)
5V/3A; 9V/2A; 12V/1.5A Max.

OUTPUT : (DC PLUG) 7.26V/6A
(USB-C) 5V/3A; 9V/2A;12V/1.5A Max.

RATING : 7.2V
6700mAh
48.24Wh

BATTERY CAPACITY

Press ⚡ to show the battery capacity.


POWER SUPPLY

1. Unplug the DC cable
2. Plug in the USB-CTC cable to the battery.
3. Plug the USB-CTC to the device to be charged.
4. Unplug the cable after charging.
* Do not charge any device without global safety standard.
* Close the cover when not in use.
* keep away from flammable objects while charging.

USB TYPE C PORT

Power Output Indicator

Battery Level

Charging

Quick Charge Power Output Indicator

Battery Level

Charging

EXTENSION DC CABLE

CLICK
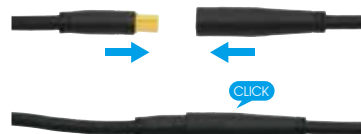
BATTERY CHARGING

1. Power off.
2. Plug USB cable to USB port.
3. Unplug after fully charged.

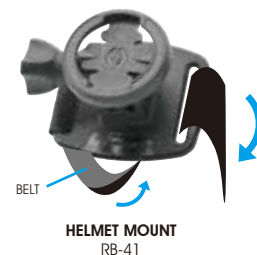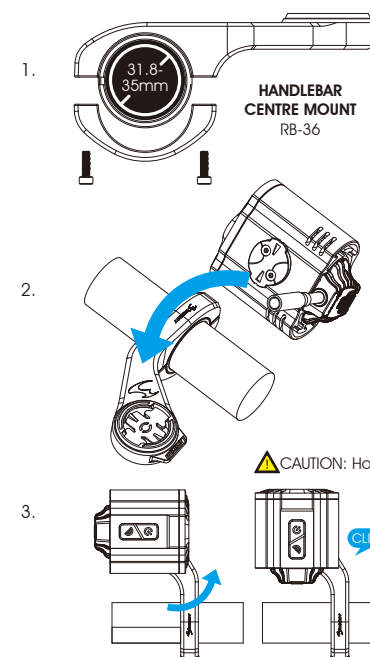* Close the cover when not in use
* keep away from flammable objects.

USB TYPE C PORT

Charging Indicator (Input)

10%	
25%	
50%	
70%	
100%	

Quick Charge Indicator (Input)

10%	
25%	
50%	
70%	
100%	

No Power Input Detected

BRACKET MOUNTING

1.

31.8-35mm

HANDLEBAR CENTRE MOUNT
RB-36

2.

⚠️ CAUTION: Hot!

3.

CLICK

USB TYPE C PORT

BELT

HELMET MOUNT
RB-41

BATTERY MOUNTING

1. 2. 3. 4. 5.

REMOTE CONTROL

22-35mm

REMOTE SWITCH MOUNT
USB-C-RM2020

USB TYPE-C REMOTE PORT

1. Open the light USB port cover.
2. Plug in the remote control cable.
* Unplug the cable and close the port cover when not in use.
* Do not plug in other USB cable or charger.

WARNING

* Understand country lighting laws and regulations before use.
* Do not shine light directly into eyes.
* Do not mount near wireless computer.
* Do not blind the oncoming vehicles. Always adjust the angle downward.
* Do not submerge the light into water.
* Keep light in cool and dry place when storing.
* Fully recharge the light at least every 3 months during storage.
* After 300 charge/discharge cycles, the battery capacity may become less effectiveness to around 80%.
* Do not dismantle the battery case.
* Do not charge except specified charging condition.
* Keep battery away from fire and combustible materials.
* Do not heat above 60°C or short circuit.

WARRANTY

MOON lights are covered by a **ONE YEAR LIMITED WARRANTY** while MOON batteries are covered by **120 days** warranty from the date of purchase. This warranty covers the defects in material and workmanship only with proof of purchase. Please contact original dealer for warranty service. For lights bought on MOON website, please contact **cs@moon-sport.com** for help.

ONLINE WARRANTY REGISTRATION
Visit **www.moon-sport.com** for online warranty registration.