

# CABS-06U 1900 Lumen Bike Light Lamp Unit

## Product Features

Operating Environment	-10C - +50C	Operating Voltage	6V - 8.4V
Storing Environment	10C - 50C	Power Output	High: 100% / Med: 25% / Low: 10%
Bulb Type	3 x CREE XPG G3 Natural White Light LEDs	Battery Pack	No Battery supplied with this product – ships with O rings only
Run Time	High: 2.5hr/Med:14hr/Low:35hr /Pulse:15hr	Charge Voltage/Cycles	8.4V ± 0.1V / > 500 charge cycles
Luminous Flux	1900 Lumens	Switch	Waterproof button switch
Bulb Life Span	> 50,000 hrs	Weight	0.012Kg
Material	6061-T6 Aluminium Hard Anodizing	Operating Modes	Battery Capacity Indicators (approximate) High 100-66% - Button is Green Medium 66-33% - Button is Yellow Low <33% - Button is Red Pulse Strobe 2hz 0.5a with a duty cycle of 1/3 – on for 0.33 second off for 0.67 seconds
Waterproof Standard	IPX5		
Lens	Glass lens manufactured in Finland with diffused area over each LED		

## Usage Instructions & General Maintenance

**Switch:** When the light is connected to power supply the switch glows green. It remains green whilst the power balance is within the 66 - 100% range. When the balance drops below 66% the switch glows yellow. When the balance drops below 33% the light glows red and unit automatically drops into low mode. Flashing red indicates imminent power down.

**Modes:** To turn light on & off hold switch down for 3 secs. Light starts at low setting, single clicks will cycle through medium and high settings. Double click in any mode will instigate pulse mode. When lamp unit turns off button will flash red twice and go into standby mode – this means that it is still attached to battery but button LED is off, 0V draw on battery pack.

**Weatherproofing:** This unit is sealed and it is not recommended for users to open the unit

## Product Safety Functions

1. On startup, if an abnormal state of acuity opening or short circuit is detected light will automatically shut down within 1 second into protected state. If battery cell voltage drops <3VDC the battery pack will shut down.
2. Battery Recharge Protection is automatic and will shut down the operation.
3. Battery Short Circuit protection is automatic and will shut down the operation and go into protected state.

## Caution

1. Do not look directly in light or point in another person's eyes – this may cause damage to eyesight.
2. Do not pack light in baggage connected to battery pack – this may result in accidental operation of light causing damage to other items in baggage, or possibly, fire.
3. Do not touch glass lens after long period of use – it may cause burns.

## Battery Precautions & Usage

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| <ol style="list-style-type: none"> <li>1. Do not dispose of battery pack in fire</li> <li>2. Do not deliberately short circuit the battery</li> <li>3. Avoid dropping battery pack or causing it to suffer heavy blows or excessive shaking.</li> </ol> | <ol style="list-style-type: none"> <li>5. Do not try to dis-assemble the battery and replace cells with other batteries.</li> <li>6. Battery Pack is encased in waterproof rubber shell</li> <li>7. Only use battery pack supplied with the light.</li> </ol> |
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## Charging Environment Parameters & Rules

1. Charging Current ≤ 1000 mA	8. Use only the approved charger
2. Charging Voltage ≤ 8.4V - Balance	9. Charging environment humidity is 65 ± 25%
3. Charge environment temperature 0°C – 50°C	10. Charge time 4 hrs – maximum time on charge - 24 hrs
4. Over voltage protection – disconnects when applied voltage > 4.3V per cell	
5. Under voltage protection – When cell voltage <3V DC the battery pack will disconnect	
6. It is strongly recommended that batteries are not left to charge unattended, eg overnight.	
7. Repeated short use periods followed by re-charge can induce 'memory' into battery pack cells. Regular full-discharge and recharge cycles will keep your battery in tip top condition.	