

CABS-1000Lm Lite Helmet Light Kit

Product Features

Operating Environment	-20C - +50C	Operating Voltage	8.4V
Storing Environment	0C - +50C	Power Output	High: 10W / Low: 3W
Bulb Type	CREE XPG G3 Natural White LED	Battery Pack	Helmet Mounted Battery case + 2 x Xtar 3100mAh Li-Ion Rechargeable Batteries
Run Time	High: 2.5 hr / Low: 5 hr	Charge Voltage	8.4V ± 0.1V
Luminous Flux	1000 Lumens	Switch	Waterproof button switch
Bulb Life Span	≈ 2500 hrs	Weight	94 grammes (lamp unit)
Material	6061-T6 Aluminium	Operating Modes	See Switch and Modes below
Waterproof Standard	IP 65		

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 70 - 100% range. When the balance drops below 70% the switch glows orange. When the balance drops below 30% the light glows red. Flashing red indicates imminent shut down.

Modes: Hold button 3 secs to turn light on in low – single click up through medium to high. Double click for pulse.

Waterproofing: If water or dust is ingressing the light body then replace sealing 'O' ring with provided spare. To prevent the lens holder sizing to the light body thread should be lubricated twice a year with light lubricant.

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.
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. Please charge battery pack fully before use and charge away from explosive, flammable material or gas.
3. 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.
4. 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"> 1. Do not dispose of batteries in fire 2. Do not deliberately short circuit the batteries 3. Avoid dropping battery pack or causing it to suffer heavy blows or excessive shaking. | <ol style="list-style-type: none"> 4. Do not try to dis-assemble the battery. 5. Do not submerge in water. 6. Keep battery pack away from children. |
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Charging Environment Parameters & Rules

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| 1. Charging Current ≤ 2000 mA | 4. Use only the approved charger |
| 2. Charging Voltage ≤ 8.4V | 5. Charging environment humidity is 65 ± 25% |
| 3. Charge environment temperature 0°C – 50°C | 6. Charge time 4 hrs – maximum time on charge - 24 hrs |

General Tips

1. **Snap-on cable connectors** can be difficult to dis-connect, especially when new, a light smear of petroleum jelly on the collar of the connectors will make them easier to assemble and dis-assemble. Petroleum jelly (Vaseline) is itself a water barrier and this will not affect waterproofing.
2. **Repeated short use periods** followed by re-charge can induce 'memory' into battery pack cells. Two or three complete discharge/recharge cycles will bring the batteries back up to full function.
3. Although **battery case is** designed to be weatherproof it should not be fully immersed in water.
4. **This kit ships with** 1 x 1000 Lumen front light, Helmet Mounted Battery Case, pack of fluorescent 'O' rings, 2 x Xtar 3100mAh Li-Ion Rechargeable Batteries, and an Xtar MC2 Intellicharger.