



C255-4 Shortwave UV Flashlight

Battery charging:

First-time usage (for flashlights shipped with battery):

Unscrew the back off the flashlight and remove the protection spacer from the battery and fully charge the battery before first usage! The battery is in storage mode and needs to be charged as soon as possible!

The C255-4 must be used with one rechargeable 26650 Lithium-Ion battery (>5000mAh, minimum 10A discharge type) or one 18650 Lithium-ion battery (>3400mAh, minimum 10A discharge type) with the included spacers. When the battery is almost empty, the flashlight will start to flash and eventually will shut down the lamp. When flashing starts, recharge the battery as soon as possible!

Warning:

1. Place the battery with the + to the inside. Reverse placement can destroy the flashlight and battery.
2. NEVER look directly into the light beam. This can damage your sight! Wear safety glasses! UVC radiation is invisible! UVC radiation can be harmful!
3. This lamp is NOT suitable for children, it is NOT a toy.
4. Don't aim the light beam directly to your skin. Exposure can damage the skin tissue! UVC radiation can be harmful!
5. Never point the light beam to any other living person or animal! UVC radiation can be harmful!
6. Do not operate the lamp for more than 5 mins continuous. Use it with intervals to cool it down. Keeping the led cool prolongs its life.
7. Do not disassemble the flashlight or make any modifications. This will void the warranty.

Warranty:

The C255-4 UV flashlight has a one year factory carry-in warranty. The warranty starts on the date of delivery. The warranty will void if the lamp is modified or broken due to fall, damage, improperly handling or battery leakage.

Features:

- Very high power 255nm Shortwave UV flashlight.
- For professional use
- Top quality 255nm UV Led
- Powered by one Lithium-Ion 26650 (sold separately) battery or one 18650 battery (sold separately) with included spacer
- Tail cap switch
- Equipped with replaceable UV bandpass filter
- Waterproof IPX-8 (2 meter)

Brand	Colorgems
Material	Aluminum alloy
Lens	42mm ZWB3 UV Filter
Led type	16.8W Pd 255nm band
Size	155mm(Length)* 33mm(Diameter)* 45mm(Lamp Head)
Modes	One mode
Color	Black
Weight	235g

Operating instructions

Battery placement:

Place the battery with

The + towards the

inside



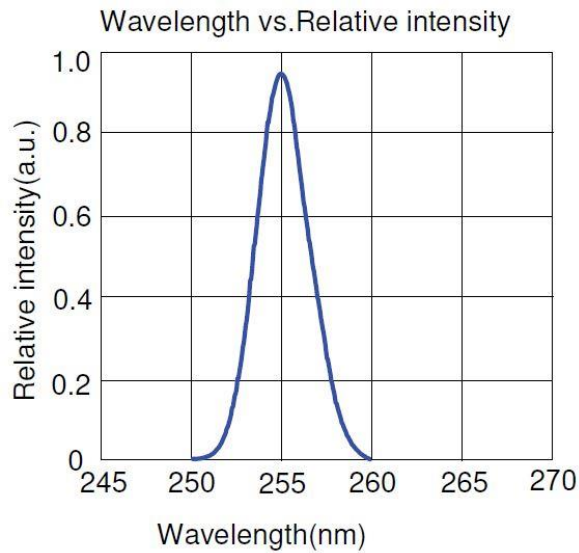
Technical Specifications:

Colorgems C255-4 lamp power: ~ 18W

Optical power: 500mW

Lamp type: spot

Led spectrum:



Operating times fully charged battery:

26650 battery: > 1hr

18650 battery: > 40mins

Led useful lifetime: ~5000hrs

Filter useful lifetime: ~1000hrs *

Advised filter replacement interval: 1 year *

* Current research has shown that 255nm leds don't seem to cause solarization. Solarization might only be caused by ozone which is generated by uvc wavelength between 100nm and 240nm. 254nm Hg tubes also emit sidebands in these deeper uv ranges, 255leds in contrast have a very narrow bandwidth and don't seem to form ozone. This would mean a much longer lifespan of the filters than the estimated 1000hrs. More scientific research is being performed on this. Any new info will be updated