



# C255-1 Shortwave UV Flashlight

## Features:

- High power 255nm Shortwave UV flashlight.
- For professional use
- Top quality 255nm UV Led
- Powered by one Lithium-Ion 21700 battery (sold separately) or one 18650 battery (sold separately)
- Tail cap switch
- Equipped with replaceable UV bandpass filter
- Waterproof IPX-8 (2 meter)

Brand	Colorgems
Material	Aluminum alloy
Lens	23.6mm ZWB3 UV Filter
Led type	4.2W Pd 255nm band
Size	126mm(Length)*27mm(Head Diameter)*27mm(Body Diameter)
Modes	One mode
Color	Black
Weight	90g

## Operating instructions

### Battery placement:

Place the battery with  
The + towards the  
inside.



### Battery charging:

First-time usage (for flashlights 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!

After charging return the battery in the flashlight according to instructions. Fasten tightly!

The C255-1 must be used with one rechargeable 21700 Lithium-Ion battery (>5000mAh, minimum 10A discharge type) or one 18650 Lithium-ion battery (>3400mAh, minimum 10A discharge type). 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 is 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 is harmful!
5. Never point the light beam to any other living person or animal! UVC radiation is harmful!
6. Do not operate the lamp for more than 5 mins continuous. Use it with intervals to cool it down. Overheating the Led will cause it to fail.
7. Do not disassemble the flashlight or make any modifications. This will void the warranty.

### Warranty:

The C255-1 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.



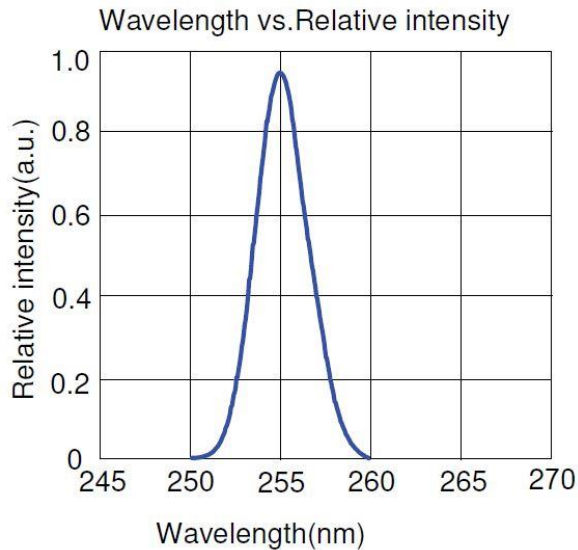
## Technical Specifications:

Colorgems C255-1 lamp power: ~ 5W

Optical output: 120mW

Lamp type: spot

Led spectrum:



Operating times fully charged battery:

21700 battery: > 4hrs

18650 battery: < 3hrs

Led useful lifetime: ~5000hrs

Filter useful lifetime: ~1000hrs \*

Advised filter replacement interval: 1 year \*

\* Recent testing has shown that filter solarization doesn't seem to happen with LED 255nm wavelengths and seems to be caused only with Hg UVC tubes that also emit UVC wavelengths < 240nm that cause ozone to form. More scientific testing needs to be done, but first testing shows no deterioration happening to the filters whatsoever when used with 255nm LEDs