

Weltool M2 Purple Beard UV 365nm Professional Flashlight



M2 UV flashlight is also called black light, adopts high efficiency pure 365nm UV-A LED with the LED radiation flux of 2060mW. The flashlight body is compact with a steel clip included as an accessory, powered by 1 piece of li-ion battery, compact and portable. The visible wavelength range to human eye is 400-700 nm, while the dominant wavelength of the M2 flashlight is 365 nm with less visible light, so the M2 is not "bright" in eyes and it's not designed for use of illumination. From which it proves that it's pure 365 nm wavelength with a better performance than the ultraviolet light of other wavelengths (380-400 nm).

Features:

- Case Material: Aerospace Aluminum Alloy construction; Black anodized finish
- Battery: 1 x 18650 li-ion battery (not included)
- Switch : Tail cap switch (up to 50,000 presses)
- No need preheat, press to switch on, reduce the preheat time.
- 2 adjustable modes, suitable for different usages.
- Reverse Polarity Protection
- Over-Discharge Protection
- Low Voltage Warning
- Fully regulated output, no PWM, no circuit noise
- High light transmission tempered glass lens
- Purple oxidized aluminum alloy protection bezel
- Anti-slip, anti-roll design
- 1 meter impact resistance
- O-ring sealed, IP67 water resistance rating
- Individually serialized
- Accessories (included): O-ring

Warning: This product is suitable for professional use. Do not use M2 flashlight to illuminate the human body. Do not illuminate eyes or expose to skin for a long time. Do not illuminate the reflective objects that can be reflected, such as mirror or glass. Please wear professional UV protective glasses and keep away from children!





M2 "Purple Beard" is a professional-grade UV detection flashlight, which is more suitable for professional fields:

UV curing: Some curable adhesives specify the 365nm UV for rapid curing, M2 UV flashlight can also be applied to ink curing field, such as printing, oil painting and wood instrument processing.

Forensic investigation & evidence collection: Proteinaceous materials emit fluorescence when illuminated by UV light. So M2 can be used to check the body fluid, blood, fingerprint, fiber and also to analyze the bite mark and bruise. UV light usually is used for detection of fraudulent documents such as ID card, visa, passport, credit cards or banknotes. The UV light can be used for arson investigation through the spattering of chemical combustibles and used for car theft forensics by identification of car ID label, and also for vehicle accident analysis.

Non Destructive Testing (NDT): M2 is a compact flashlight especially suitable for on-site fluorescence penetrant testing and fluorescent magnetic particle inspection of special equipment in ships, pressure vessels, draught fan blades and other narrow spaces.

Leaks detecting: By the fluorescence reaction of ethylene glycol in the cooling system, M2 black light can be used to check the leaks of the car radiator and the air-conditioning refrigerant by adding a fluorescent agent. And it works on detecting engine leaks and oil pipeline leaks.

Ore exploration: Some kinds of ore cannot be quickly identified by the naked eye, but they present various colors under UV beam and can be quickly noticed. It also applies to screening of gems, amber and jade, artifacts, antiques, and discovering traces of fraud and glue.

Hygiene: Riboflavin validation in pharmaceutical companies, inspection of human body fluids and other tissues pollutants in public places, cleaning of oil stain, and the presence of traces of urine from rodents such as rats in the warehouse.

Home: Find pet defecations, oil or contaminant in kitchen and bathroom, check sanitary products, clothing, cosmetics, paper towels with fluorescer.

Outdoor activities: The outer shell of the scorpion glows under the M2 UV flashlight's beam, making it easy to find even in the dark. Many mushrooms and flowers, fruits, seeds or some insects, bees, and small crabs are more magical under the illumination of M2 than at night or in daylight.

M2 series have 3 models: M2-OL (Even-beam), M2-CF (Focused high radiation beam), and M2-BF (Focused pure beam), no matter you are a law enforcement officer, mechanic, engineer, maintenance person or workman, warehouse manager, outdoor enthusiast, laboratory researcher, M2 "Purple Beard" can be a good helper!



Model:	M2-OL (Even-beam)		M2-CF (Focused high radiation beam)		M2-BF (Focused pure beam)	
Reflector:	Optical glass lens, even-beam, fits for close-up usage		High reflection reflector of aluminium alloy, fits for long-range usage		High reflection reflector of aluminium alloy, fits for long-range usage	
Tested with Weltool UB18-35 Rechargeable Lithium Battery	Low radiant flux mode	High radiant flux mode	Low radiant flux mode	High radiant flux mode	Low radiant flux mode	High radiant flux mode
LED Radiant flux	680mW	2060mW	630mW	1800mW	630mW	1800mW
Spectral radiosity 38cm(15in) ($\mu\text{W}/\text{cm}^2$)	350	1100	6800	18200	5900	15500
Irradiated area diameter of distance of 38cm(15in)	36cm		20cm		20cm	
Central beam diameter of distance of 38cm(15in)	36cm		6cm		6cm	
Visible spectrum illuminance @ distance of 38cm(15in)	$\leq 6\text{Lux}$	$\leq 19\text{Lux}$	$\leq 64\text{Lux}$	$\leq 167\text{Lux}$	$\leq 13\text{Lux}$	$\leq 43\text{Lux}$
Runtime(h): Until radiosity falls to 10%	10h 25min	4h 20min	10h25min	4h20min	10h25min	4h20min
Dimension:	(Bezel Dia.) 27.5mm x (Body Dia.) 23mm x (Length)123mm		(Bezel Dia.) 27.5mm x (Body Dia.) 23mm x (Length)135mm		(Bezel Dia.) 27.5mm x (Body Dia.) 23mm x (Length)135mm	
Weight	77.5g		80.5g		80.5g	



Accessories



INR18-26 18650 Li-ion Battery



UB18-26 18650 Li-ion Battery



UB18-35 18650 Li-ion Battery



FH1 Flashlight Holster



BC1 Battery Charger



BC2 Battery Charger

Item Name	Part #
M2-OL	71071
M2-BF	71073
M2-CF	71074
Accessory Name	Part #
INR18-26 18650 Li-ion Battery	71011
UB18-26 18650 Li-ion Battery	71053
UB18-35 18650 Li-ion Battery	71054
BC1 Battery Charger	71005
BC2 Battery Charger	71006
FH1 Flashlight Holster	71009