

POLILIGHT-FLARE[®] PLUS

The brightest hand held battery operated unit with a versatile head



POWERFUL OUTPUT

Most powerful optical output

WATERPROOF

Submersible to 100m (330ft)

VERSATILE

Interchangeable heads

INTERCHANGEABLE BATTERY CONNECTION

Heads can be either directly attached or remote

BRIGHTEST UV AND PURPLE OUTPUT

2450mW/365nm, 6500mW/415nm optical output

LONG CONTINUOUS MAXIMUM OUTPUT

100-140 minutes at full power

POLILIGHT-FLARE® PLUS (Patent Pending)

More power and versatility, that's what we were told after the successful introduction of the smaller Polilight-Flare. So this is our answer to those requests; Polilight-Flare® Plus, the MOST POWERFUL hand held integrated battery operated LED light-source available today.

Polilight-Flare® Plus is packed with many unique features. It is brighter than any other hand held battery system. The white light head gives an incredible 1680 lumens output equivalent to a 350 Watt lamp. It produces 1 lux at 450m (1480ft), and allows signalling 22 Km (14 miles) in clear weather. Heads with 8 different wavebands can be rapidly interchanged either directly onto the battery or via a remote cable. With the remote cable, the light source head is lightweight, being a mere 220 gms. (7.76 oz); the battery is clipped to the belt and allows easy use. The batteries are lithium ion so there is no worry about their charging habits !! No memory effect or defects. Batteries last for a remarkable 100-140 minutes at full continuous power, or 480 minutes at 35% power. The battery life is rated at 10 years.

The Polilight-Flare Plus has inbuilt intensity control, strobing and taillight options are provided. The strobe effect can be used to increase the contrast between background and evidence in some forensic applications, and is equivalent to a 500 Watt lamp.

Polilight-Flare® Plus housing is anodised Aerospace grade aluminium with thermoplastic rubber grip. The unit is watertight and is submersible up to 100m (330ft).

Polilight-Flare® Plus heads (bands to the 1% level):

UV	365	350 - 380
Purple	415	390 - 430
Blue	450	430 - 470
Cyan	505	470 - 510
Green	530	515 - 540
Green/Yellow	555	540 - 570
Red	620	610 - 640
White	-	400 - 700

Each head has the unique ability to either connect directly on to the battery body OR have the battery clipped remotely to a belt with a connecting cable to the head. Interchanging heads takes a few seconds. The light head can be hand held or fitted to the arm, shoulder or headgear to allow hands free operation at the scene of crime.

The LEDs used in Polilight-Flare® Plus are state of the art, fabricated to Rofin's specification. The UV head produces 2450mW optical light and the 415nm head is producing 6500mW. This is without comparison in a hand held LED device.

The beam is collimated with a 5° divergence giving a superbly even light spot. In addition, a range of beam profile filters is available which can be clipped onto the front of the Flare Plus head to create a wider divergence or a strip of light ideal for shoeprint visualisation.

If you used the Polilight-Flare® Plus for 8 hours per day, 5 days per week, the light source would still be working after 25 years !



• A



• B



• C

SPECIFICATION

Weight (head and battery)	871 grams (31 oz)	
Size	Head diameter	65 mm (2.6")
	Body diameter	46 mm (1.8")
	Overall length	275 mm (10.8")
	Head length	94 mm (3.7")
	Battery length	200 mm (7.9")
Battery	Lithium ion - capacity: 12 Volts, 4.4 amps	
	Mains charger and car charger adapter supplied as standard	
Light output	White = 1680 Lumens WR output	
	UV = 2450mW; 415nm = 6500mW	
Continuous operation	100% output	100-140 min (depending on head type)
	70% output	240 min
	35% output	480 min
Waterproof	Submersible to 100m (330ft)	
	Salt water resistant	
Lens	5 degrees	
Beam profile filters (Optional)	1, 5, 20 and 50 degrees (spot).	
	60 x 1 degrees (strip).	
Housing	Anodised Aerospace grade aluminium	
Grip	Thermoplastic - rubber	
Strobe effect	500 Watt	
Usable light	1 lux at 450m (1480ft)	
Signalling:	22 Km (14 miles) in clear weather conditions	

- A: Interchangeable heads connected directly to battery, with belt clip
- B: Remote heads connected to battery, with belt clip
- C: Accessories – Goggles, Car Charger and AC Charger

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