

# POLILIGHT-FLARE<sup>®</sup> PLUS 2

The brightest hand held battery operated forensic light.

LONG CONTINUOUS MAXIMUM OUTPUT

POWERFUL OUTPUT

CONTINUOUS POWER  
WATERPROOF



**POWERFUL OUTPUT**  
Most powerful optical output available

**LONG CONTINUOUS MAXIMUM OUTPUT**  
370 minutes at full power

**MAINS OR CAR CHARGING**  
Heads can be either directly attached or remote

**WATERPROOF**  
Submersible to 10m (33ft)

**LIGHT WEIGHT**  
Weighs only 700gms

**PURE LIGHT OUTPUT**  
Filtered to  $10^{-6}$

**SIMPLE OPERATION**

# POLILIGHT-FLARE® PLUS 2



The Polilight Flare® Plus 2 is the next generation Forensic Light Source based on end user requests; More Powerful, Longer Battery life, Smaller, Lighter, Higher Rejection of light outside the illuminating Band, More Batteries; Oh!, and don't make it more expensive!

We listened to you and:-

- The continuous output power of the beam has increased by three times (except UV and Purple).
- The Batteries last two times longer with 370 minutes for white at full power.
- The weight at 700gms (25ozs) has reduced by 20%.
- It's smaller, only 23cm (9") compared to 27.5cm (10.8").
- The light output is purer with rejection filters giving 10<sup>6</sup> rejection outside the band.
- Each unit has its own Battery, all lithium-Ion.

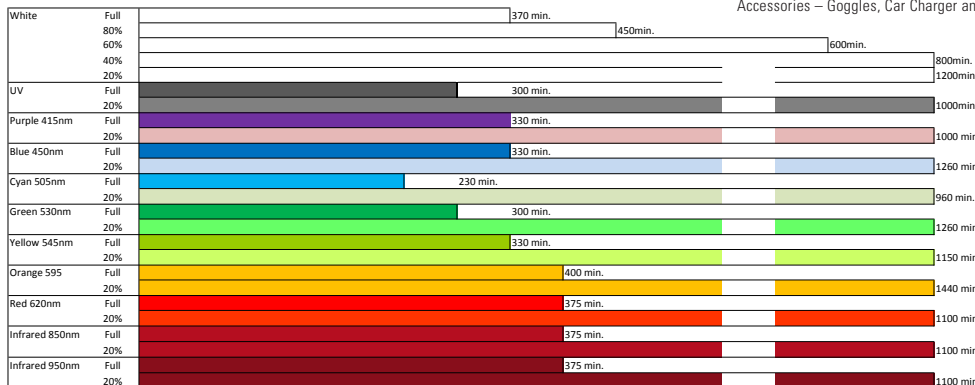
The sleek design of the Flare® Plus2 fits neatly into the hand and allows the thumb to control the multi-function Reed switch collar. The reed switch controls ON/OFF, Intensity of output in 5 steps, Strobing, Safety Locking (Aircraft mode) and SOS.

The unit is coated with a Fluoro-polymer material which makes it easy to clean.

Polilight-Flare® Plus is packed with many unique features.

Polilight-Flare® Plus, is still the MOST POWERFUL hand held integrated battery operated LED light-source available today.

It is brighter than any other hand held battery system. The white light unit gives an incredible 5500 lumens output in a smaller spot than the previous model. A range of wavelength band outputs are available to cover various applications, both at the Scene of Crime and in the Laboratory. All of the units can be used at full power continuously without reducing output power or overheating. The batteries are lithium ion so there is no worry about their charging habits !! No memory effect or defects. Batteries last for a remarkable 370 minutes at continuous white light full power output, or 1200 minutes at 20% power.



The battery shelf-life is rated at 10 years (unused). If maintained properly you can expect the battery to last a number of years with regular use. When the unit is fully charged, the self-discharge time is 1 years. The unit has its own inbuilt charger circuitry which gives it the flexibility to be charged directly from a car battery or from the mains with the adapter provided. The Polilight Flare® Plus2 fits neatly into the charger cradle ensuring the correct orientation. The extent of charge can be monitored by the LED display ring around the top of the Cradle; Red charging in progress and Blue indicates it is fully charged.

The unit is watertight and is submersible and the white light unit is submersible up to 10m (33ft).

Polilight-Flare® Plus2 outputs are as follows:- (bands to the Half peak Band Width level):

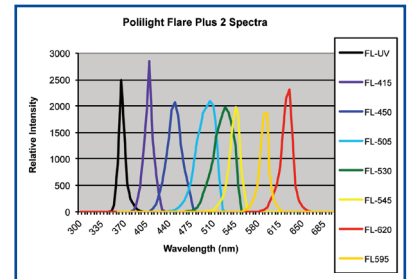
UV 365	360 - 385	Orange 595	585 - 605
Purple 415	405 - 420	Red 620	615 - 635
Blue 450	435 - 465	White -	400 - 700
Cyan 505	485 - 515	Infrared 850	835 - 865
Green 530	510 - 545	White -	935 - 965
Green/Yellow 545	530 - 560		

The LEDs used in Polilight-Flare® Plus2 are state of the art, fabricated to Rofin's specification. The UV head produces 3080mW optical light and the 415nm head is producing 6930mW. This is without comparison in a hand held LED device.

The beam is collimated with a 2-25° half angle divergence giving a superbly even light spot. In addition, a range of beam profile filters are available which can be clipped onto the front of the Flare® Plus2 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 LED light source would still be working after 25 years !



Battery Charger Cradles in the Carry case.



Accessories – Goggles, Car Charger and AC Charger



Reed Switch

Flare +2 Unit	Intensity at 250mm in Lux
White	280,000
415nm	173,000
450nm	286,000
505nm	234,000
530nm	286,000
545nm	125,000
595nm	30,000
620nm	15,500

## Specification

Weight:	700 grams (24.9 oz)
Size :	Head diameter 74 mm (2.9") Body diameter 46 mm (1.8") Overall length 234 mm (9")
Battery :	Lithium ion - capacity: 11.1 Volts, 5.2 amps Mains charger and car charger adapter
Light output :	White = 5500 Lumens CW output
Continuous operation :	100% output 370 min (depending on head type) 65% output 600 min 35% output 1200 min
Waterproof :	Submersible to 10m (33ft) Salt water resistant
Lens :	2.25 degrees
Beam profile filters :	5, 20 and 50 degrees (spot). 60 x 1 degrees (strip).
Housing :	Fluro-polymer coated Reed Switch: Multi-function operation, ON/OFF; Intensity Control; Strobing; Programming; Airline Safe Mode

