





LATEST LED TECHNOLOGY

BATTERY AND AC OPERATED

MULTICOLOUR

SMOOTH AND UNIFORM LIGHT OUTPUT

EXCELLENT SURFACE ILLUMINATION



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LIGHT SOUCE FOR FORENSIC CRIME SCENE INVESTIGATION

Finally available a multicolour light source, which provides the most intense and plane section colour compared to other light sources on the market. A wide light opening guarantees a smooth luminance distribution without hotspots. The product is slim and functional and with many features. An adjustable handle with a tripod socket makes it easy to control the light beam, for example in footprint examinations.

KEY FEATURES

- · Adjustable built-in intensity control
- · Stabilised light output
- · Shock and vibration resistant
- · Very low power consumption
- · Range of long life LED light sources
- · Range of wavelenghts including UV and white
- · Spot and oval light beam, without hotspots
- · Rechargeable batteries
- · Battery discharge protection
- Over heating protection
- Tripod socket 1/4"-20 UNC in the handle
- Splash waterproof (IP 54)
- · Portable crime scene kits

| TECHNICAL SPECIFICATIONS | | | | |
|-----------------------------------|--|---------------------|--|--|
| Weight | With battery 1.9 kg | With battery 1.9 kg | | |
| Light unit size | Length 220 mm Width 88 mm Height 50 mm | | | |
| Battery | Lithium polymer (39 Wh) Mains charger and car charger adapter supplied as standard | | | |
| Typical continuous operation time | | | | |
| | 100 % light output 120 min 70 % light output 200 min 35 % light output 400 min | | | |
| Operating temperature range | | | | |
| | -30°C+50°C | | | |
| Housing | ng Black anodised marine grade aluminium body and end parts. AISI 316 acid proof steel screws. | | | |



Photo 1: Footprint. The oval lens gives the maximum horizontal luminous efficiency. Photo 2: Bloodstained fingerprint. Crime Light CR9, 417 nm, f22, time 4 s.





Photo 3: Bloodstained fingerprint. No light.



Photo 4: Bloodstained fingerprint. Obelux CR9, 417 nm, f 22, time 15 s.

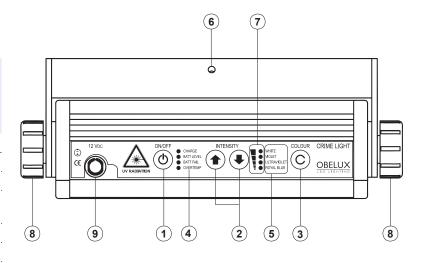
CR9-UWV-A1 UV/WHITE/VIOLET

3-THREE COLOUR

LIGHT UNIT TYPE CR9-UWV-A1

| Light colour | UV | White | Violet | | |
|---|------------|--------------|------------|--|--|
| Beam | Spot | Oval | Spot | | |
| Beam width | 12° (±6°) | 12° x 45° | 12° (±6°) | | |
| Wavelength | 385 ± 5 nm | 5500 ± 500 K | 417 ± 5 nm | | |
| Spectra half width | 10 nm | 220 nm | 15 nm | | |
| Light output | 1600 mW | 3000 lm | 1600 mW | | |
| Operating time at 100% light output using batteries | | | | | |
| | 120 min | 60 min | 120 min | | |
| Operating time at 85% light output using batteries (one step dimming) | | | | | |
| | 160 min | 120 min | 160 min | | |

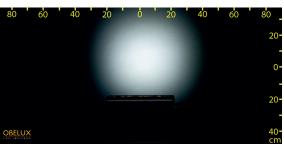
ORDER CODE: CR9-UWV-A1 OVAL LENS FOR WHITE LEDS
ORDER CODE: CR9-UWV-A2 SPOT LENS FOR WHITE LEDS



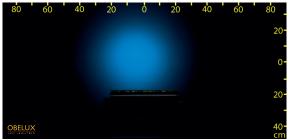
- 1 ON /OFF
- 2 INTENSITY CONTROL
- (3) COLOUR SELECTOR
- 4 STATUS LIGHTS
- **5** COLOUR INDICATOR
- 6 TRIPOD SOCKET
- 7 MULTIMODE INDICATOR
 -Battery level
 -Intensity level
 -Temperature
- (8) HANDLE POSITIONING KNOB
- (9) DC CONNECTOR 12 VDC



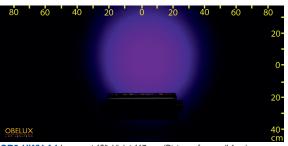
CR9-UWV-A1 Lens oval 12° x 45°, colour white. (Distance from wall 1 m.)



CR9-UWV-A2 Lens spot 12°, colour white. (Distance from wall 1 m.)



CR9-UWV-A1 Lens spot 12°, UV 395 nm. (Distance from wall 1 m.)



CR9-UWV-A1 Lens spot 12°, Violet 417 nm. (Distance from wall 1 m.)

CR9-BCG-A1 ROYAL BLUE/CYAN/GREEN

3-THREE COLOUR

LIGHT UNIT TYPE CR9-BCG-A1

| Light colour | Royal Blue | Cyan | Green |
|--------------------|-------------|-------------|-------------|
| Beam | Spot | Spot | Spot |
| Beam width | 12° (±6°) | 12° (±6°) | 12° (±6°) |
| Wavelength | 450 ± 10 nm | 500 ± 10 nm | 530 ± 10 nm |
| Spectra half width | 24 nm | 30 nm | 30 nm |
| Light output | 6800 mW | 640 lm | 800 lm |
| | | • | |

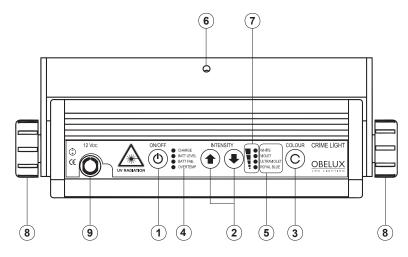
Operating time at 100% light output using batteries

120 min 120 min 120 min

Operating time at 85% light output using batteries (one step dimming)

160 min 160 min 160 min

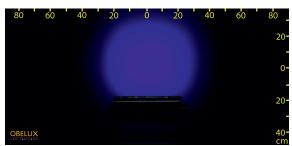
ORDER CODE: CR9-BCG-A1



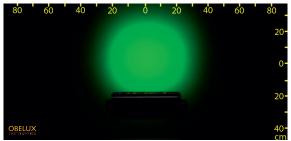
- 1 ON /OFF
- 2 INTENSITY CONTROL
- (3) COLOUR SELECTOR
- (4) STATUS LIGHTS
- **5** COLOUR INDICATOR
- (6) TRIPOD SOCKET
- 7 MULTIMODE INDICATOR
 -Battery level
 -Intensity level
 -Temperature
- (8) HANDLE POSITIONING KNOB
- 9 DC CONNECTOR 12 VDC



CR9-BCG-A1 Lens spot 12°, Cyan 500 nm. (Distance from wall 1 m.)



CR9-BCG-A1 Lens spot 12°, Blue 450 nm. (Distance from wall 1 m.)



CR9-BCG-A1 Lens spot 12°, Green 530 nm. (Distance from wall 1 m.)

CR9-W-A1 WHITE

WHITE LIGHT UNIT TYPE

CR9-W-A1 Light colour White Beam Oval Beam width 12° x 45° Wavelength 6000 ± 500 K

| _ | |
|--------------------|---------|
| Spectra half width | 220 nm |
| Light output | 5000 lm |

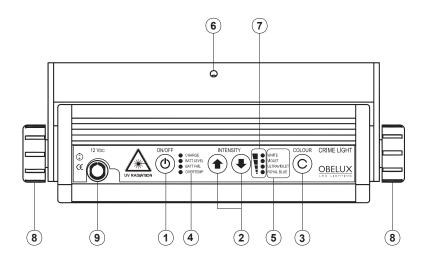
Operating time at 100% light output using batteries

45 min

Operating time at 85% light output using batteries (one step dimming)

90 min

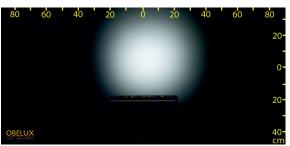
ORDER CODE: CR9-W-A1, OVAL LENSES ORDER CODE: CR9-W-A2, SPOT LENSES



- 1 ON /OFF
- 2 INTENSITY CONTROL
- (3) COLOUR SELECTOR
- 4 STATUS LIGHTS
- (5) COLOUR INDICATOR
- 6 TRIPOD SOCKET
- 7 MULTIMODE INDICATOR
 -Battery level
 -Intensity level
 -Temperature
- (8) HANDLE POSITIONING KNOB
- (9) DC CONNECTOR 12 VDC



CR9-W-A1 Lens oval 12° x 45°, colour white. (Distance from wall 1 m.)



CR9-W-A2 Lens spot 12°, colour white. (Distance from wall 1 m.)

CR9-B-A2 ROYAL BLUE

BLUE LIGHT UNIT TYPE

CR9-B-A2

| Light colour | Royal Blue |
|--------------------|-------------|
| Beam | Spot |
| Beam width | 12° (±6°) |
| Wavelength | 455 ± 10 nm |
| Spectra half width | 24 nm |
| Light output | 15000 mW |

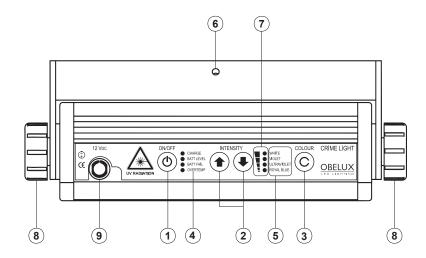
Operating time at 100% light output using batteries

45 min

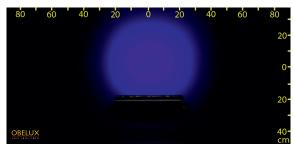
Operating time at 85% light output using batteries (one step dimming)

90 min

ORDER CODE: CR9-B-A2



- 1 ON /OFF
- 2 INTENSITY CONTROL
- (3) COLOUR SELECTOR
- 4 STATUS LIGHTS
- (5) COLOUR INDICATOR
- 6 TRIPOD SOCKET
- 7 MULTIMODE INDICATOR
 -Battery level
 -Intensity level
 -Temperature
- (8) HANDLE POSITIONING KNOB
- (9) DC CONNECTOR 12 VDC



CR9-B-A2 Lens spot 12°, Blue 450 nm. (Distance from wall 1 m.)



AC ADAPTER

| AC ADAPTER AC-DC70-A1 | | | | |
|--------------------------|----------------------------|--|--|--|
| Voltage | 90264 Vac | | | |
| Frequency | 5060 Hz | | | |
| Inrush Current | 60 A max. @240 Vac | | | |
| Conducted EMI | CISPR/FCC Class B | | | |
| Isolation | Input to output = 4242 VDC | | | |
| Leakage Current | 3.5 mA max. | | | |
| Holdup Time | 8 ms typ. @115 Vac | | | |
| Short Circuit Protection | Continuous | | | |
| Over Voltage Protection | Yes | | | |
| Operating Temperature | 040°C | | | |
| Storage Temperature | -20+85°C | | | |
| Dimensions | 132 x 58 x 30.5 mm | | | |
| Weight | 345 g | | | |
| AC inlet | IEC 320/ C14 | | | |
| DC cable length | Extra long 3 m | | | |
| ORDER CODE: AC-DC70-A1 | | | | |

- The universal AC Adapter for simultaneous battery charging and operation of the light unit
- Typical charging time 2.5 h.



AC-DC70-A1 AC Adapter and standard cord



AC plug available also with other country standards

FILTER GOGGLES AND CAMERA SHEETS

| FILTER GOGGLES | | | | | | | |
|---|-------------|---|---|---|---|---|---|
| ORDER CODE UV Violet Royal Blue Cyan Green Red | | | | | | | |
| o Clear | FGC-33-10 | | | | | | |
| Yellow | FGY-33-5032 | • | • | *************************************** | • | • | • |
| Orange | FGO-33-60 | • | • | • | • | • | • |
| • Red FGR-33-90 • • • • | | | | | • | | |
| Available for both coherent and non-coherent UV, Blue, Green, Yellow and Red light sources. Universal fit for those with and without Rx glasses. | | | | | | | |

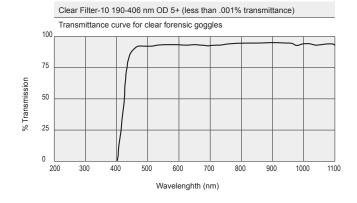
KEY FEATURES

- Each pair of filter goggles and camera sheets has the same transmittance curve
- · Redesigned for better temple and cheek coverage
- · Reinforced material for higher durability
- · Universal fit for users with or without Rx glasses

Clear filter goggles

ORDER CODE: FGC-33-10





Yellow filter goggles

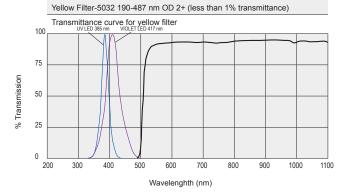
ORDER CODE: FGY-33-5032



Yellow filter sheet

ORDER CODE: FSY-P4-5032





Orange filter goggles

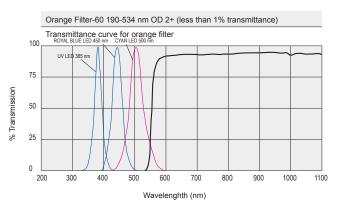
ORDER CODE: FGO-33-60



Orange filter sheet

ORDER CODE: FSO-P4-60





FILTER GOGGLES Available also in style 700.











CAMERA FILTER SYSTEM

FILTER SYSTEM

Consists of 3 three main components:

- 1. Adaptor Ring
- 2. Filter Holder
- 3. One or more filters

| CAMERA OUTER LENS DIAMETER (mm) | ADAPTOR RING ORDER CODE |
|------------------------------------|----------------------------|
| 48 Ø | P4-48 |
| 49 Ø | P4-49 |
| 52 Ø | P4-52 |
| 55 Ø | P4-55 |
| 58 Ø | P4-58 |
| 62 Ø | P4-62 |
| 67 Ø | P4-67 |
| 72 Ø | P4-72 |
| 77 Ø | P4-77 |
| 82 Ø | P4-82 |

FILTER SYSTEM RINGS



Screw the adaptor ring onto your lens. **ADAPTOR RING ORDER CODE: AR-P4-XX**, where XX is outer lens diameter of the camera.



Slide the filter-holder on the adaptor ring until it snaps in place. The filter-holder is now attached to the lens, but can yet rotate both left and right. **FILTER-HOLDER ORDER CODE: FH-P4-01**





Slide the filter sheet into the central filter-holder slot.

FILTER SHEET ORDER CODES:
YELLOW: FSY-P4-5032 / ORANGE: FSO-P4-60 / RED: FSR-P4-90

ORDERING

STANDARD KIT 1. KIT-UWV-A1 INCLUDES

| ITEM | CODE | DESCRIPTION |
|--------------------------|-------------|----------------------------|
| Crime Light CR9 LED Lamp | CR9-UWV-A1 | UV/WHITE/VIOLET |
| AC Adapter 230 V | AC-DC70-A1 | 70 W 12 DC |
| Car Adapter | AD-CAR-A1 | Cable length 1.5 m |
| Carrying Case | CC-1U-A1 | IP 67 |
| Yellow goggles | FGY-33-5032 | Goggle protection bag also |
| Clear goggles | FGC-33-10 | suitable for lens cleaning |
| Obelux Lens Cloth | | Ideal for lamp cleaning |

ORDER CODE: KIT-UVWV-A1



STANDARD KIT 2. KIT-BCG-A1 INCLUDES

| ITEM | CODE | DESCRIPTION |
|---|--|---|
| Crime Light CR9 LED Lamp AC Adapter 230 V Car Adapter Carrying Case Orange goggles Yellow goggles Clear goggles Obelux Lens Cloth | CR9-BCG-A1 AC-DC70-A1 AD-CAR-A1 CC-1U-A1 FGO-33-60 FGY-33-5032 FGC-33-10 | ROYAL BLUE/CYAN/GREEN 70 W 12 DC Gable length 1.5 m IP 67 Goggle protection bag also suitable for lens cleaning Ideal for lamp cleaning |

ORDER CODE: KIT-BCG-A1



| ORDER CODES | | | | | |
|---|---|---|--|--|--|
| ITEM | ORDER CODE | DESCRIPTION | | | |
| Light unit 3-colour Light unit 3-colour Light unit white oval Light unit white spot Light unit royal blue spot | CR9-UWV-A1 CR9-BCG-A1 CR9-W-A1 CR9-W-A2 CR9-B-A2 | UV/WHITE/VIOLET ROYAL BLUE/CYAN/GREEN WHITE Oval lens WHITE Spot lens ROYAL BLUE Spot lens | | | |
| Camera filter sheet yellow Camera filter sheet orange Camera filter sheet red Camera filter adaptor ring Camera filter holder Car DC adapter AC Adapter Spare battery Clear goggles Yellow goggles Orange goggles Red goggles | FSY-P4-5032 FSO-P4-60 FSR-P4-90 AR-P4-XX FH-P4-01 AD-CAR-A1 AC-DC70-A1 LPB-07V4-39 FGC-33-10 FGY-33-5032 FGO-33-60 FGR-33-90 | Various sizes (page 10.) Cable length 1.5 m AC Adapter and standard cord Lithium polymer 39 Wh Goggle protection bag also suitable for lens cleaning | | | |
| Carrying case for 1-light unit Carrying case for 2-light unit | CC-1U-A1 CC-2U-A1 | PELI case 1450, IP 67 PELI case 1550, IP 67 | | | |



FEEL FREE TO ASK FOR LIGHT UNITS WITH CUSTOM COLOURS

AVAILABLE LED COLOURS

| COLOUR | WAVELENGTHS |
|----------------|--------------------------|
| Uv | 365 / 385 nm |
| Violet | 405 / 410 / 415 / 438 nm |
| Royal Blue | 450 nm |
| Blue | 470 nm |
| Cyan | 500 nm |
| Green | 530 nm |
| Yellow (amber) | 590 nm |
| Red orange | 615 nm |
| Red | 630 nm |
| White | 2700 / 3500 / 5500 K |
| Infrared | 850 / 940 nm |
| LENS | |

All colours also available with ±3° ±6° ±25° and Oval ±6° x ±22,5° lens.

Maximum four different colours for one light unit.



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