

PHOTON + PHOTON2

The perfect LED - light system: flashlight

2 years warranty
time for LiMn-batteries

The PHOTON constitutes the corner stone of our successful LED light system. As a compact flashlight it generates the light intensity of larger, conventional flashlights.

The strongest compact LED (Osram Ostar) in the world emits, in combination with a special reflector, a clean, focused light beam with approximately 10° directional characteristic with daylight colour temperature.

The built-in lamp electronics monitors and protects the LED against excess temperature. After the normal burn time an emergency light is still available for an extended period of time, however without damaging the rechargeable battery because of deep discharge.



Technical data:

(Values in brackets = PHOTON2)

- Osram Ostar 1000 Lumen LED with a practically unlimited service life
- 12,6V-1,6 (3,2) Ah LiMn-battery
- Burn time at max. power: approx. 60 (120) min
- Additional emergency light for approx. 30 min
- total discharge protection
- 2-step dimming: 50% + 100%
- Light colour: 6000 °K
- Extremely natural colour emission
- Length: 185 (258)mm
- Grip diameter: 45mm
- Maximum diameter: 53mm
- Weight: 560 (740)g
- Drift: 250 (260)g
- Quick charger(110-230V) approx. 2 (4) hours
- Housing: aluminium, black anodized
- Pressure resistant: 200m immersion depth
- Switch-on protection (removable switch ring)
- 2-year guarantee on the rechargeable battery

The stronger rechargeable battery with double capacity in the PHOTON2 requires a slightly longer housing compared to the PHOTON.

True one-hand operation by means of a switch ring with 2-stage dimming. Activation takes place with the thumb.

An adapter cable (optional) turns every PHOTON/PHOTON2 into an ultra-compact canister system.

The lamp head of the PHOTON is one of the two possible LED heads of the canister system described overleaf. There one sees a unique and perfectly matching light system. Trend-setting yet logically designed.



PHOTON, a fist full of light

LED-CAVE / TWINLED

The perfect LED - light system: canister system

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The LED-CAVE or TWINLED-CAVE canister systems are both supplied by the same rechargeable battery canister.

The rechargeable battery canister comes standard with a belt bracket, but it can also be attached to the dive cylinder with a snap-on clip (optional).

When a PHOTON/PHOTON2 is available, the LED head is unscrewed from the rechargeable battery grip of the penlight and screwed onto the connection adapter of the canister. That way the penlight becomes a compact canister system with burn time of up to 12 hours.

By using the TWINLED-head the flexibility of this robust light system is enhanced by the introduction of „intelligent focusing“.

With „intelligent focusing“ is meant the automatic increase of light output when changing to a wider radiation angle of the light source.

With that the decreasing brightness is evened out by means of enlarging the radiated cone of light. With this procedure you also get a clean cone of light without the „donut effect“ when switching to the medium reflector.



LED - CAVE



TWINLED - CAVE

- Stage 1: LED1 (spot) with 50% output
- Stage 2: LED1 (spot) with 100% output
- Stage 3: LED1 (spot) and LED2 (medium) each with 100% output

The attainable brightness of approx. 2000 lumen equals the use of 2 halogen lamps with 50W each. Naturally a model with 2 spot reflectors instead of spot reflector with medium reflector is also possible.

Technical data (LED-CAVE):

- 1 x Osram Ostar 1000 lumen LED with a practically unlimited service life
- 12,6V-9,6 Ah LiMn-batteries
- 2 - step dimming: 50% + 100%
- Burning time: 12 hrs. + 6 hrs.
- Additional emergency light for approx. 30 min
- Total discharge protection
- 2 years warranty time for the LiMn-batteries
- Canister dimensions: length=235mm; ø=66mm
- Total weight: 1,64 kg

Technical data (TWINLED-CAVE):

- 2 x Osram Ostar 1000 lumen LED with a practically unlimited service life
- 12,6V-9,6 Ah LiMn-batteries
- 3-step dimming 50% + 100% + 2x100% (with intelligent focusing)
- Burning time: 12 Std. + 6 Std. + 3 Std.
- Additional emergency light for approx. 30 min
- Total discharge protection
- 2 years warranty time for the LiMn-batteries
- Canister dimensions: length=235mm; ø=66mm
- Total weight: 2,0 kg

Combination options:

