



DELTA+

OPERATING INSTRUCTIONS USER MANUAL

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PRODUCT DESCRIPTION

The XPLight product series has been specially developed for indoor and outdoor use in the military, medical and police services, special units and civil defense.

GENERAL INFORMATION

In your own interests, observe the safety instructions and warnings.

Keep these operating instructions in a safe place.

For the sake of the environment, please dispose of the packaging material at an appropriate disposal point.

Defective lights or defective accessories must be disposed of properly at the appropriate places (Section 16 ElektroG).

Only use **XPLight®** original spare parts and accessories.

SAFETY INSTRUCTIONS

Caution! Mains voltage! Danger to life!

ATTENTION: The light can reach high temperatures!

The front and back must be able to dissipate the operating heat generated over the entire surface by convection and must therefore not be fixed flush against the surface underneath. The fixing options provided maintain the necessary distance from the surface for full convection. Operating the light flat on the floor with the light emission side facing upwards does not guarantee sufficient convection and could lead to overheating.

Do not insert nails, pins or similar objects into the light, but use the rings provided. The light may not be operated if it is visibly damaged.

If the defective part can be identified, it must be replaced. Alternatively, please contact CARPETLIGHT GmbH or an authorized service partner.

Please note that glare from light heads can lead to an immediate reduction in vision and thus cause accidents (e.g. when going downstairs or in road traffic).

The light has an infrared (IR) mode:

When the device is operated in IR mode, the red function LED comes on on the display (7). This indicates that the infrared LEDs are illuminated; you should also take this as a warning

and never look directly into the light. Even if you cannot see the infrared light, the brightness in this mode can damage your eyes.

Observe the degree of protection of the respective XPLight system in combination with the ambient factors (dust, moisture, rain). The product is not equipped for use in corrosive environments, e.g. salt water, without additional protective covers.

EYE PROTECTION: The light does not emit any blue light. However, do not look directly into the light at its highest brightness level to avoid afterimages.

POWER SUPPLY

There are 2 USB-C ports on the housing to supply the XPLight Delta with power.

Only power banks and power supply units with USB-C and power delivery (USB-PD) have the features required to operate this light properly and as intended. If power banks and power supply units are used that do not have the specified features, no guarantee can be given for the proper functioning of the light.

The output of the USB power supply unit or the power bank determines the maximum luminosity of the light. This power is determined and displayed by the LEDs on the right **8** (FULL / LIMITED / LOW).

The maximum luminosity may be reduced in line with the available power.

| Power of USB device | Display ⑧ | Luminosity |
|----------------------------|------------------|--------------------|
| ≥45W | FULL | full luminosity |
| >15W <45W | LIMITED | limited luminosity |
| ≤15W | LOW | low luminosity |

If two different power sources are connected to the two USB ports, the light always selects the more powerful one automatically.

For proper operation, the connected USB-C cable should not exceed a length of 3 m.

For mains-powered XPLight models, the power supply and its protective devices must be checked for faults before the light is used.

STARTING BRIGHTNESS

As a rule, the light always starts automatically in the last dimming and color mode set. If the light is to start in dark mode, press and hold the "ON" button while connecting to a power supply.

EMERGENCY POWER SUPPLY

A USB-PD power supply unit and a USB-PD power bank must be connected to the two USB ports in order to be able to make full use of the uninterruptible lighting function in the event of a power failure.

The light automatically switches to the power supply from the power bank in the event of a power failure of a connected power supply unit.

When the power supply to the mains unit is restored, the device switches back to the supply from the mains unit.

If a weak power bank is used, the light intensity may change. When the mains voltage is restored, the light returns to the brightness level set before the power failure.

ATTENTION: In accordance with legal requirements (e.g. DIN EN 60335-1 or Ecodesign Directive 2009/125/EC), most power banks switch off automatically after a predetermined time if no power is drawn. For detailed information, please check the exact specifications of the device in question. In this case, the power bank must be reactivated by switching it on again in the event of a power failure.

TECHNICAL SPECIFICATIONS

| | |
|-----------------------|------------------------------------------------------------------|
| Overall pack size | 24 x 15 x 10 cm |
| Overall weight | 1,900 g |
| Controller dimensions | 20 x 7 x 3 cm |
| Controller weight | 650 g |
| Light head dimensions | 62 x 18 x 0.5 cm |
| Light head weight | 300 g |
| Power supply | USB-C PD |
| Output | max. 65 watts |
| Input voltage | between 5V and 20V depending on the USB-C PD specification |
| Color rendering white | 90 CRI |
| Red wavelength | 620 nm |
| Infrared wavelength | 940 nm |
| Protection class | IP 67 |



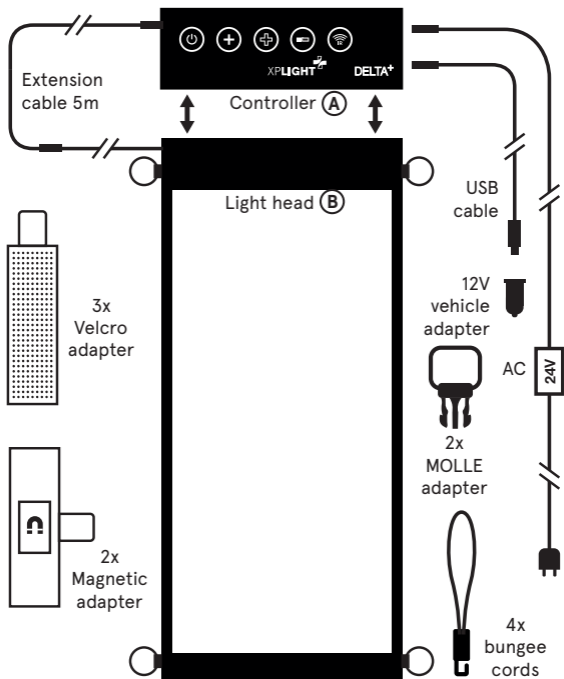
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Recycling

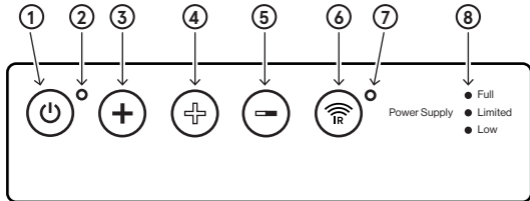
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Made in Germany by Carpetlight GmbH

COMPONENTS AND STRUCTURE



CONTROLS



① Power ON/OFF

② Green status LED

③ Red light mode

④ White light mode

⑤ Dimming

⑥ IR mode

⑦ Red status LED IR operation

⑧ Power supply output

⑨ Keder rail

⑩ Keder strip

⑪ Locking pin

⑫ USB-C connection

⑬ Cable connection

ADJUSTING THE LIGHT

Use the on/off button ① to switch the light on or off.

The light starts in standby mode and the green status LED ② comes on.

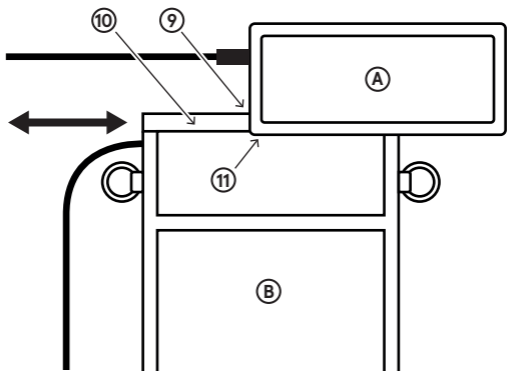
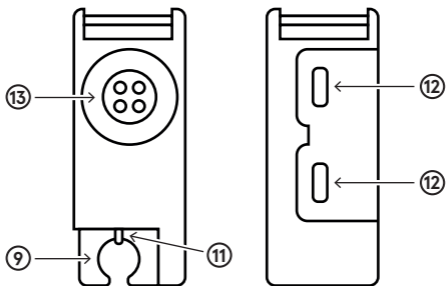
Press the red + button ③ to switch the light to red light mode. The same button is also used to increase the brightness in steps.

Press the white + button ④ to switch the light to white light mode. The same button is also used to increase the brightness in steps.

Press the IR button ⑥ to switch the light to IR mode. The same button is also used to increase the brightness in steps.

In IR mode, the red status LED ⑦ comes on.

To reduce the brightness, use the - button ⑤ for all light colors.



The light consists of two elements, the controller (A) and the light head (B).

The light head can be attached directly to the controller with a keder rail (10) or operated separately if required. Extension cables can also be used between the light head and controller for separate operation. This is particularly useful if the light is to be mounted on the ceiling or in a location that is not directly accessible.

To disconnect the light head from the controller, the locking pin (11) must be pressed in and the light head pulled out of the keder rail (9). To connect the two components, the locking pin (11) must be pressed into the keder rail (9) before the light head is inserted.

ACCESSORIES

Using the adapters to fix the light in position

The XPLight Delta can be attached to various surfaces using adapters.

The controller is provided with a fleece surface on the back of the housing in the factory. Adapters for Velcro and the magnetic adapter can be attached here.

The MOLLE adapter and other fittings can be attached to the two stainless steel pins on the corners of the housing.

The light head has fleece surfaces on the back and eyelet rings in the corners to attach the bungee cords or other fixing options to the light.

Please ensure that the controller and the light head are as firmly in place as possible by using the various fitting options.

CARE INSTRUCTIONS

The textile part of the light and the storage bag are largely equipped with infrared armor for camouflage (IRR). To maintain this, it is advisable to avoid using detergents and cleaning agents and to clean the material with a microfiber cloth and cold or lukewarm water at most. Slight soiling of the lights can also be removed with a damp microfiber cloth.

Keep the contact elements of the electrical plug connections clean.

We recommend regular visual inspections.

WARRANTY EXCLUSION

CARPETLIGHT GmbH is not liable for any damage caused by improper use of its products. The General Terms and Conditions of CARPETLIGHT GmbH apply. The warranty is void if the housing is opened.