



# USER MANUAL

Firmware-Version 4.0

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## CONTENTS

Chapter	Page
<b>GENERAL NOTES</b>	3
<b>PRODUCT DESCRIPTION</b>	3
<b>CARE INSTRUCTIONS</b>	4
<b>SAFETY INSTRUCTIONS</b>	4
<b>BATTERY</b>	6
<b>WARRANTY EXCLUSION</b>	7
<b>TECHNICAL SPECIFICATIONS</b>	8
<b>OPERATION</b>	9
ADJUSTING THE LUMINAIRE	10
CHARGE STATES AND CHARGE MONITORING	12
SPECIAL NOTES ON FUNCTION/TROUBLESHOOTING	13
CHANGING THE BATTERY	14
<b>ACCESSOIRES</b>	15
<b>USING THE ADAPTER TO FASTEN THE LUMINAIRE</b>	15

## GENERAL NOTES

In your own interest, please observe the safety instructions and warnings.

Keep this user manual in a safe place.

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

Defective luminaires or defective accessories must be disposed of properly via the appropriate centres (Section 16 ElektroG (German Electrical and Electronic Equipment Act)).

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

## PRODUCT DESCRIPTION

The XPLight product series was specially developed for indoor and outdoor use in the military, ambulance and police services, special units and civil defence.

The luminaire head consists of an aluminium housing and textile components, allowing it to be rolled or folded in a variety of ways. The luminaire is extremely lightweight and offers a wide range of options for attachment to uniforms, rucksacks, vehicles or even walls.

## CARE INSTRUCTIONS

Light soiling of the luminaire can be removed with a damp microfibre cloth.

Keep the contact elements of the electrical plug connections clean.

We recommend regular visual inspections.

## SAFETY INSTRUCTIONS

**Caution! Mains voltage! Danger to life!**

**ATTENTION:** The luminaire head can reach high temperatures!

The luminaire head can reach high temperatures!

During operation, the luminaire must not be rolled up, covered or exposed to pressure or voltage. The front and rear sides must be able to dissipate the heat generated by convection.

Do not insert nails, pins or similar objects into the luminaire, but use the existing rings.

The luminaire must 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 authorised service partner.

For mains-powered XPLight models, the faultlessness of the power supply and its protective devices must be checked before the luminaire is used.

Please note that glare from lighting fixtures can lead to an immediate reduction in visual function and therefore to accidents (e.g., when descending stairs or in road traffic).

The luminaire has an infrared (IR) mode:

When the device is operated in IR mode, the red function LED ⑦ lights up on the display. This display indicates that the infrared LEDs are illuminated; you should also take this indication as a warning and never look directly into the luminaire. Even if you cannot see the infrared light with your eyes, the brightness in this mode can damage your eyes.

Observe the degree of protection of the respective XPLight lighting system in connection with the ambient influences (dust, moisture, rain).

The product is not equipped for use in corrosive environments, e.g., salt water, without additional protective covers.

**EYE PROTECTION:** The luminaire does not emit any blue light. However, do not look directly into the light of the luminaire at the maximum brightness level in order to avoid afterimages.

## BATTERY

The product is powered by exchangeable batteries. Nevertheless, please observe the following safety instructions:

**WARNING:** Risk and danger of explosion and burns!

Do not place the battery near open flame.

Do not short-circuit the battery.

If the battery leaks, protect your eyes. Cover the battery housing with a cloth before opening it to avoid contact with escaping battery acid. In the event of contact with battery acid, rinse the affected area with clean fresh water and seek medical attention immediately.

For rechargeable batteries, never use chargers that are not suitable for the battery type.

Do not damage the battery mechanically (pierce, deform, dismantle, etc.)

Do not heat or burn it above the permissible temperature.

Keep batteries away from small children. Always store batteries in a dry and cool place.

## **WARRANTY EXCLUSION**

CARPETLIGHT GmbH is not liable for any damage caused by improper use of its products. The general terms and conditions of business of CARPETLIGHT GmbH apply.

The warranty is void if the housing is opened or if moisture penetrates the battery compartment during a battery change.

## TECHNICAL SPECIFICATIONS

Dimensions	Approx. 38 x 10 cm
Power supply	Integrated battery
Output	7 W
Input voltage	5 V USB-C
Illuminance	min. 200 lx/m
Colour rendering	90 CRI
Red wavelength	620 nm
Infrared wavelength	940 nm
Weight	320 g
Protection class	IP 67
Battery	Model 18650 3.6 V/3500 mAh, unprotected, max. 10 A discharge current without solder tag



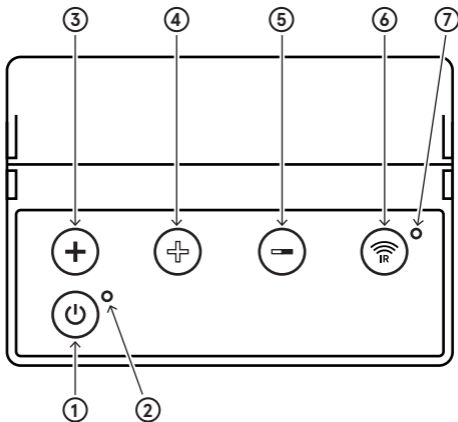
Patented

Recycling

WEEE registration number DE59055631

Made in Germany by Carpetlight GmbH

## OPERATION



① Power ON/OFF

⑥ IR mode

② Green status LED

⑦ Red status LED, IR mode

③ Red light mode

④ White light mode

⑤ Dimming

## ADJUSTING THE LUMINAIRE

Use the On/Off button ① to activate or deactivate the luminaire.

The luminaire starts in standby mode and the green status LEDs ② and ⑨ light up.

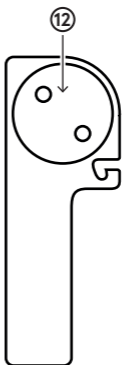
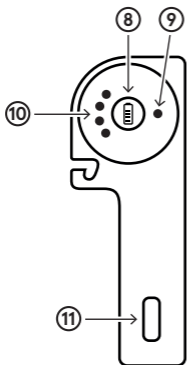
Pressing the red + button ③ switches the luminaire to red light mode. The same button is also used to gradually increase the brightness.

Pressing the white + button ④ switches the luminaire to white light mode. The same button is also used to gradually increase the brightness.

Pressing the IR button ⑥ switches the luminaire to IR mode. The same button is also used to gradually increase the brightness.

In IR mode, the red status LED ⑦ lights up.

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



⑧ Battery status

⑨ Green status LED

⑩ Blue status LEDs

⑪ USB-C connection

⑫ Battery cover

## CHARGE STATES AND CHARGE MONITORING

There are 4 blue status LEDs (10) on the side of the luminaire, which provide information on the status of the charge level and the external power supply.

Use the button (8) to check the status of the battery. If the button is pressed, the blue status LEDs (10) light up.



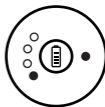
4 LEDs =  
75-100%



3 LEDs =  
50-75%



2 LEDs =  
25-50%



1 LED =  
0-25%

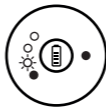
Flashing LEDs indicate a charging process. Fast flashing = fast charging, slow flashing = slow charging.



75-100%



50-75%



25-50%



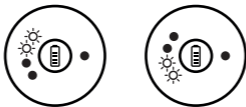
0-25%

Use the USB-C port (11) to charge the battery using a USB-C charging adapter. You can also use this port for a power bank.

## SPECIAL NOTES ON FUNCTION/TROUBLESHOOTING

The product is compatible with USB power adapters and power banks that support USB3 or USB-C.

Other USB devices restrict the functions and do not fulfill the requirements for our product.



Alternating flashing in pairs =  
The USB standard is not fulfilled

To protect the battery, the luminaire switches off completely if no light is switched on in standby mode for 5 minutes.

The functions of the luminaire are restricted when using power banks, USB power supply units or USB sockets that do not support USB3. The charging current of old standards is not sufficient to operate the luminaire.

Low battery warning: Before the luminaire is fully discharged, there is a rapid double flash in the light in the mode in use. This is intentional and is not an error, but a warning that the battery needs to be charged.

If you do not provide an external power supply, the luminaire will switch off within a few minutes.

If the light cannot be switched on using the On/Off button, press and hold it for at least **one** second to switch it on.

## CHANGING THE BATTERY

The high-quality lithium ion battery is optimized for the operation of these products; please ensure compatibility when changing the battery.

Please ensure that no moisture gets into the battery compartment when opening the battery cover **12**.

If moisture gets into the device via this battery slot, the warranty will be invalidated.

## ACCESSOIRES

### USING THE ADAPTER TO FASTEN THE LUMINAIRE

The XPApha 2+ can be attached to different surfaces using adapters.

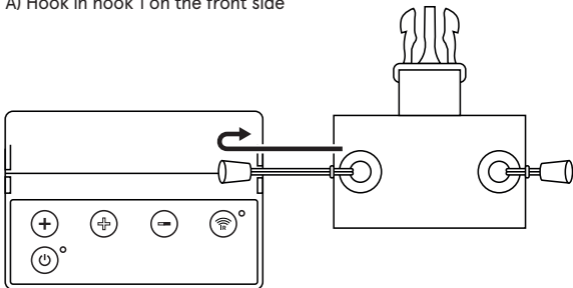
Adapter 1: Hook-and-loop fastener

Adapter 2: Magnet

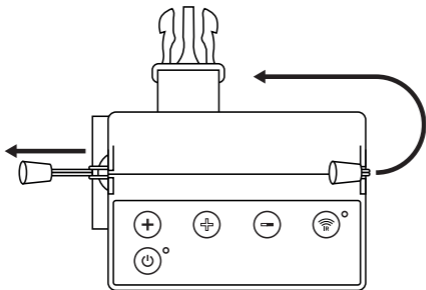
Adapter 3 : MOLLE

There are two M3 threads on the underside of the housing, which offer the option of attaching your own adapters.

A) Hook in hook 1 on the front side



B) Fold the adapter over the back.



C) Hook in hook 2 on the front side

