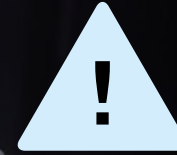




Wearable Active Lighting

SUNFIBRE[®]

Saving Lives — SUNFIBRE®



Wearable Active Lighting that makes a difference.

Millions of emergency, security, and police personnel, workers, athletes, children, and others are at risk in low-light conditions, relying on passive retro-reflective technology that is more than 60 years old. SUNFIBRE® brings a whole new level of protection with its active lighting system.

We are setting the future standard for safety. Become part of the new standard.

Contact

sunfibre@scilif.com

www.sunfibre.com

Key Characteristics



Up to 3 km visibility
in all directions



High washability



Operation time
up to 60 hours



Easy haptic control
with control button

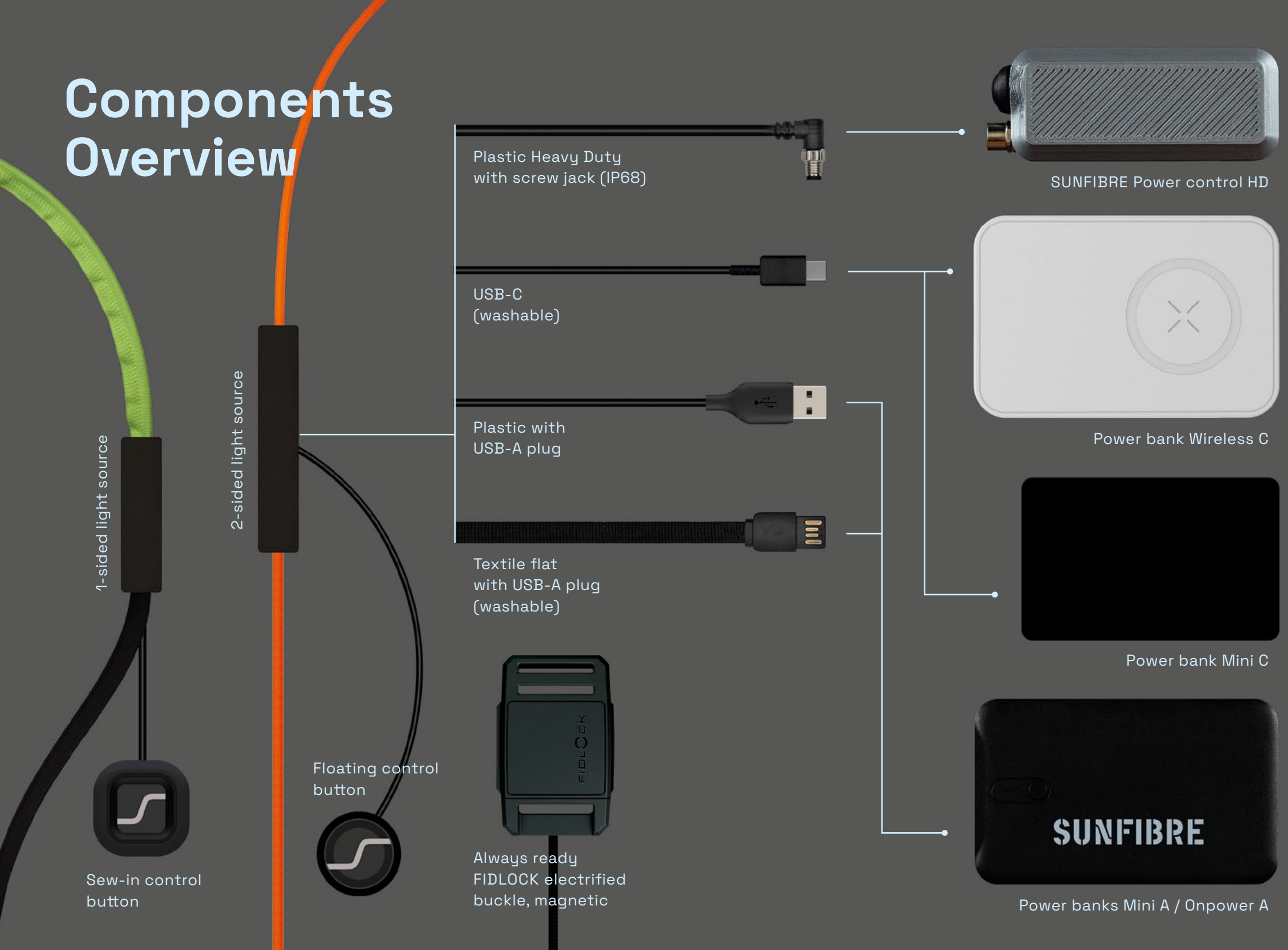


Variable modes
of operation



Patented technology

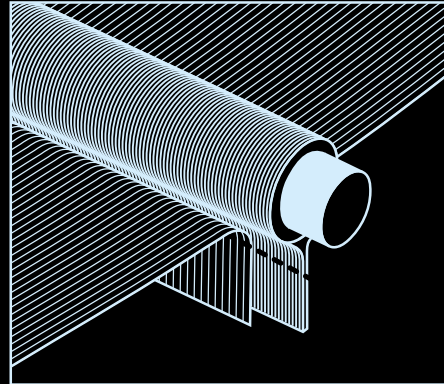
Components Overview



Attachement Methods

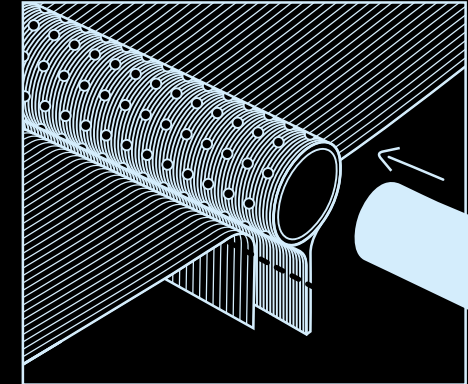
Piping

This is the easiest, most secure and our recommended way to fasten SUNFIBRE® to your product. The optical fibre is protected within a textile piping sheath that is easily sewn into any seam.



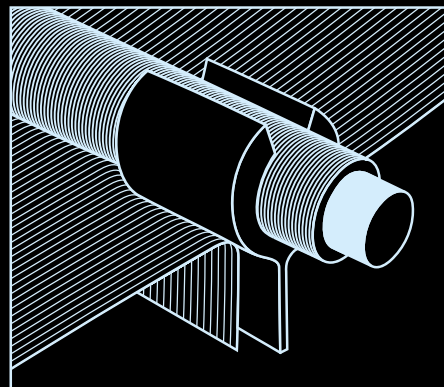
Perforated reflective tape

This solution maintains light reflection even when the SUNFIBRE® system is switched off. Available as a tape or as a piping. A special tape that is certified for projects with a **flame retardant** requirement is also available.



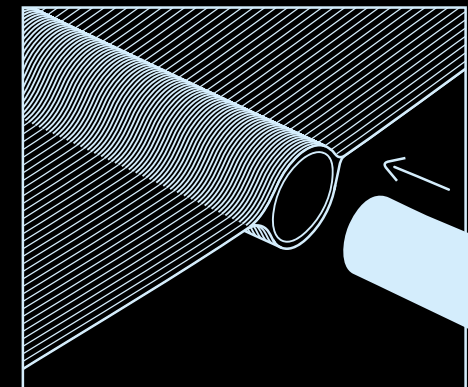
Tubing

This method allows the user to detach the SUNFIBRE® system from rubber clips sewn into the seam of the textile product while retaining the full benefits of having the optic fibre protected by an external textile sheath.




Naked

Here we supply only the naked optic fibre and your manufacturing inserts this into a prepared "tunnel" in the final product, typically made of perforated netting or translucent material.



Technical Specifications

Power Sources					
Product name	Power Control Heavy Duty	Power Bank Mini A	Power Bank Onpower A	Power Bank Wireless C	Power Bank Mini C
Battery type/capacity	Li-Ion 3500 mAh	Li-Pol 2500 mAh	Li-Pol 4000 mAh	Li-Pol 5000 mAh	Li-Pol 3000 mAh
Working time	50 hours (1-sided) 25 hours (2-sided)	30 hours (1-sided) 15 hours (2-sided)	45 hours (1-sided) 22 hours (2-sided)	50 hours (1-sided) 25 hours (2-sided)	30 hours (1-sided) 15 hours (2-sided)
Standard colours	- Silver - Blue - Military Green	- Black - White	- Black - White	- Black - White	- Black - White
Special sensors	Motion detection Water immersion	Not applicable	Not applicable	Not applicable	Not applicable
Indicators	- Battery level - Charging	- Battery level - Charging - On/Off	- Battery Level - Charging - On/Off	- Battery Level - Charging - On/Off	- Battery Level - Charging - On/Off
Dimensions	90 x 37 x 20 mm	102 x 62 x 10 mm	96 x 66 x 13 mm	103 x 68 x 15 mm	86 x 54 x 7 mm
Weight	110 g	69 g +/- 10 g	80 g +/- 10 g	123 g +/- 10 g	66 g +/- 10 g
Fast charging	No	Yes	Yes	Yes	Yes
Voltage	5 V	5 V	5 V	5 V	5 V
Charging connector type	IP68 Screw-in	USB B	USB B	USB C	USB C
Certificates	UKCA, CE, RoHS, IP68	CE, UKCA, REACH, RoHS, WEEE	CE, UKCA, REACH, RoHS, WEEE	CE, UKCA, REACH, RoHS, WEEE	CE, UKCA, REACH, RoHS, WEEE

Technical Specifications

Accessories



Product name	Floating Button	Sew-in Button	Heavy Duty Charging Cable	Rubber Clip
Description	Our Floating Button for loose integration into pocket or it can be hidden in the fabric.	Control Button for integration into fabric surface.	Special screw-in jack charging cable compatible with Power Control Heavy Duty.	Rubber sew-in clips to allow complete detachment of SUNFIBRE® system from backpack or garment.
Standard colour	Black	Black	Black	Black (customized MOQ 3 000 pcs.)
Material	Injection molded	Silicon	Plastic/Metal	TPU
Dimensions	28 x 4,5 mm	32 x 32 mm (button) 50 x 50 mm (including sewing edges)	Length = 10 mm	18 x 17 mm
Weight	5 g	18 g	18 g	1 g
Modes of operation	<ul style="list-style-type: none"> - Flashing - Bright continuous - Eco continuous 	<ul style="list-style-type: none"> - Flashing - Bright continuous - Eco continuous 	Not applicable	Not applicable
Certificates	CE, RoHS, IP68	CE, RoHS, IP68	CE, RoHS, IP68	Not applicable



Product Technology

Certificates

CE

The CE identification proves that the product is compliant with EU legislative for protection of health, safety and environmental protection. Obtaining CE certification is necessary to introduce the product to markets within the EU Economic Community.

IP68

IP68 is the highest level of IP certification, tested to a depth of 3 m for up to 2 hours, including salt water. The electronic devices identified by the international certification are also resistant against penetration by particles such as dust, sand or dirt.

RoHS

The RoHS declaration ensures that the electric and electronic devices do not contain certain dangerous substances and that thus certified products are healthy and safe for human use.

ISO 9001:2015

SUNFIBRE® is manufactured in accordance to ISO 9001 norms in our certified facility.

EN469:2020

Contact us for more information about certification on flame retardant garments with integrated SUNFIBRE® technology (Certificate is not related to power bank).



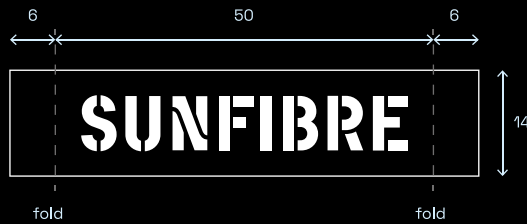
Marketing Support

SUNFIBRE® marketing support for our licencing partners

The SUNFIBRE® technology gives your products a greater identity and offers an important way to set yourself apart from the competition. The simplest way of informing final users about your unique product's integrated with patented European technology SUNFIBRE® is to place its logo on your product.

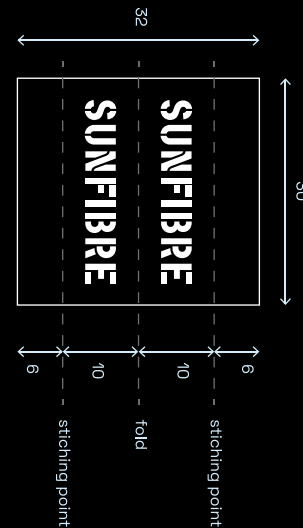
Woven sew-on label

Black & white
SF-BT-48117-BW



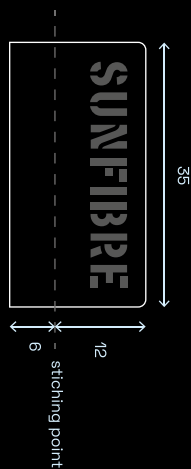
Woven seam label

Black & white
SF-BT48118-1-WB



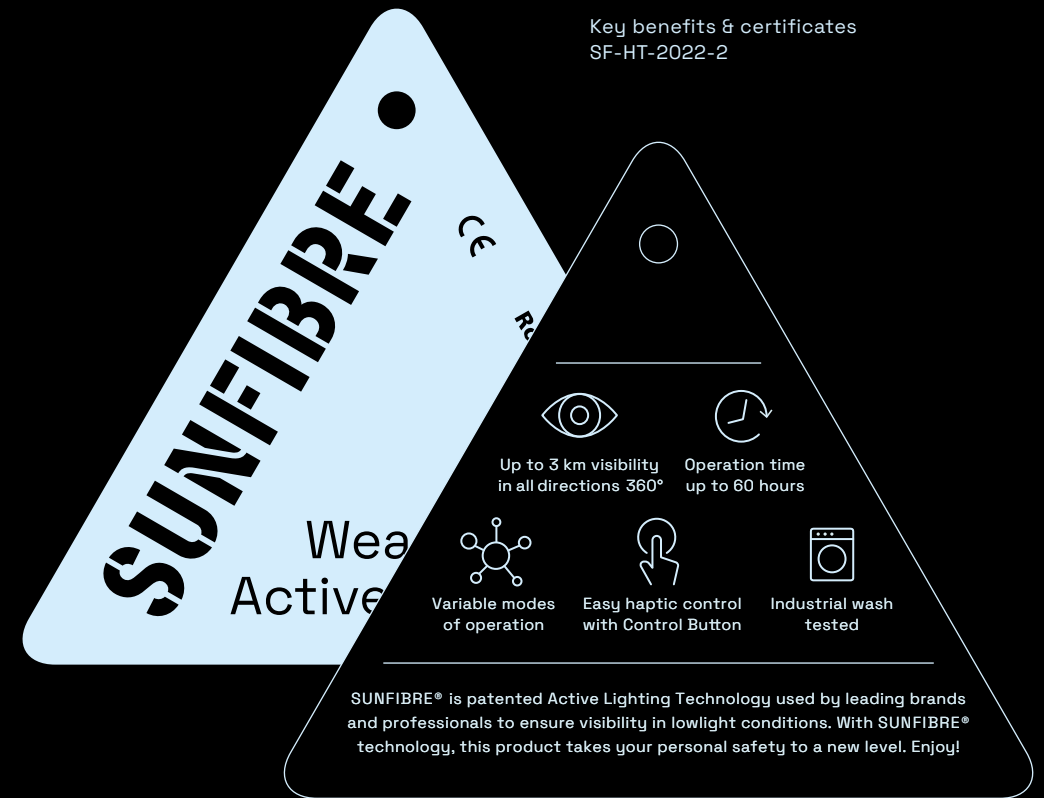
Hypalon seam label

2-sided
black, tone in tone
SF-JTL1188-BB



Hang tag

Key benefits & certificates
SF-HT-2022-2



Swedish Blue

Candy Pink

HV Yellow



Colour Card

Colour abbreviations
 CW Cool White
 AR Amber Red
 BL Blue
 GR Green
 IR Infra Red (850, 940 nm)
 HV High Visibility

Textile colour

Approx. tone Code

Bright White	H000
HV Yellow	H115
HV Orange	H215
HV Red	H325
Silver Grey	H850
Rescue Red	H327
Swedish Blue	SF01
Military Green	SF02
Neon Green	H615
Candy Pink	H332
Gold Mist	H712
Blue Lagoon	H650

STANDARD Colours — always available on stock for small series or sampling.

SAMPLING Colours — always available on stock for sampling.

LED diode colour

Recommended

- CW
- CW
- AR
- AR
- BL
- AR
- BL
- AR
- IR
- CW
- CW
- CW
- CW

SPECIAL Colours — Didn't find your colour? Never mind, we will test and deliver the colour of your choice in max. of 10-15 weeks.