SOLARLIGHTCAP

DEVELOPED BY 2C

The essential solar charging light that you wear

Wear our cap during the day to give you UP TO 5 HOURS LIGHT ON FULL BEAM whenever you need it, or up to 36 hours on dim

(see inside for details)

Photographed on location at Rakaia.
Some adjustment has been made to allow for low light levels.

Ever had to stop what you were doing because it started to get dark and you either didn't have a light or a spare hand to hold it?

Here's the answer for all those times you're outdoors and you need a handy, convenient light that doesn't get in the way, that you don't need to carry, that doesn't need new batteries all the time and that gives you all the safety and functionality you want.

SOLARLIGHTCAP

Our SolarLightCap is a cap you wear like any other, but that charges itself during the day to give you hours of free light when you need it, after dark.

SOLARLIGHTCAP

FEATURES

Wear this comfortable cap during the day, push the button and you've got two strong LEDs shining at a downward angle (lighting up about 6 feet in front of you) when darkness falls, to either show the way or illuminate whatever you're doing. The solar charging means you don't have to worry about batteries – or the environment. And there's more than enough light for most people, with up to 5 hours* of full power operation from a fully charged cap. It's even longer in the dim or flashing modes.

- Solar powered – no need for batteries
- Simple push button operation
- 5 hours light on full beam
- Self charges in normal daylight
- Weatherproof
- Zero maintenance
- Range of designs, colors and styles
- Easy to wear, easy to use
- The way to see and be seen
- Hands free
- Award winning design – Best Functional Design – NZ TechnoFashion Awards

*See our average operational timechart for details.
Some variation on expected performance may occur.

Features leading US technology
Product designed in New Zealand
Produced in China by a US company

FCC certified

Breathable cotton

Cap is hand washable
(do not submerge peak)

Weatherproof IP66
Floats

One size fits
most people

Range of designs,
colors & styles

Worldwide Patent Pending #60753743

SOLARLIGHTCAP

PRODUCT INFORMATION

The **SolarLightCap** from **2C** comes in a selection of styles and color ways. There are full caps, mesh variations, styles with earmuffs and visor designs. You have a choice of popular colors. New styles are constantly being evaluated with a view to extending the range.

The **SolarLightCap** combines both fashionability and functionality. It has been judged a winner for **Best Functional Design** at the **New Zealand TechnoFashion Awards**.

SLC100 SERIES

100% brushed heavy cotton with a brass swing buckle at the rear. Soft sweatband. One size fits most people.

Color ways:

Sizes: 1 size

SLC500 SERIES

100% leatherette, padded with faux fur-lined adjustable earflaps.

Sizes: S M L

SLC200 SERIES

Medium profile baseball cap. 100% brushed heavy cotton with a brass swing buckle at the rear. One size fits most people.

Color ways:

Sizes: 1 size

SLC300 SERIES

Classic 4-panel high profile trucker cap. 100% cotton with plastic or polyester mesh. One size fits most people.

Color ways:

Sizes: 1 size

SLC400 SERIES

Ultra comfortable low profile, unstructured running cap. 100% brushed heavy cotton. One size fits most people.

Color ways:

Sizes: 1 size

SLC600 SERIES

Visor style with 100% brushed heavy cotton. One size fits most people.

Sizes: 1 size

Please note: Styles, color options and other product specifications may change without notice. New styles and design modifications are constantly being introduced. These product references are therefore only intended as a guide to the range available at time of printing.

Colors

- Bush Green
- Tussock
- Red Rock
- Sandstorm
- Pitch Black

SOLARLIGHTCAP

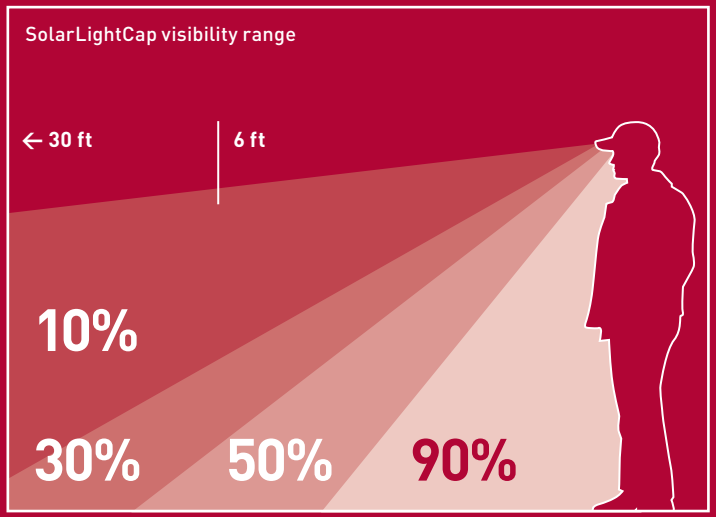
PERFORMANCE...

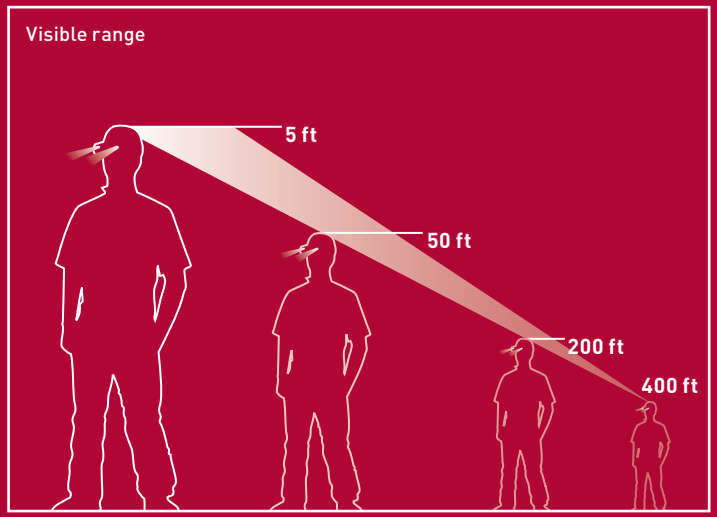
How far will you see at night with your SLC?

Your **SolarLightCap** will shine around 6 feet in front of you with a standard head angle. By lifting your head higher the beam of light can extend out to around 30 feet. That's around two car lengths ahead. Naturally, as the distance gets greater the intensity of the light lowers. Dimming and flashing modes produce different results.

Visibility at distances

It's not just a matter of seeing, but of being seen. Wearing your **SolarLightCap** means you can be seen from a distance. While the lights have been angled so they won't shine directly in people's eyes, they are highly visible. In SOS mode your **SolarLightCap** can provide 4 – 8 hours operation (see charging charts for details).





Please note: Graphs are indicative only – not to scale. For actual specifications please contact manufacturer.

Photographed on location at Lake Ellesmere.
Some adjustment has been made to allow for low light levels.

SOLARLIGHTCAP

HOW IT WORKS...

About Powersave...

Our **SolarLightCap** uses a special mode to turn off before the battery drains completely. This ensures the cap always has a little left in reserve to provide short bursts of light with every press of the button until the power is finally exhausted. This can be extended to up to 20 minutes of light using the dimmer.

Using the sun and 2CTechnology

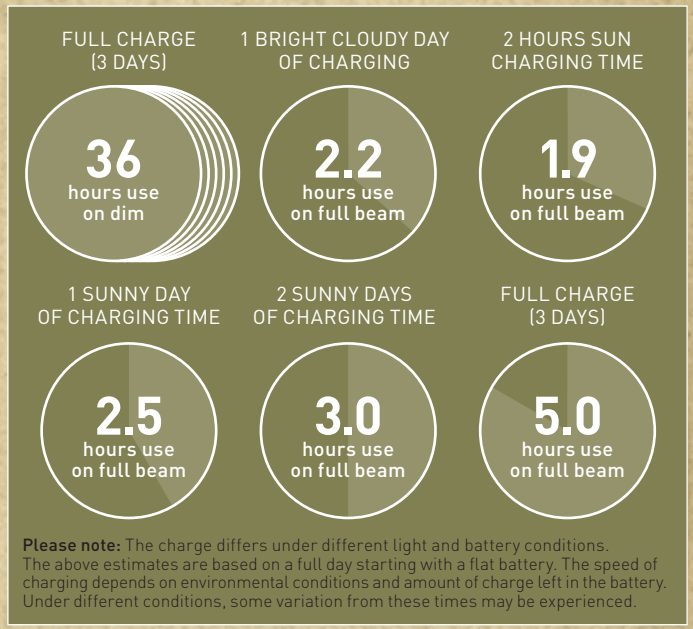
When sunlight shines onto the solar cell panel enclosed in the peak of the **SolarLightCap**, photovoltaic technology converts this solar energy into electricity, which is then stored in three special batteries for later use. Our **SolarLightCap** then uses a microprocessor-controlled charging and discharging system that provides pulse width modulation to control the light brightness and various light pulse patterns. This allows 'even light' brightness as the battery discharges and saves power when using the dimmer or pattern controls.

It takes 3 days to charge your **SolarLightCap** to capacity. Then you should be able to expect up to 5 HOURS USE ON FULL BEAM from your **SolarLightCap** by **2C**. A day's charging in sunlight (approximately 8 hours in reasonable light) will recharge your cap from then on. Performance times will be even longer if you are using your **SolarLightCap** in the dim or flashing modes.

There's all the convenience of not needing to think about batteries. It's the self-recharging light you wear. That also makes it better for the environment because it uses clean solar power and there's no pollutive Cadmium from discarded batteries leaching into and poisoning the landfills. What's more, it actually saves you money. After 6 weeks use the price you'd have otherwise paid for replacement batteries means your **SolarLightCap** will have paid for itself!

Operational performance on full power

Usage time for your **SolarLightCap** depends on the conditions in which the cap is charged. To reach a full charge initially takes about 3 days of daylight.



Please note: The charge differs under different light and battery conditions. The above estimates are based on a full day starting with a flat battery. The speed of charging depends on environmental conditions and amount of charge left in the battery. Under different conditions, some variation from these times may be experienced.

THE STORY OF OUR SOLARLIGHTCAP

One night on **Tioman Island**, inventor and company founder **Simon Dyer** became engrossed in the spectacular nature of his surroundings, busily taking photographs of the sunset, wandering far from his accommodations – unaware of just how fast darkness can fall in the tropics. Within minutes he found himself in pitch blackness with nowhere to sleep, forced to crawl on his hands and knees back along a narrow walking track to his base – not knowing, until he retraced the route next morning, that he was on the edge of a sheer drop to the rocky sea below, oblivious to the incredible danger he had been in.

If only, he thought, there had been some form of light. How reliant we still were on lighting, despite all our advances. How our safety and enjoyment of the great outdoors depended on it. Imagine if there was a self-recharging light that you could wear, that could be incorporated into our clothing...

> It wasn't until years later, with the advent of the technologies that could support this – flexible solar panels, micro-computing and other associated electronics, along with super and ultra bright LEDs, that I realized we could make this a reality...our SolarLightCap.

Simon Dyer, 2C

SOLARLIGHTCAP

It has taken more than four years of product development, dozens of design prototypes and a host of scientific tests...but now, our unique **SolarLightCap** uses superior, sophisticated **2CTechnology** to promise unequalled performance and reliability, integrated into an award-winning, world class ergonomic design.

ABOUT 2°C

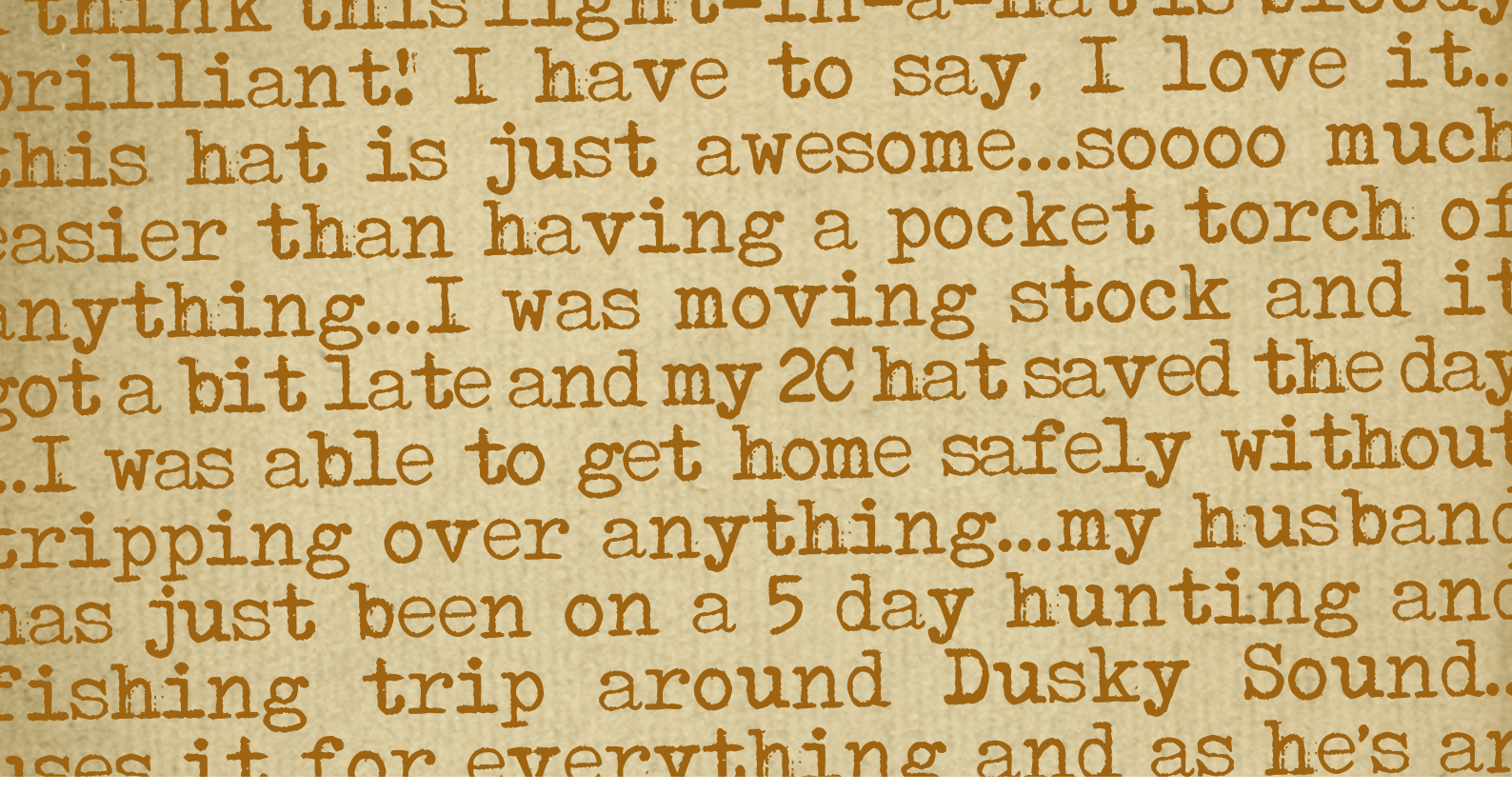
2C is committed to the concept of NewGreenThinking.

It's a philosophy that leads to products with a forward-looking attitude and an inherent respect for the environment. We call it **FutureVision**. Tomorrow promises an exciting world. It will be a place where what we wear will have added functionality without losing its esthetic appeal. It is this combination of design and purpose that is creating a new approach.

Our company uses its own **2CTechnology** to realize advancements in incorporating technology into our daily lives – enhancing comfort, convenience and functionality. It's innovative design thinking backed by rigorous testing and a keen respect for the market and what people want and need.

Leading the way with a new generation of clothing with built in functionality.

New Zealand TechnoFashion Awards 2006.



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DEVELOPED BY

www.solarlightcap.com

This brochure is printed on paper made from 60% recycled sugar cane fibre (Bagasse) & 40% FSC pulp. Wood and sugar cane fibre originate from sustainable Well Managed resources. Softwood fibre manufactured under Environmental Management System ISO 14001.