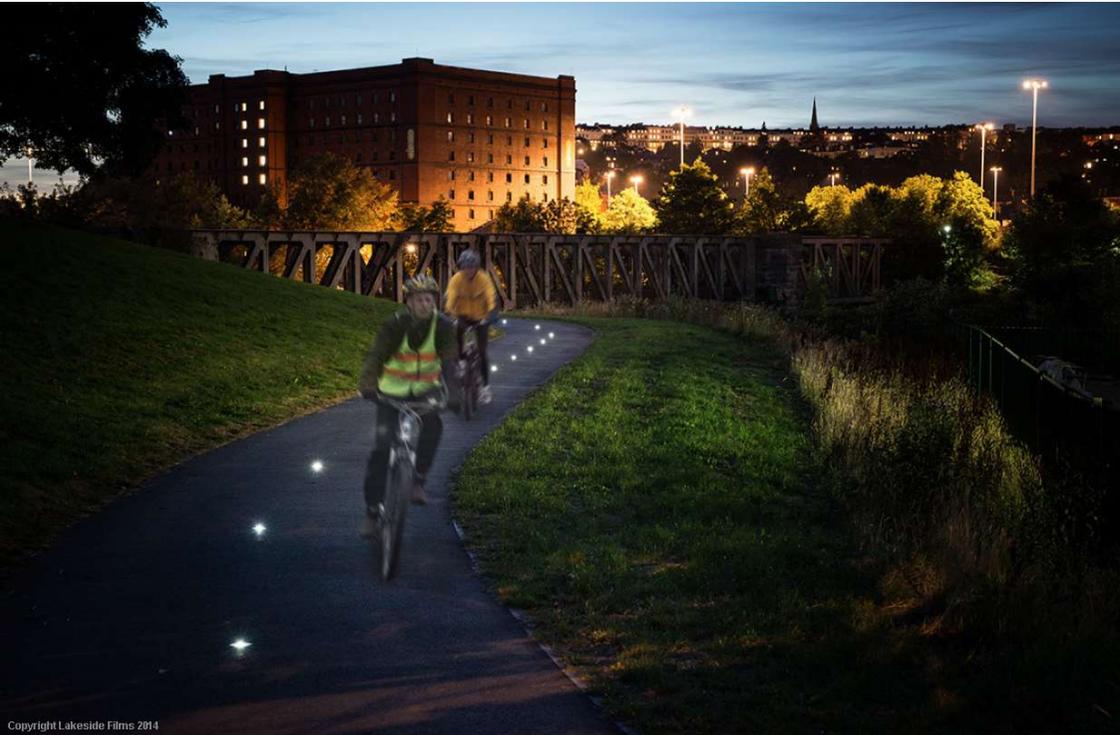




solareye[®]80 

Presentation by Lakeside Group



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About Us

Guiding People Safely Home

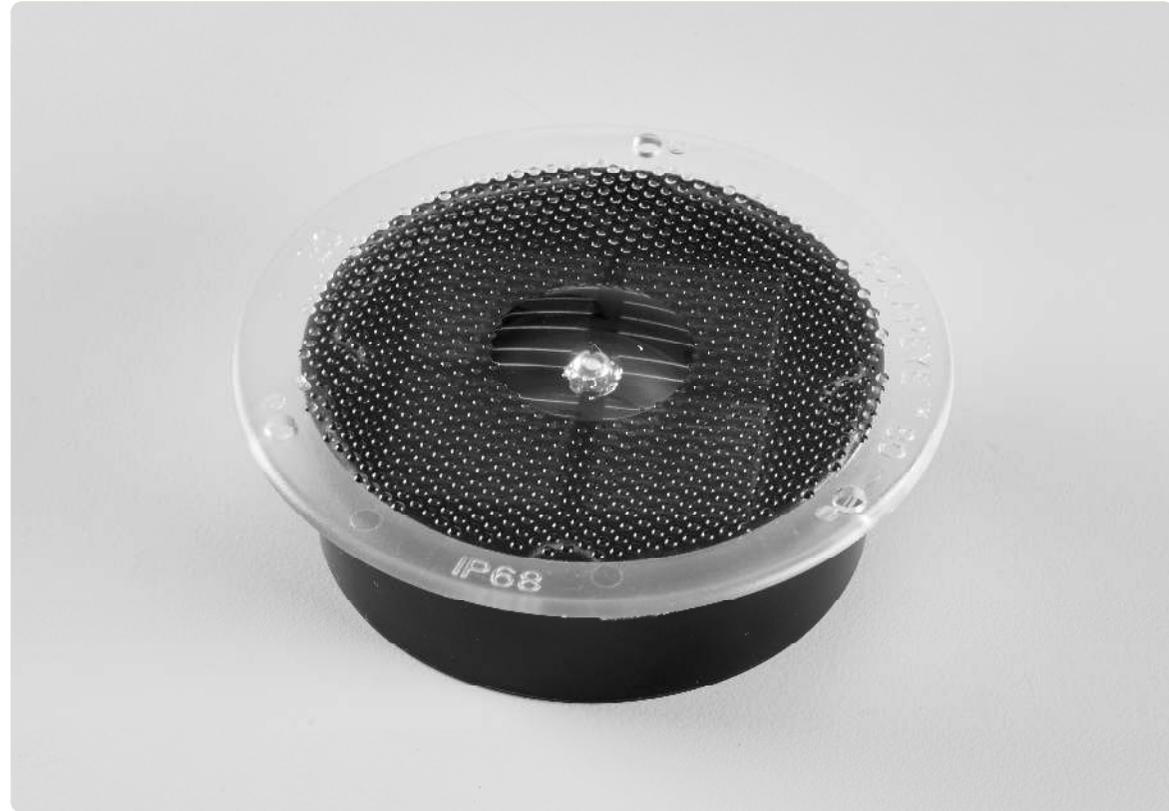
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Lakeside Group have spent the last decade making roads, cycle routes and pedestrian walkways safer. By listening to feedback from our customers we have created designs and innovations that reduce environmental and safety concerns, whether that's solar ground lighting, vehicle markings, signage or conventional road studs.

solareye®80 >>

Environmentally friendly ground lighting

that gently illuminates and outlines paths and routes. Designed in the UK, the robust casing of the solar light fits almost flush with the pathway surface, delineating boundaries in dark skies and helping guide people safely home.



The Benefits



Environmentally friendly

A sustainable solution, thanks to the renewable energy source with zero energy consumption, helping you to reduce your carbon footprint and meet your energy targets.



Reduced installation & operational costs

Off-grid solar lighting offers a practical solution to areas that lack electricity or are harder to maintain, without compromising on wayfinding light.



Wayfinding light

solareye®80 just 6mm above the pathway surface, delineating boundaries and outlining routes from dusk to dawn thereby contributing to a sense of safety and security



Tested & reliable

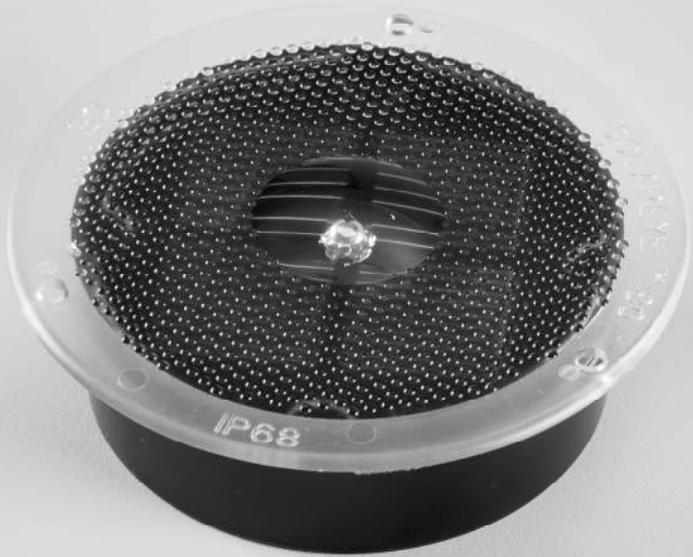
Thanks to rigorous testing in UK weather conditions, over 20,000 installed throughout, a LED lifetime of 100,000 hours plus, the need for replacement is reduced



Conservation friendly

Solutions that reduce upward light spill and the potential impact on natural habitats and protected species such as bats.

Key Features



Extremely Tough

Almost 100% vandal proof. Constructed from industrial grade polycarbonate and Compression tested to 55 tonnes. IK10 rated for impact resistance.



Proven track record

Over 20,000 installed in the UK. First trial site installed in 2012 – still going strong!



LFP Battery

Long life LFP batteries give up to 8+ years life

Key features



CE

CE accreditation

CE accredited. IP68 rating for water and dust ingress.



Visibility

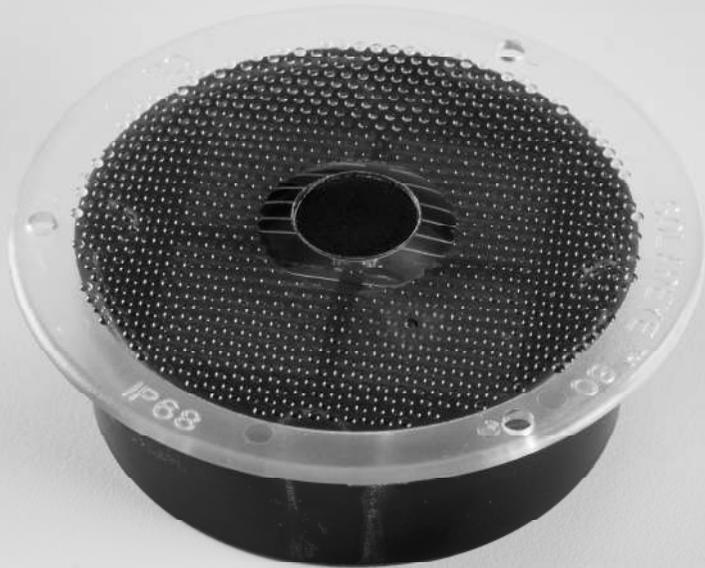
360° Light and visibility in excess of 500m



No trip hazard

Installed height 6mm

Rounded edges – non-trip hazard



Conservation lighting

Reducing upward light spillage by up to 98%

The sustainable option for ground lighting in public areas

Our flexibility, commitment and passion drive us to deliver solutions that are not only attractive to our customers but are sustainable to the environment.

The solareye®80 “bat hat”



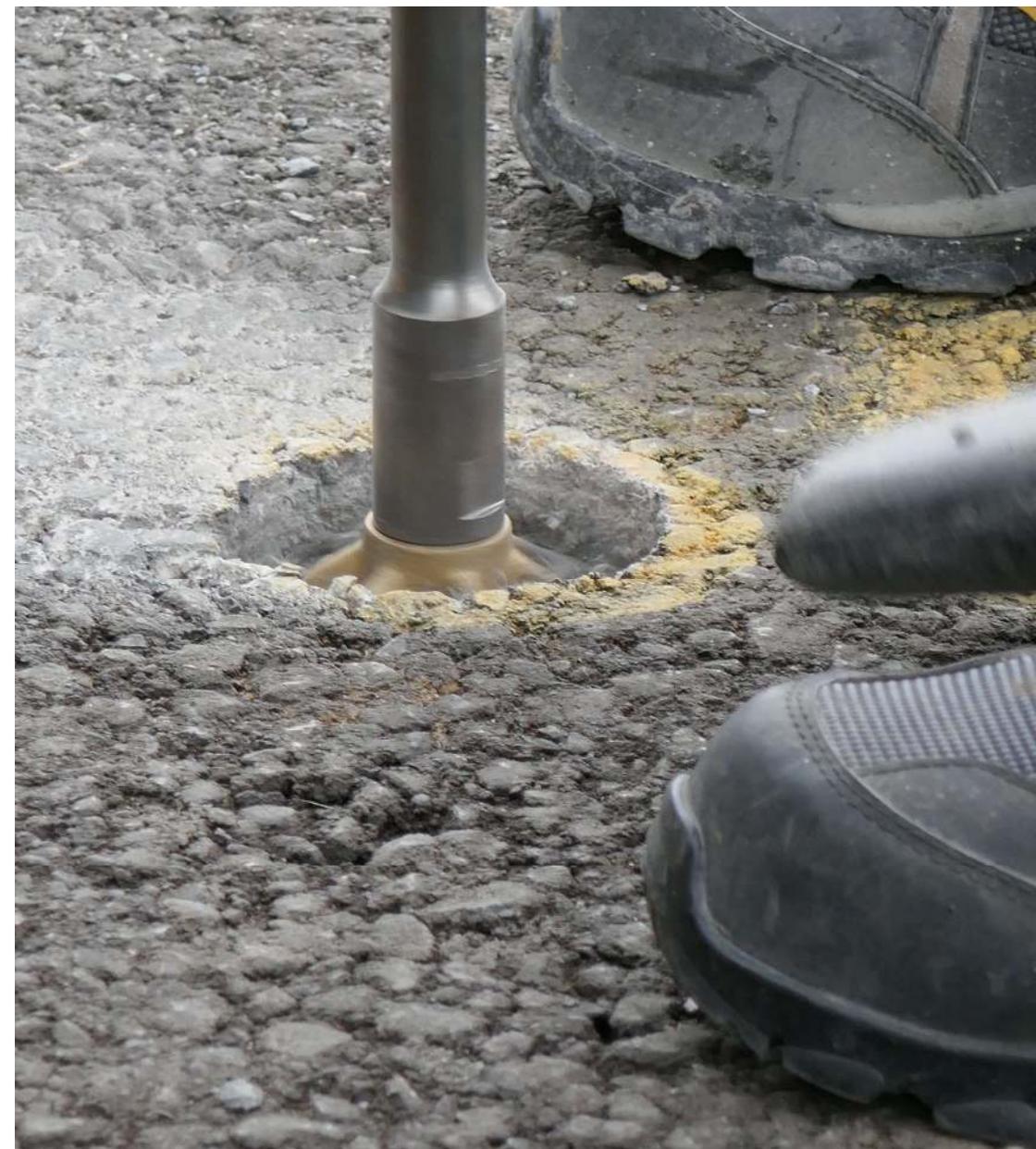
Artificial light can have detrimental affects to the feeding and roosting behaviours of protected species such as bats.

Whilst we are very proud of the brightness and omni-directionality of our standard product – we were keen to create an alternative for conservation areas so that bats and other wildlife that may be affected, would not be disturbed.



We re-engineered the standard product by adding a little hat to reduce the upwards light spillage by around 98% whilst remaining the same in profile, making the ‘Bat Hat’ a far friendlier option.

Perfect for conservation sensitive areas or dark sky reserves, our delineator won’t give off unwanted light fields or interfere with our little nocturnal friends.



Installation

We can install, advise, supply or recommend

Installation Process

Simple to install & maintenance free



Pre-mark & Clean

The site needs to be pre-marked and cleaned (swept) prior to installation.



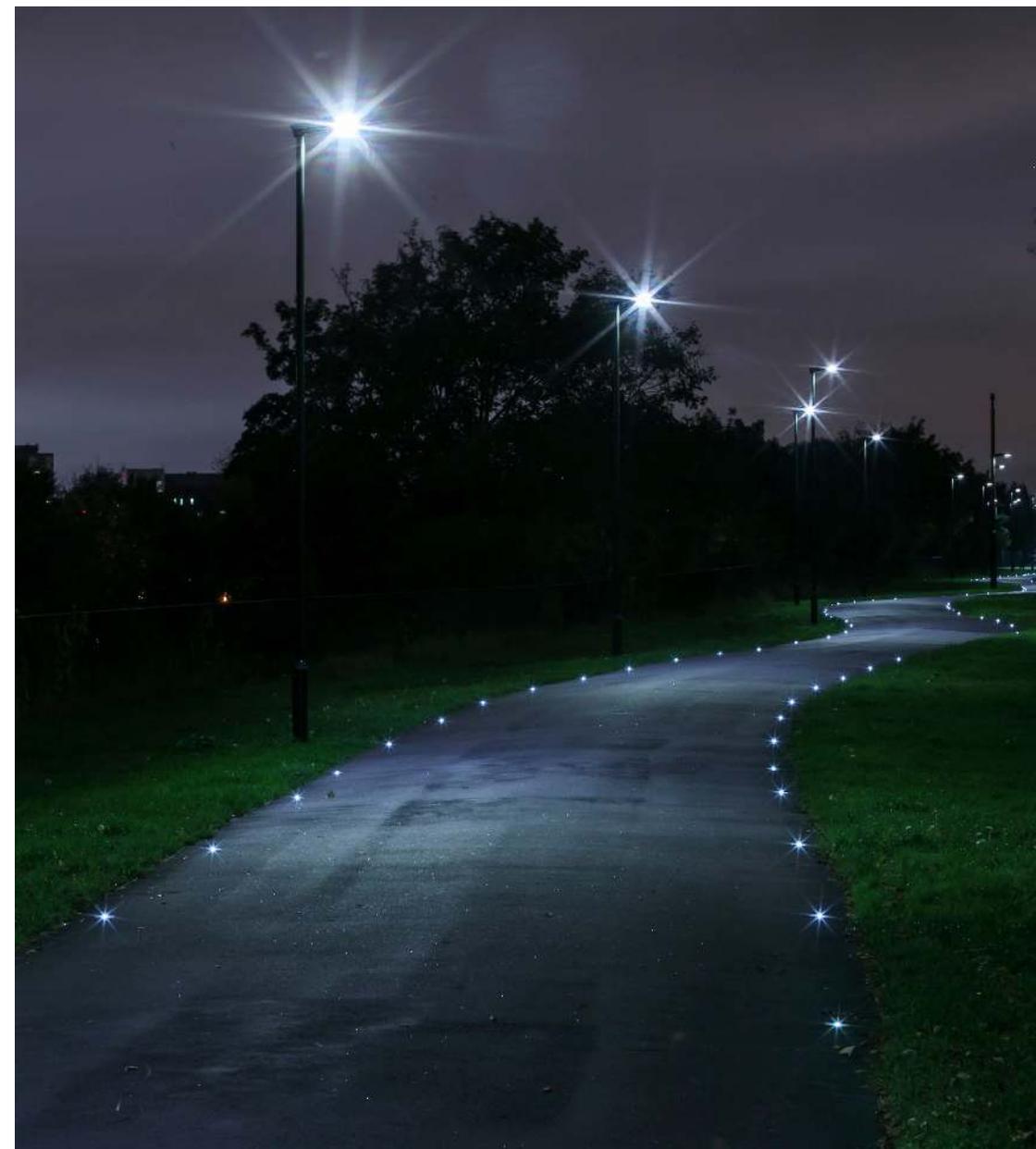
Cut hole

Using a milling cutter, the hole is drilled and cleaned using a hand-held leaf blower, then checked for depth



Glue and insert S80

Apply the double epoxy glue and insert the S80.



Case studies

Discover the wide range of applications

Cambridge City Council



Coe Fen is a shared footpath in the east of the city and a key off-road cycling commuter route into the city.

- The need for wayfinding light whilst providing delineation for public safety and increasing usability had been recognised.
- An ecological survey revealed the presence of bats and other nocturnal animals’ – any disturbance of the historic, unique and natural landscape was required to have a strong justification.
- Cambridge City Council needed to ensure that the measures to improve cycling commuter route infrastructure safety were sensitive to the environment.
- Over 100 ground lights with bat hats were installed

Testimonial –Cambridge City Council



“Due to the success of the installed stud lighting through Coe Fen; solar stud lighting with bat hat protection has become the method with greatest community backing for schemes in similar environments across the city”

“As a result of the Coe Fen project a further 250m of solar lighting has now been extended along the route bringing the length of wayfinding lighting along this route to well over 1km”

Rare Bats Benefit from Friendly Lighting

Bat-friendly lighting is installed along a thriving Worcestershire riverside to aid the feeding patterns of a rare bat colony



An ecology survey revealed that the vulnerable species were roosting near Worcester Cathedral alongside the River Severn, a popular stretch of the riverside used by pedestrians, cyclists and commuters. Sadly, the survey also revealed the lesser horseshoe bats, who are particularly sensitive to disturbance, were not feeding properly.

- Worcestershire County Council recognised they had a legal and moral obligation to protect the rare bat species whilst maintaining a safe and attractive public environment.
- The council approached Lakeside Group to install approximately 40 environmentally friendly solar light studs (solareye®80) along an area of the riverbank. Each solar stud was fitted with a 'bat hat' designed to reduce the upward light spillage thus reducing the potential impact on the rare bat colony.



Summary

Could solareye®80 work for *you*?

- Certified waterproof (IP68) and vandal-proof/impact resistance (IK10), and proven to work efficiently all year round, you can trust solareye®80 in any environment – even under water
- From large scale projects such as waymarking of cycle tracks and university campuses to smaller applications around the grounds of a single house, the beauty of solareye®80 is in its flexibility.
- Put safety first without compromising on your carbon footprint

Thank You

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