



18 SPECIES
IN BRITAIN



**CUTOFF
BOLLARDS**

**PROTECTED
SPECIES SINCE
1981**

Why Do Bats Matter?

Insect Control

In the UK, bats play an important role in controlling insect numbers. Bats native to the UK are insectivores, meaning they eat only insects. Insect-eating bats are essential for keeping bugs away from crops and gardens. In some regions, a significant reduction in the need for pesticide sprays has been due to the quantity of insects eaten by bats.

The presence of bright lights operating in regions where bats dwell disrupts their nocturnal instinct. The resulting impact creates a substantial increase in pest and insects. Amber lighting operating between 585 and 595nm is needed to help bats maintain a healthy and safe environment.

Indicators of Biodiversity

Bats share a vital role in the ecosystem, accounting for one third of all mammals in UK. Habitats, such as wetlands, woodlands, farmland, as well as urban areas are all home to bats. They provide a glimpse into the status of the environment, as they are the dominant predators of common nocturnal insects.

Landscape changes, agricultural intensification, development, and habitat fragmentation impact bats and many other wildlife species sensitive to changes in the environment. The destruction of hedgerows and woods in farmland is also concerning, as bats rely on these features for roosting, hunting and getting around. As these habitats are destroyed, the number of insects and other pests increases.

Reforestation & Pollination

A variety of bats tend to carry seeds and pollen while they travel. This helps in regrowth and reverses the effect of deforestation. When seeds being carried drop to the ground far from the original tree, new growth takes place. Pollen that clings to a bat's coat is carried off to other plants aiding in the pollination of other fruits and flowers in the region.

BAT CONSERVATION PROTECTION

Over the years, the bat population has faced historical decline. In 1981, bats were listed as an endangered mammal under the Wildlife and Countryside Act. The diverse range of bats play an important part in the ecosystem, including pest control, pollination of agriculture and flowers. Bats have also been recognised in the reversal of deforestation through their critical role in spreading seed of trees and other plants.

Installing amber lighting plays a vital role in the conservation and protection of bats and their roost. As nocturnal animals, bats leave their roost at night to feed and avoid predators. Artificial lighting has been known to deceive bats believing the sunset has not come, preventing their emergence from the roost. In time, bats will abandon the roost or die within. Amber lighting provides a safe and robust environment for the bat population to thrive.

AMBER FIXTURES

Amber Wall Mounts are designed to replace HID lighting systems for wildlife, dark skies, or security applications requiring monochromatic Amber light. Our Amber LEDs operate between 585 and 595nm, greater than 560nm required for wildlife protection.

AVAILABLE AMBERLED LUMINAIRES: ROUND & SQUARE BULKHEADS



DECK & WALL LIGHT



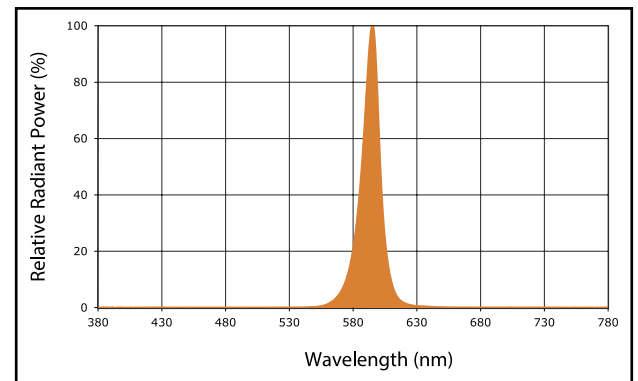
FLOOD & AREA LIGHTING



LINEAR LED DIE CAST



SPECTRAL CHART



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For more information visit our website at www.light-u.co.uk