



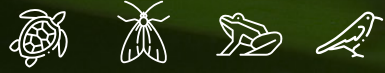
**Advanced**  
LIGHTING TECHNOLOGIES

**WILDLIFE FRIENDLY**

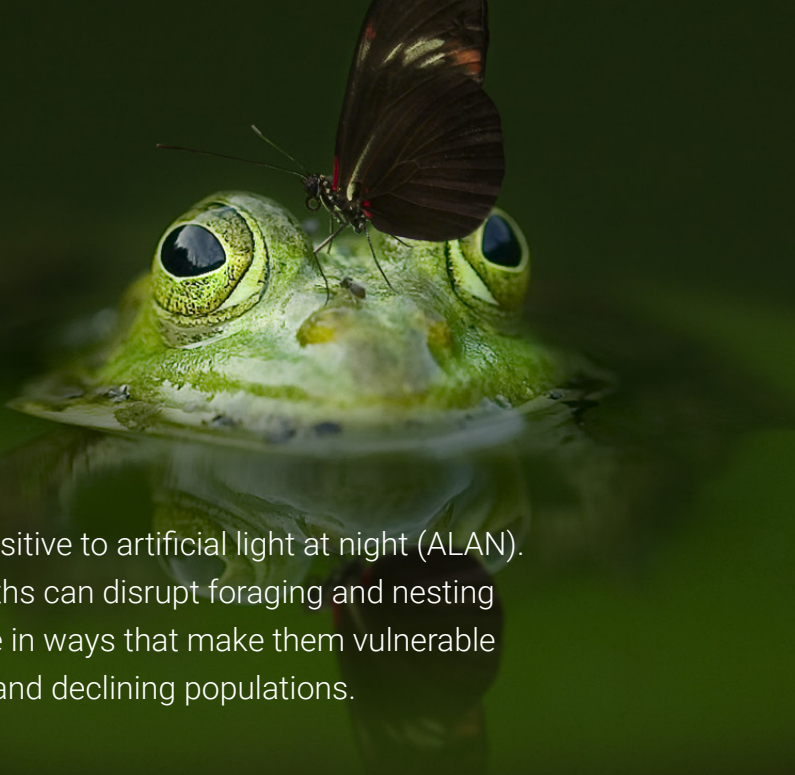
LIGHTING SOLUTIONS



# DEDICATED AMBER LED LIGHTING THE WILDLIFE FRIENDLY SOLUTION



Many species of animals and insects are sensitive to artificial light at night (ALAN). Too much light and light of certain wavelengths can disrupt foraging and nesting behaviours or attract them to the light source in ways that make them vulnerable to predation. All this can lead to habitat loss and declining populations.



## OUR RANGE OF DEDICATED AMBER PRODUCTS

AMBER LED LIGHTING IN TOOWAY CREEK, QLD

### Saving Native Turtles

#### Problem

Artificial light from development near turtle habitats can disorientate nesting turtles and their offspring – who are drawn to white light, mistaking it for moonlight reflecting off the ocean. This can result in a much greater mortality rate among new hatchlings.

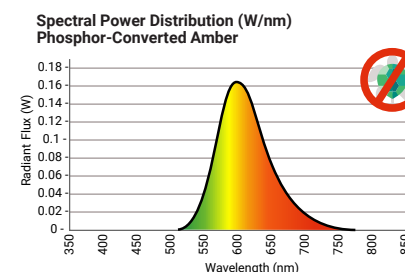
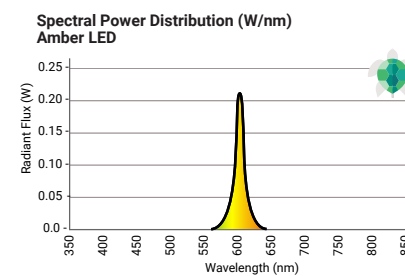
#### Solution

Specially designed amber coloured LEDs produce light with a narrow spectral distribution that minimises disruption to turtle behaviour. Amber LEDs also typically produce fewer lumens than their white-light equivalent, reducing disruption to wildlife even further.



### What does 'wildlife friendly' mean?

Not all amber LEDs are created equal. Many phosphor converted amber LEDs still produce blue wavelength light that is visible and disruptive to wildlife, even though the light appears amber to humans. Advanced Lighting Technologies' wildlife friendly lighting solutions feature specially designed **dedicated amber** LEDs that produce light of a narrow spectral distribution much less visible to turtles and other wildlife. In addition, luminosity can be precisely calibrated to the needs and sensitivity of different nocturnal species and environments.



#### CREE LIGHTING

### Edge Area Square

AVAILABLE LUMENS (AMBER LEDES)

**860 - 6,730 lumens**

EFFICACY (LPW)

**50 LPW**

DRIVE CURRENT

**350mA only**

WAVELENGTH

**600nm**

WARRANTY

**10 Year**

LED COUNT

**20, 40, 60, 80, 100, 120, 140, 160**



#### CREE LIGHTING

### Edge Area Round

AVAILABLE LUMENS (AMBER LEDES)

**1,720 - 5,080 lumens**

EFFICACY (LPW)

**50 LPW**

DRIVE CURRENT

**350mA only**

WAVELENGTH

**600nm**

WARRANTY

**10 Year**

LED COUNT

**40, 60, 80, 100, 120**



#### CREE LIGHTING

### LEDway

AVAILABLE LUMENS (AMBER LEDES)

**1,740 - 5,100 lumens**

EFFICACY (LPW)

**52 LPW**

DRIVE CURRENT

**350mA only**

WAVELENGTH

**600nm**

WARRANTY

**10 Year**

LED COUNT

**40, 60, 100, 120**



NOTE: All lumen values listed are nominal. Edge Area Square & Edge Area Round lumen figures are based on 5M optic. LEDway lumen figures based on 3M optic. LPW is average of available lumen package in that optic. Cree Lighting Edge Canopy, Security & Parking also available with dedicated amber.



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