



**Beghelli**  
LUCE®

# TURTLE LED

*Beghelli creates solutions that enhance and protect our environment. Wildlife-friendly lighting is one of those solutions. Our Turtle LED is ideal for areas where excessive artificial lighting can disturb eco-systems, such as coastal areas where sea turtles need a dark sky to orient and migrate towards the ocean. The Turtle LED emits light visible to humans, but not to most species typically affected by artificial lighting.*



*turtle*  
**Quality for <sup>^</sup>life**

# Quality for <sup>turtle</sup> life

## Help Protect Our Environment

### INTRODUCING THE TURTLE LED

Many people may not be aware that, according to the Florida Department of Environmental Protection, Sea Turtle populations have experienced massive worldwide declines. These declines may only be reversed by managing the effects of human interaction. One significant detriment is light pollution. Light pollution on nesting beaches is detrimental to Sea Turtles because it alters their nighttime behaviors when turtles lay eggs, where they choose nests, and how the hatchlings make their way back to the sea, or even are able to find the sea after hatching.

Sea Turtles have been nesting on the beaches for millions of years. In the past the hatchlings were drawn towards the moonlight and stars reflected off the surface of the ocean water. In our modern times, the light emitted by developments directly beyond the beach is often much stronger than the reflected light that the hatchlings instinctively crawl towards. This results in literally thousands of dehydrated and dying hatchlings misdirected by these lights every year. They simply cannot find the sea to return.



*Using Beghelli's Turtle LED can reduce the light pollution at beachside properties in Florida. Our Turtle LED is ideal for parking garages and multi-floor facilities or the ground floor of single story buildings. Our Turtle LED is offered in both 2FT and 4FT configurations.*

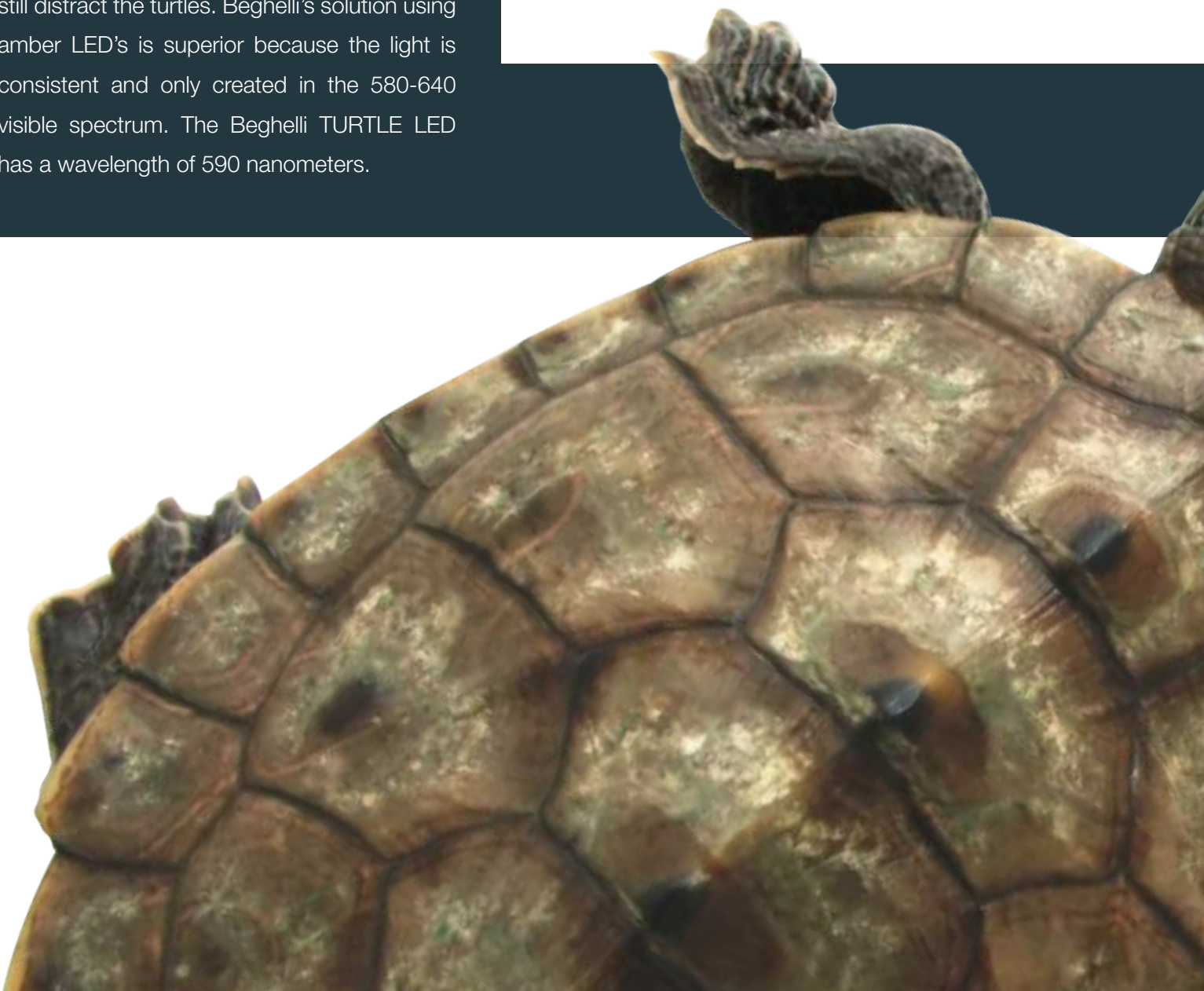
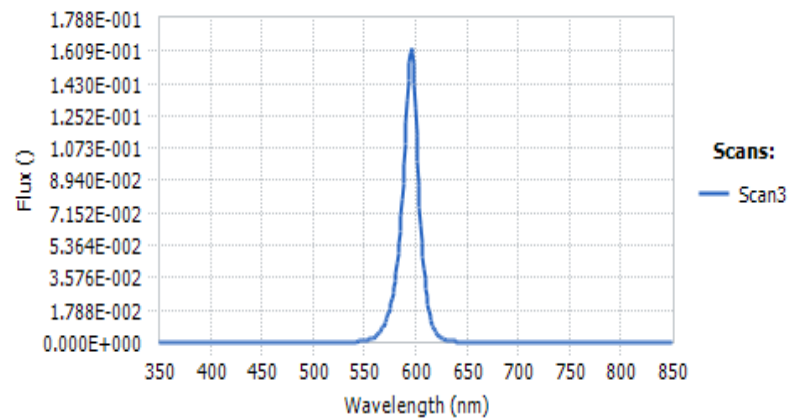
Beghelli has answered the call for this special environmental need. The Turtle LED offers a “turtle-friendly” outdoor light ideal for the coastline. These fixtures not only meet Florida’s Regulatory requirements but can truly enhance the areas they are installed in, while protecting our environment and hopefully saving many turtles lives.



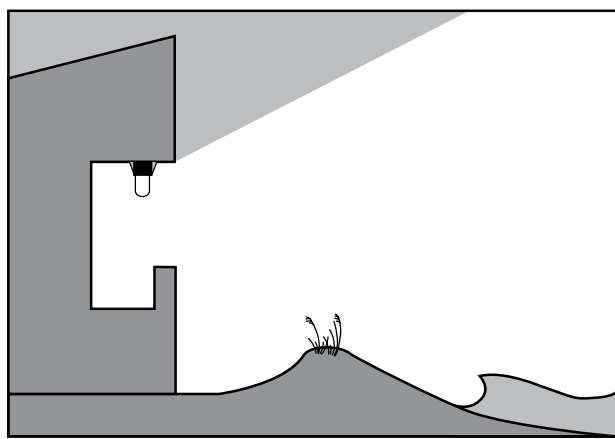
## WAVELENGTH

Studies have shown that baby Sea Turtles respond to the brightest elements in the sky in order to guide them safely into the water right after they hatch. Certain wavelengths of light have minimal effects on the sea turtles senses. Light in the higher spectrum (yellow and red wavelengths or 580-640 nanometers) have less effect on the turtles, while light from the lower spectrum has a greater effect (moonlight falls within the lower blue/violet spectrum).

Light filters are not enough as they allow leakage into the lower wavelengths that can still distract the turtles. Beghelli's solution using amber LED's is superior because the light is consistent and only created in the 580-640 visible spectrum. The Beghelli TURTLE LED has a wavelength of 590 nanometers.

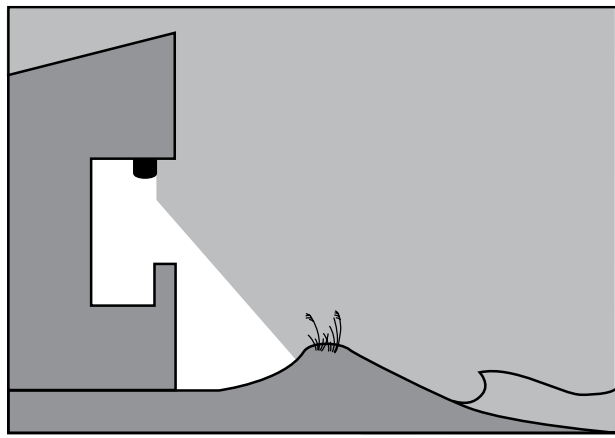


## DIAGRAMS DEPICTING SOLUTIONS TO TWO COMMON LIGHTING PROBLEMS NEAR SEA TURTLE NESTING BEACHES:



### POOR

Poorly directed balcony lighting can cause problems on sea turtle nesting beaches.



### BETTER

The better option is the FWC approved Turtle LED from Beghelli. It is fully shielded and reduces the stray light from reaching the beach.







## features + benefits

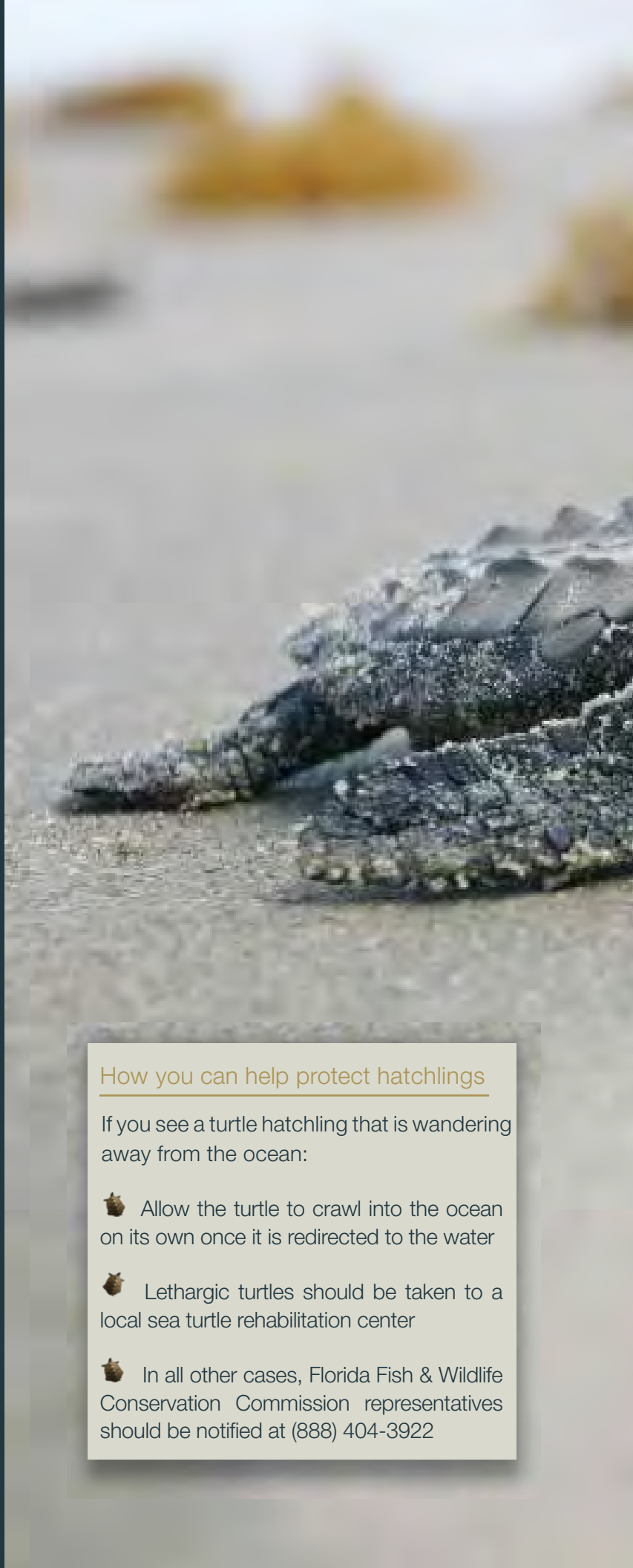
<b>Amber LED</b>	<ul style="list-style-type: none"><li>• Beghelli's Turtle LED solution uses amber LED's because the light is consistent and only created in the 580-640 visible spectrum.</li><li>• Turtle LED wavelength is 590 nanometers.</li></ul>
FWC Approved	<ul style="list-style-type: none"><li>• The Beghelli TURTLE LED received Wildlife Lighting Certification from Florida Fish and Wildlife Conservation Commission</li></ul>
<b>IP66 rated</b>	<ul style="list-style-type: none"><li>• Installation in wet and dust filled environments.</li><li>• Suitable for washdown areas with high psi</li></ul>
Fully Shielded	<ul style="list-style-type: none"><li>• Completely shielded fixture reduces stray light reaching the beach.</li></ul>
<b>Different mounting systems</b>	<ul style="list-style-type: none"><li>• Surface mount standard, aviation cable (AC), single &amp; double pendants (SPK, DPK), chain hang (CH), trunion mount (TM), junction mount (JM),</li></ul>
Expected LED life	<ul style="list-style-type: none"><li>• L70 rated up to 100,000 hours</li></ul>
<b>Dimming</b>	<ul style="list-style-type: none"><li>• 0-10V dimming standard</li></ul>



When sea turtles hatch, they orient themselves toward the ocean by looking for the brightest horizon, an important survival instinct that is threatened by artificial lighting on homes and businesses near nesting beaches.

Sea turtles need help from humans who live and work near nesting beaches. While eliminating all lighting near beaches is not always practical or safe, there are ways to reduce our impact with little to no inconvenience.

For more information please go to our website at [www.beghelliusa.com/turtle-lighting](http://www.beghelliusa.com/turtle-lighting) or call us at 954-442-6600 to speak to one of our Customer Service Specialist.



#### How you can help protect hatchlings




If you see a turtle hatchling that is wandering away from the ocean:


- 🐢 Allow the turtle to crawl into the ocean on its own once it is redirected to the water
- 🐢 Lethargic turtles should be taken to a local sea turtle rehabilitation center
- 🐢 In all other cases, Florida Fish & Wildlife Conservation Commission representatives should be notified at (888) 404-3922




### Legend

Florida's most common turtle nesting species

-  Loggerhead nesting areas
-  Green turtle nesting areas
-  Leatherback nesting areas

 County Nesting season: March 1–Oct. 31

 County Nesting season: May 1–Oct. 31





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