

AMBER LED

Integrated 590nm LED for wildlife, observatories and special applications

Responsible use and management of artificial lighting is of critical importance not only for our safety and security, but for the protection of our environment as well. In particular, sea turtle populations have declined worldwide, and the appropriate use of lighting in coastal areas will play a vital role in their recovery. To that end, long-wavelength amber LEDs, which have been shown to dramatically reduce the environmental impact of lighting in coastal areas when used properly*, are offered as standard in several outdoor luminaires for site and area, wall mount, roadway and pedestrian applications.

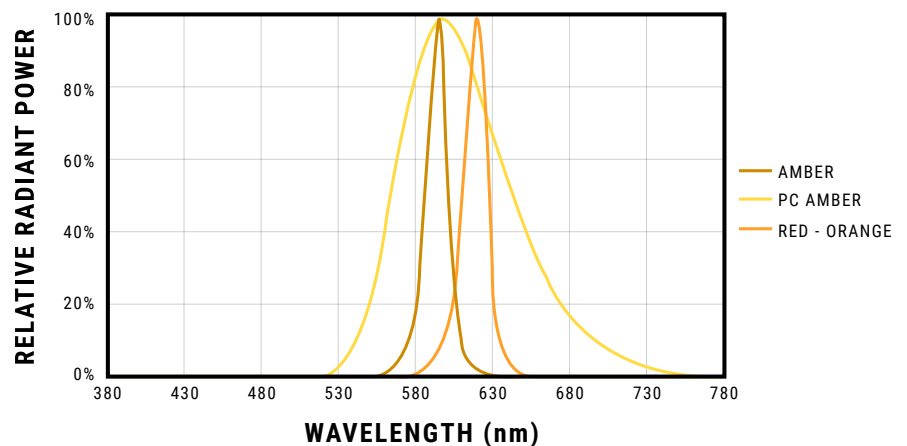
Additionally, narrow-band, monochromatic amber LEDs producing a wavelength of 590nm +/- 5nm are useful near observatories where artificial light can be adequately filtered for optimal performance. The warm color temperature produced is also ideal in many special applications requiring low-maintenance solutions that mimic traditional light sources.

Amber LED product features

- True narrow-band, monochromatic amber in 590nm, +/-5 nm, not phosphor-converted (PC) or red-orange LED
- Offered in 5WQ, 5MQ, SL2, SL3 and SL4 optical distributions
- Available for use with house side shield (HSS) option
- Drive current optimized for maximum efficiency, output and life



Galleon Area/Site Luminaire



* For additional information on the impact of artificial lighting on coastal environments, see Witherington, B. E., R. E. Martin and R. N. Trindell. 2014. Understanding, assessing, and resolving light-pollution problems on sea turtle nesting beaches, revised. Florida Fish and Wildlife Research Institute Technical Report TR-2. vii + 83 p.