

Amber LED Lighting Solutions

(Coastal & Ecologically Sensitive Applications)



Amber LED Technology and High-Performance Amber Lens Solutions

NLS offers a comprehensive range of Amber LED lighting solutions designed for eco-friendly, wildlife and turtle-friendly applications. These solutions incorporate phosphor-converted amber and true amber limited-wavelength LEDs to meet the requirements of various local pools, beaches, coastal ordinances, residential and industrial regulations, as well as ecological nighttime and sensitive-lighting standards.

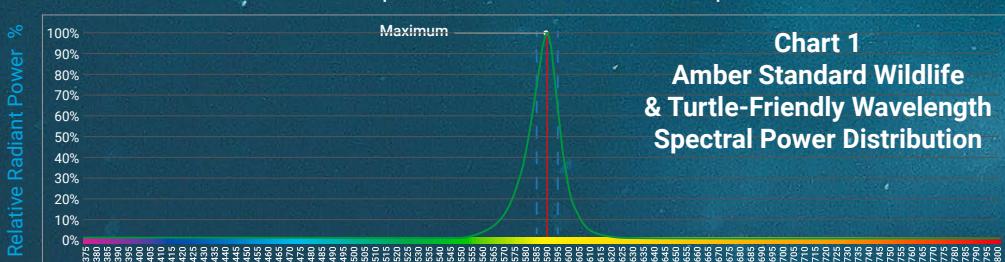
Compared to standard white-light integrated luminaires, NLS amber solutions are significantly less disruptive to sea turtles and wildlife. The primary objectives are to reduce light pollution, minimize environmental impact, and support wildlife activity, particularly for sea turtles and other light-sensitive species, by limiting blue-light content. The NLS luminaires with standard and marine finishes integrate amber optical solutions with eco-safe wavelengths into high-efficiency, shielded, and directional LED luminaires featuring full cut-off optics and backlight-control solutions to prevent light spill.



Innovative Technology

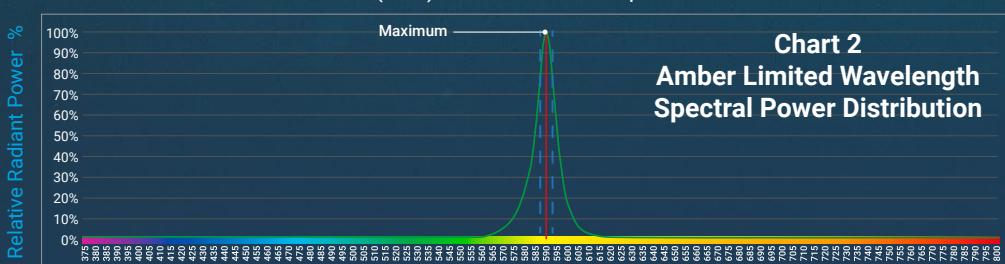
1) Standard Wildlife & Turtle-Friendly True Amber LED (Chart 1)

- 595 nm dominant wavelength, >560 nm peak wavelength
- Applicable for Florida Fish & Wildlife Conservation Commission (FWC), Hawaii, and other coastal states
- Select "AMBER" under Color Temperature / CCT on NLS Product Specification Sheets at the time of ordering



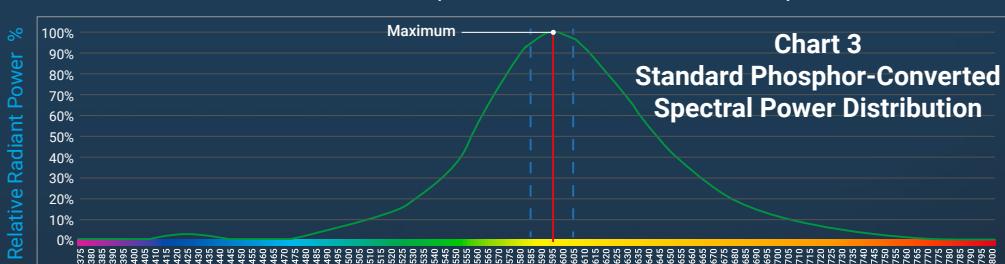
2) Custom Wildlife & Turtle-Friendly Amber Limited-Wavelength LED (Chart 2)

- <592 nm dominant wavelength, 587.5–592.5 nm peak wavelength
- Applicable for Observatory Flagstaff City, Arizona, and similar jurisdictions
- Select "FS AMBER" as Custom (CST) on NLS Product Specification Sheets at the time of ordering



3) Standard Environment-Friendly Phosphor-Converted Amber LED (Chart 3)

- Applicable for non-coastal and general markets
- Select "AMBER/PC" under Color Temperature / CCT on NLS Product Specification Sheets at the time of ordering



4) High-Performance Amber Lens (HAL) (Chart 4)

- Delivers less than 2% blue light
- Applicable for Hawaii and other coastal markets
- Select "HAL" under Lens Options on NLS Product Specification Sheets at the time of ordering



Architectural Applications

- Parking lots, site, and area lighting using pole-mounted luminaires, as well as bollards and floodlights for landscape applications
- Exterior building-mounted lighting, including sconces, wall packs, and ceiling surface or pendant-mounted luminaires for outdoor environments

For additional details on Amber LED offerings, including high-performance standard silicone micro-optics and low-glare Star Power Optics; with or without house-side shielding for backlight control and full cut-off performance; please consult NLS.