

Combining High Luminosity and High Luminaire Efficiency, Everlight's 150W SL-Dolphin Street Lights Wins 「Outstanding Photonics Product Awards 2009」

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Topic:

Industry

[Everlight Electronics Co. Ltd](#) (TSE:2393) recently introduced the SL-Dolphin Street Light series, following two years of research and development. The product series offers a very wide range of characteristics making it best in class, and adds to the growing portfolio of lighting modules from Everlight. This summer, the SL-Dolphin Street Light series was named the 12th most 「Outstanding Photonics Product Awards 2009」 from PIDA (Photonics Industry & Technology Development Association Taiwan). A 150 W SL-Dolphin Street Light will be presented in both Everlight's booths at A924 during Photonics Taipei, Taiwan (6/10~12, 2009) and B02, Hall 3.1 during Guangzhou International Lighting Exhibition in China (6/9~12, 2009).

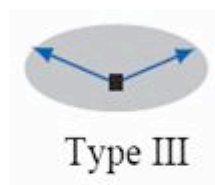
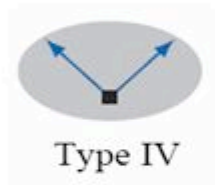
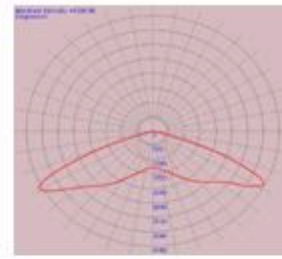
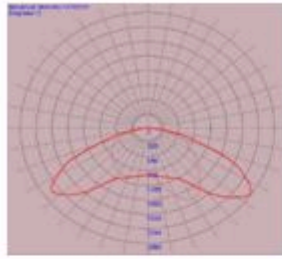


The SL-Dolphin Street Light series can be offered with 60W, 90W, 120W and 150W LED light engine power consumption and is capable of offering very high luminaire light output up to 13000lm. In addition, the series has been tested by authorities and graded as the most efficient street lights. With efficiencies reaching up to 75 lm/W, while installed on 8m poles, they provide improved brightness and high uniformity compared to traditional street lights installed on 12m poles, while offering up to 40% energy savings. Moreover, Everlight offers three different kinds of light engines - Phoenix for type IV light pattern, Trex for type III light pattern, and Venus for type II light pattern - applicable for road widths ranging from 6m to 12m. Everlight is the first in the industry to provide street lights with such a broad selection of light patterns.

Phoenix

Trex

Venus



Application	Parking and roadway Asymmetric wide for parking and road way applications	Parking and roadway Asymmetric wide for parking and road way applications	Roadway lighting, Asymmetric short for streets, pedestrian walkways
Height of Pole	6-8m	8-10m	6-8m
Width of Road	<12m	<12m	<8m
Remarks	High uniformity	High uniformity and improved illumination	High center illumination

Besides street lighting, Everlight's SL-Dolphin Street Light series are also well suited for use in buildings, amusement parks, and parking lots. Compared with conventional street lights, the SL-Dolphin Series offers the following very important features and benefits:

- High brightness lighting module (maximum luminaire light output up to 13000 lm for 150W LED light engine power consumption)
- Unique optimized heat fins and the artistic "Dolphin" shape design integrated as one piece.
- Excellent CRI
- No UV or IR light radiation, but instead special batwing and asymmetrical light patterns that suit various road surface conditions
- 100V~240V AC input for worldwide operation

- High power factor (>99% @110VAC) and high power efficiency provide energy savings compared with traditional street lights
- Water resistance (IP 65) for light engine and PSU, and LED long operation life time improve system reliability
- Wide operation temperature range (-30oC to +50oC) suitable for all ambient conditions
- UL, ENEC, and CNS Certifications in progress
- Pb-free and RoHS-compliant devices meets green environmental initiatives
- Easy installation and easy upgrade

These combined features provided by Everlight's world class SL-Dolphin street lights allow streets, buildings, and other outdoor areas to look brighter and more aesthetically pleasing while saving energy. The SL-Dolphin street lights combine the widest and best light pattern, circuitry, heat resistance and exterior shape providing for a wider margin of safety and lower energy consumption.



Everlight SL-Dolphin Street Lights

Bitan Scenic Area, Sindian, Taiwan

Excellent Light Pattern presented

Shandong Industrial park, Shandong, China