

Everlight expands capacity for LED fine pixel-pitch displays

Shulin, New Taipei City [2016.10.21] –EVERLIGHT ELECTRONICS CO., LTD. [TSE:2393] , LED packaging service provider Everlight Electronics, in view of fast growing demand for fine pixel-pitch LED display panels, has expanded monthly production capacity allowing it to package one billion chips for such panels from the previous 600 million, according to the company.

Being the global leader in the fine pixel-pitch LED segment, Everlight said it fully utilized its production capacity for such displays in first-half 2016 and expects the revenue proportion for the product line to rise from 8% in 2015 to 12% in 2016.

The mainstream pixel-pitch of such panels has decreased from 2.5mm in 2015 to 2.0mm currently and pixel-pitches below 2.0mm entail use of 1010 (size specification) or 0808 or even 0606 and 0505 LED chips, Everlight indicated. The mainstream pixel-pitch is expected to keep decreasing to 0.8mm in 2020.

Since pixel-pitches of 2.0mm and 1.0mm necessitate use of 250,000 LED chips and one million units, respectively, per square meter of the panel, suppliers have to offer highly stable and consistent products to avoid high costs of replacing components, according to industry sources.

There will be global demand for 141.3 billion LED chips used in fine pixel-pitch panels in 2016 and the demand will increase by 39 billion chips annually in both 2017 and 2018, the sources cited LEDinside as indicating.

In addition to Everlight, China-based LED packaging service providers MLS and Foshan Nationstar Optoelectronics are expanding production capacity for fine pixel-pitch displays, the sources noted.