

## PRODUCT NEWS

**EVERLIGHT launches 3030CLU(AM) Series for exterior automotive applications**

*AEC-Q101-qualified, MSL1-compliant high-power LEDs in a Golden High Reflective Package correspond to different applications*

**Shulin, New Taipei City 【2016.05.19】** –EVERLIGHT ELECTRONICS CO., LTD. 【TSE:2393】 , a leading player in the global LED and optoelectronics industry, presents four new ceramic high reflective packaged high power automotive LEDs with a Golden Lead Frame in four different colors White, PC-Amber, Red and Super Red, according to their preferred exterior applications.

3030CLU-NP (White) features a cool color temperature of 5180-6680K which makes it especially suited for DRL. Version 3030CLU-UY (PC-Amber) is recommended for turn indicators and tail lights. As for CHMSL, brake lamps and rear combination lamps, EVERLIGHT introduces red and super red color options. Both 3030CLU-URR (Red) and 3030CLU-USR (Super Red) with a wavelength of 612-624nm and 627 -639nm respectively provide a high luminous flux @350mA. 3030CLU-USR (Super Red) is based on European OE's preference and provides an even more vivid, thus easier to recognize red color, which is also expected to help reduce car accidents.

EVERLIGHT's 3030CLU(AM) Series with a compact size (3.0x3.0x0.8mm) and a wide viewing angle of 120° is offered in a golden high reflective package. Using a ceramic substrate results in lower costs and a low thermal resistance of less than 7°C/W for an optimized heat management. A further benefit is a junction temperature of up to 150°C (Tj150°C) and still keeping good performance. Usual 3030 packages are destroyed at this temperature, whereby EVERLIGHT's 3030CLU(AM) is even more perfectly suited for demanding exterior automotive applications. A golden lead frame improves sulphur resistance.

EVERLIGHT 3030CLU(AM) LED packages have passed qualification according to AEC-Q101 and comply with the highest MSL standard MSL1. The MSL (moisture sensitivity level) is an electronic standard for the time period in which a moisture sensitive device can be exposed to ambient room conditions. That 3030CLU(AM) passed MSL1 means it is considered as being not moisture sensitive in any possible circumstances, does not require dry packing and thus is suited for an unlimited storage period until mounting. The devices are also ESD protected for voltages up to 8KV.

The professional R&D, sales and marketing team of EVERLIGHT is always on a quest for innovations and technical breakthrough. In the automotive industry, there is a clear trend that the market penetration rate of LEDs for exterior automotive application is expected to increase significantly. Especially prone for growth

are high power automotive LEDs. EVERLIGHT always focuses on what the clients need and provides one-stop optoelectronics solutions for every need.

EVERLIGHT is committed to a complete set of management system certifications, including TS-16949, OHSAS 18001, ISO 14001 for production quality. All automotive products comply with AEC-Q101 (Automotive Qualification Requirements for Discrete Product) and other highest criteria. With ever increasing demands on LED automotive applications, EVERLIGHT has cooperated with major car lamp manufacturers for premium designs that fulfill top LED product demands, winning great trust in the OE market by public.

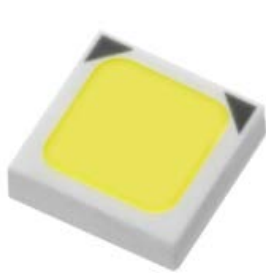
**Sample Available:** Yes. (Upon request)

**Mass Production:** Q2, 2016

More information or data sheet for this product upon request: Please contact your local EVERLIGHT sales office. Local sales information: [www.everlight.com](http://www.everlight.com).

EVERLIGHT is fostering close relationships between their R&D, Sales and Marketing teams to meet and exceed their customers' expectations in both product offering and technology. EVERLIGHT provides a great variety of customers with total solutions for their different optoelectronics and LED applications.

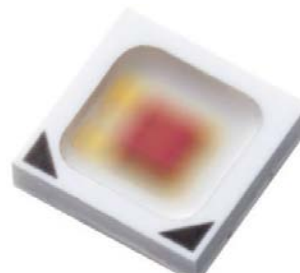
**Product images:**



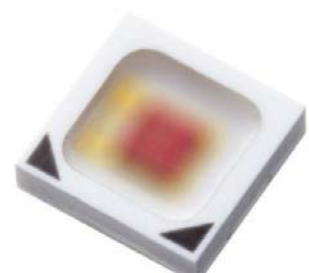
3030CLU-NP(White)



3030CLU-UY(PC-Amber)



3030CLU-URR(Red)



3030CLU-USR(Super Red)



**Caption:** The respective colors of EVERLIGHT's 3030CLU(AM) Series correspond to different applications (Structures and materials depend on demand of client).

**Source:** EVERLIGHT Electronics

### About EVERLIGHT Electronics Co. Ltd.

EVERLIGHT Electronics Co., Ltd. was founded in 1983 in Taipei, Taiwan. Led by Chairman Robert Yeh. EVERLIGHT has over 33 years of R&D experience for reliable capability. With immediate service and an excellent brand reputation, EVERLIGHT has taken top five in the competitive LED market. Our products are manufactured and packed in-house to guarantee maximum quality and service. EVERLIGHT provides a diverse product portfolio consisting of High Power LEDs, SMD LEDs, Lamps, Lighting Components, LED Lighting Modules, Digital Displays, Optocouplers and Infrared Components for various applications. Today, EVERLIGHT is a global company with over 6,400 employees based in China, Hong Kong, Japan, Korea, Singapore, Malaysia, India, Germany and U.S.A.

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