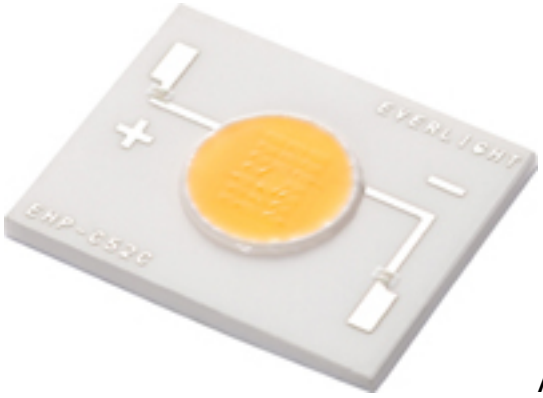
Chip-on-board LED series suitable for directional and decorative applications



Adding to the performance and popularity of EVERLIGHT's 6.4W and 8W Chip-on-Board (COB) LED series, one of the highest CRI and highest efficiency COBs on the market, EVERLIGHT ELECTRONICS CO. announces the brand new and smaller C52 COB LED series which is perfectly suitable for directional and decorative applications such as MR lamps and P35 bulbs in the Light Fair International USA 2012.

For these types of applications, an LED light source must exhibit compact size, high efficiency, sufficient lumen output, high CRI, high color uniformity, and proper light distribution to maintain a comfortable and uniform lighting environment – all at consumer acceptable prices. With its new C52 COB Series, EVERLIGHT ELECTRONICS has created the other ideal LED to address major challenges posed when designing a retrofit like MR, GU or candelabra type: minimum efficiency requirements, thermal management in limited space, and complexity of design.

EVERLIGHT's COB series is a 3.7W multi chip, ceramic substrate based LED that boasts a low thermal resistance (Rth <1.8°C/W) and superior efficacy of 100lm/W at 3000K CCT and high CRI (>80Ra). It will be available not only in ANSI 3000K CCT but in all Energy Star / ANSI color temperature ranges. Mechanically, the C52 COB series can be mounted directly on heat sink eliminating the SMT process. This provides more direct thermal dissipation, ease of assembly, and lowering of the system cost in lighting applications.

EVERLIGHT C52 Series is using the standard DC chips configured in series and parallel to provide the most convenient driving conditions for existing driver designs. Also, with a ceramic substrate, users can have higher reliability and better thermal dissipation. The C52 Series also can achieve the low cost of industry target, >400lm/$ for a COB LED light source. This is a superb single emission area COB LED that needs to be used.

EVERLIGHT's C52, a new Chip-on-Board LED Series is an ideal light source for directional and decorative LED replacement applications.

At Light Fair International USA 2012, EVERLIGHT also presents other types of High Power and Low / Mid Power series with different power consumptions to satisfy the fast-growing market of general lighting. EVERLIGHT is fostering closer working relationships between our R&D, Sales and Marketing teams to meet and exceed our customer's expectations in both product offering and technology.

www.everlight.com [1]

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