

LEXTAR ELECTRONICS

隆達電子

# Lextar

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## TAIWAN'S ONLY LED "VERTICAL INTEGRATOR"

Lextar Electronics is the biggest LED supplier in Taiwan for panel application, and it is one of the members of AUO BenQ group. In the panel industry where scale and cost matter, manufacturers' arrangement in LED backlight source are mostly building their own supply chain, and pursuing economy and efficiency. By vertical integration, this can also control product quality, and rapidly respond to market demands. For AUO, only by creating its own LED supplier can it improve its competitive strength, which is also known as vertical integration, and Lextar is the only Taiwanese company that runs "vertical integration" business mode in LED industry. The advantage of vertical integration is fast connecting in messages, simplifying process, therefore not only improves efficiency, but rapidly supports clients' needs. On the production side, the advantage of vertical integration can keep company less affected by the market fluctuation.

## DCOB LED LIGHT ENGINE

This year, Lextar, the vertical integration manufacturer, launched the latest DCOB (Driver on COB) light engine, integrating the driver on COB. Because it is directly powered by alternating current, all it needs is plug and play. Moreover, by eliminating electrolytic capacitor, the life time of the light engine is highly improved. Lextar's DCOB adopts its in-house High Voltage chip and HV LED, and can greatly improve its reliability. Lextar's DCOB light engine integrates optical and electrical technology on one module, therefore has the character of compact size, easy to use, and providing design flexibility. It is suitable for spotlight and tracklight. Lextar's DCOB series are convenient for luminaire manufacturers when replacing COB light source without switching cost, and Lextar can provide customized services for different clients. Because traditional lighting manufacturers are constrained by lack of technical personnel in the electronic/electric related fields. Thus, they often encountered photoelectric matching problems when integrating into LED. With the photoelectric integrated DCOB light engine, the lighting manufacturers simply need to add the lighting fixture casing to complete the assembly. That not only solves the technical problem of photoelectric matching, but also reduces the lighting assembly costs. Lextar also released the complete series of AC-in Driver-on-Board Modules including a circular DOB for ceiling or flush light or downlight, DCOB for tracklight or spotlight, Linear DOB for streetlight or panel light, that are suitable for a variety of indoor, outdoor and different power lighting applications. The complete series of light engine has many characteristics including but not limited to one-piece compact design, small in size and long lifetime, to provide the traditional lighting customers with the most convenient application of LED photoelectric solution.

### LEAFIA, THE ULTRA LIGHT LED PANEL LIGHT

Lextar's recent launched LEAFIA panel light, named after its leaf-like thinness, has broken through the barrier of luminaire. Adopting edge-lit LED technology, LEAFIA has reduced thickness by over 80% to reach 8mm, creating a sense of lightness and loftiness when hung from the ceiling. Lextar has taken its backlight technology up to a whole new level, using light guide plates with a special microstructural optical design to overcome the space constraint of mixed lighting. The result is soft, smooth lighting with ultra low glare of UGR < 19 suitable for the office or reading room. LEAFIA 's simple and low-key style helps it blend in with various types of interior design, and with its appealing seamless frame finish, LEAFIA is a work of art integrating wisdom in optics, mechanics, aesthetics, and craftsmanship, and therefore is well worth the applause by the Japan design industry.

### CLEAR POSITIONING; CO-OPERATION WITH ITS CLIENTS

Lextar will focus on OEM and ODM in the future LED lighting finished products,, rather than competing with our customers. Lextar provide its strongest LED technology know-how and manufacturing capability to the lighting clients. The advantage of Lextar is its advanced vertical integration, knowing well on LED application market, working with research institutes inside and outside Taiwan, cooperating with strategy partners, we will keep enhancing current skills and developing new, striving on epitaxies, grain production, sealing and module technology's integration, giving our clients most satisfied solution and marketing advantages.

