

Energy-saving illumination with high-efficiency LEDs in the world's top class.

High-intensity, High-efficient Sunshine LED

Feature

- Requires only 1/3 of the power consumption of fluorescent lamps, thus greatly reducing the quantity of CO₂ emissions.
- Lasts 40,000 hours, the life of which is five to six times as long as that of fluorescent lamps, thus greatly reducing the number of maintenance steps.
- Mercury-free products because no fluorescent lamps are used.

Overview

(Technical principles, actions, etc.)

With the integration of IDEC's unique multi-chip mounting technology, lambda converter as internationally patented wave-length conversion technology, and white LED production technology, the IDEC Sunshine Series as a high-intensity white LED in the world's top class was developed in the shape of an ultrathin-profile device that ensures a wide range of applications. This LED attains a luminous efficiency of 70 lm/W or over with a color temperature of 6000K±1000K.

- ① Application to machine tools, control panels, and other industrial LED illumination units.
- ② Application to office illumination apparatus (with modules provided). The LED illumination of IDEC's entire sales office demonstrated the excellent performance of the Sunshine Series.



Application Expansion of IDEC Sunshine LED

Applicable field
Various types of machine tool lighting apparatus, in-panel lighting devices,
factory lighting apparatus, office lighting apparatus, and other lighting systems

Water

Energy saving/Energy recovery

Energy storage/Energy creation

New energy

Waste disposal/
Recycling/
Resource saving

Air

Soil

Other

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*Note: This publication introduces examples of technologies and products believed useful towards solving environmental and energy issues. In no way does it constitute guarantees concerning their transfer or sale.