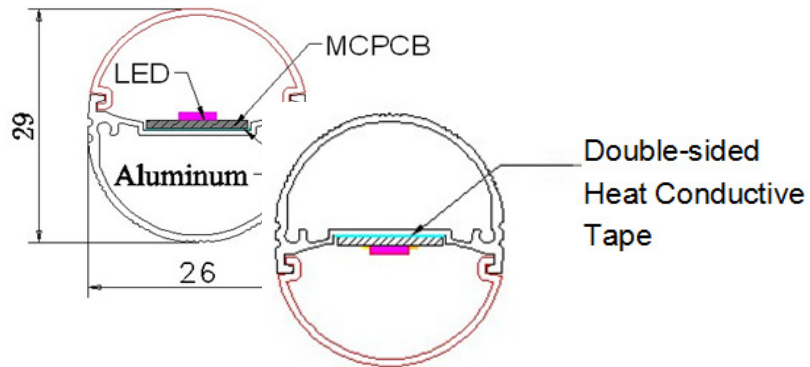


Why DD Tech's LED Tubes Stand Out

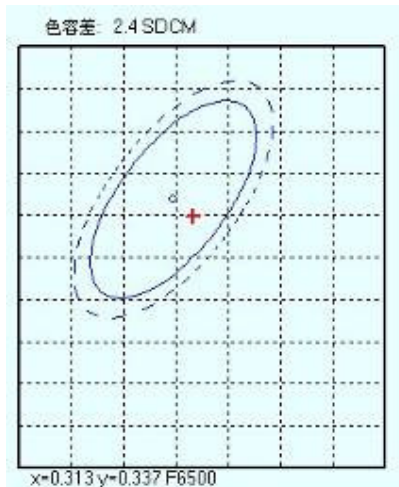


1. General

DD Tech's LED tube consists of a PC cover, LEDs, an MCPCB, double-sided heat conductive tape, aluminum housing as well as a driver.

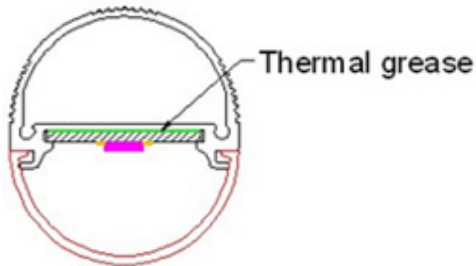
2. Outstanding Features:

- 1). Super-bright with up to **100lm per watt**; save as much as 60% energy than conventional fluorescent tubes or 80% than that of incandescent lamps;
- 2). LED: Taiwan **Chimei** chip, made with *Intematix* phosphors and *Dow Corning* adhesive, highly reliable with low light decay and small color tolerance adjustment;



- 3). **SGS certified** MCPCB, high thermal conductivity rated 1.0, and fire protection rated 94-V0;
- 4). Driver: specially designed for LED light, enjoys high efficiency and outstanding **PF (>0.95)**;
- 5). PC Cover: made with **TEIJIN** (Japanese brand) diffusant, no dirty dots, no strips, no yellowish aged look, enable the tube to deliver soft, comfortable and uniform light; recessed into the aluminum housing to avoid caving or falling out, firmer and safer.

6). Use double-sided **heat conductive tapes** with strong adhesion (instead of thermal grease) to firmly attach the MCPCB against the aluminum housing, increase heat dissipation areas and remain small thermal contact resistance.



V.S.

(Note: Thermal grease is without adhesiveness. Therefore when the tube is installed, the MCPCB with LEDs tends to fall (downward) away from the aluminum housing due to gravity. Double-sided heat conductive tape, on the contrary, can attach the MCPCB firmly against the aluminum housing, so that heat generated from the MCPCB can actually be dissipated fast via the aluminum housing.)

An Important Issue: Temperature Rise

Our LED tubes show low temperature rise while working. Normally speaking, if the junction temperature of the LEDs can be kept lower than 50°C, they have longer lifetime and much less light decay.

	Environment	Test Point 1 (Housing)	Test Point 2 (Pin)	Junction Temp.
Temp. (°C)	30	42	44	48

