



Each Easy LED module is 9" long and 3" wide and weights only 70 grams (2.5 ounces) with a versatile mounting bracket that makes it easy to be used at different applications.

One of most favorable application is drop ceiling panel light, which has been wildly used at working environments, such as kitchen, office or shops. Unlike the relax, cozy atmosphere for most area of our homes. Working environment needs bright clear lighting from all directions so we can see what we are working on, or cooking with. Up to now, drop ceiling panel light mostly uses fluorescent light tubes behind a diffuser cover. The problem is, fluorescent light tube is not that energy efficiency. Compare to LED lights, fluorescent light use 20% more energy, and because of its 360 degree light nature, about half of its light got wasted unless the lamp have a very good reflective back side.



Typically, we can replace ceiling fluorescent light with LED light of half the wattage. To do that, you can choice LED tubes or LED modules.

Each LED Tube is considered as a self ballasted lamp. It has LED chips mounted on a long strip of PCB with driver circuit behind them. There are many components all packed inside a narrow long tube. The original thinking was to be a drop in replacement for fluorescent light tubes; but at reality, installer need to bypass fluorescent ballast otherwise it's a 10% energy waste right there. Trapped heat is another problem for the thin tube, need to be carefully managed, otherwise life spam of LED and driver circuit is going to be compromised.



Easy LED module, on the other hand, is mounted in the open, module or LED is working at much lower temperature. Its heat dissipation is so good that a standard 15watt module can take 30 watts of load and work sustainably. Of course we don't recommend such a usage; just let you know that it can take such.

The installation is easy too. The kit uses double sided tape for mounting. The double sided tape provided on the back of module works up to 400 degree Fahrenheit and it's 3 times stronger than the double sided tape you find at Office Depot; the only catch is: it needs couple hours of dwell time for the adhesive to cure, before that just keeps the light off to avoid heat up. For instance usage, use screw to fasten modules.

The free style of installation give more freedom to light design; one can fit Easy LED modules into any shape of ceiling panel light, without bound to replace fluorescent tubes 1:1.

The other disadvantage of LED tube is that they are constant light output. Today in most office space, fluorescent lamp usually has two brightness levels controlled by two switches. By converting to LED tubes, you lose that feature; yet with Easy LED module, the light output level is controlled by LED driver. There are even kits designed to have dual output levels just like fluorescent lamp does.

