

## The Evolution of the LED TUBE

### 1st generation LED tube

- 1) The tube is all around PC material, although it is very strong, and you can nearly stand on the tube with your feet. There is no heat radiation material, all the heat is inside the tube. Causes a problem with heat radiation;
- 2) The tube is a normal 5mm LEDs
- 3) The cover is clear, and you can see the LEDs clearly;
- 4) Driver below the PCB with the LEDs is very hot;
- 5) PF value around 0.50

### 2nd generation LED tube

**(This was the first generation LED tube made by some suppliers):**

- 1) The cover is a PC material and the back is aluminum. The aluminum back is better for heat radiation;
- 2) The tube is a normal 5mm LEDs;
- 3) The cover is clear, and you can see the LEDs clearly;
- 4) Driver below the PCB with LEDs is very hot;
- 5) PF value around 0.60.

### 3rd generation LED tube

**(This is the 2nd generation LED tube suggested by Be Off The Grid.com:**

- 1) The cover is a frosted lens. You can not see the LEDs inside the tube;
- 2) The tube is using SMD LEDs for better heat radiation;
- 3) Super strong end cap construction;
- 4) Drivers are on both ends of the tube for better heat radiation;
- 5) PF value around 0.90

We suggest that you can move to the 3rd generation LED tube (which is our 2nd generation LED tube).

### Specifications and Price List

Prices are subject to change and do not include shipping and handling

ITEM NO.: YDT8-0600-BOTG 24-11-2ft  
DESCRIPTION: SMD LED TUBE LIGHT  
SIZE: 602MM (LENGTH) X 26MM (DIAMETER) -- 2 Ft Replacement  
BASE: G13  
LED QUANTITY: 120PCS SUPER BRIGHT SMD LED  
WATTAGE: 8W  
VOLTAGE: AC120V OR AC230V, 50-60Hz  
LUMEN OUTPUT: 600 LUMENS  
COLOR: DAYLIGHT WHITE (6000K), WARM WHITE (3000K)  
PF VALUE: AROUND 0.90

**UNIT PRICE:** USD \$38.00/PC (< 200PCS)  
USD \$36.00/PC (200~1000PCS)  
USD \$34.00/PC (> 1000PCS)

ITEM NO.: YDT8-1200-BOTG 44-20-4ft  
DESCRIPTION: SMD LED TUBE LIGHT  
SIZE: 1212MM (LENGTH) X26MM (DIAMETER) – 4 Ft. Replacement  
BASE: G13  
LED QUANTITY: 288PCS SUPER BRIGHT SMD LED  
WATTAGE: 18W  
VOLTAGE: AC120V OR AC230V, 50-60Hz  
LUMEN OUTPUT: 1200 LUMENS  
COLOR: DAYLIGHT WHITE (6000K), WARM WHITE (3000K)  
PF VALUE: AROUND 0.90

**UNIT PRICE:** USD \$64.00/PC (< 200PCS)  
USD \$62.00/PC (200~1000PCS)  
USD \$60.00/PC (> 1000PCS)

As regard to the UL certificates, we are sorry right now it is nearly impossible to get UL certificates for LED tube light.

- 1) LED tube light is newest product, the UL standard for such product is not yet completed yet;
- 2) Normally the installation of LED tube requires people to take off the starter and electronic ballast on the fixture.
- 3) After taking off the starter or the electronic ballast, the light fixture will fail to get UL approval.