

# Approval Specification

## LED Light Tube Specification

### **LT00518U4BFDCU** **(Build-in LED Driver)**

**DELTA GREEN INDUSTRIAL (THAILAND) CO.,LTD.**

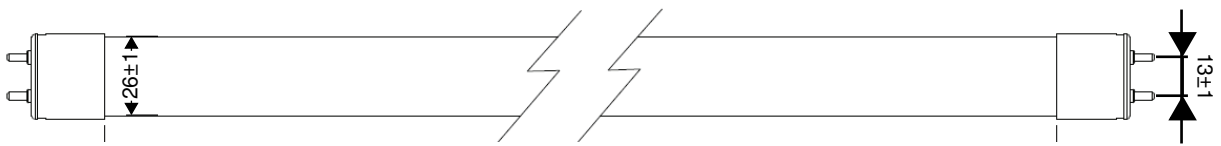
111 Moo 9 Wellgrow Ind. Estate, Bangna Rd. Tambon Bangwua,  
Amphur Bangpakong, Chachoengsao 24180 Thailand

[www.deltathailand.com](http://www.deltathailand.com)

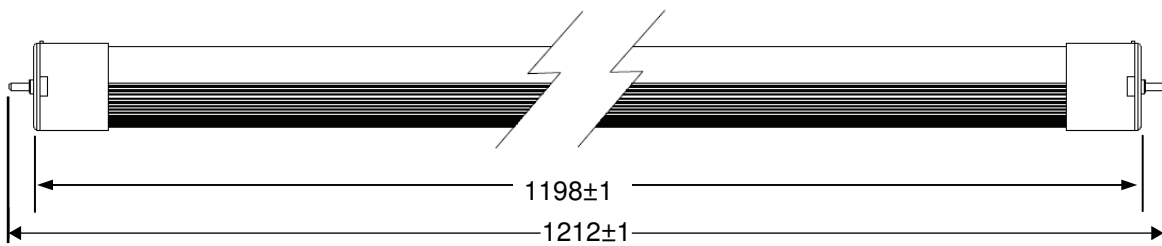
 **OUTLOOK**



3D Birdview



Top View



Side View



Bottom View



## APPLICATIONS

- ↗ Indoor, Dry location
- ↗ House Lighting
- ↗ Office Lighting
- ↗ Store Lighting



## FEATURES

- ↗ System design with integration of power and LED tube light
- ↗ Over 70% lumen maintenance at 40,000 hours
- ↗ Power factor >0.9
- ↗ Apply to T8 luminaire & G13 socket
- ↗ Color Rendering Index, Ra >70
- ↗ Weight 350g



## OPERATION CONDITION

- ↗ Operating temperature: -20 to +50°C
- ↗ Input voltage: 100V-240V AC, 50/60Hz
- ↗ Storage temperature: -30 to +60°C



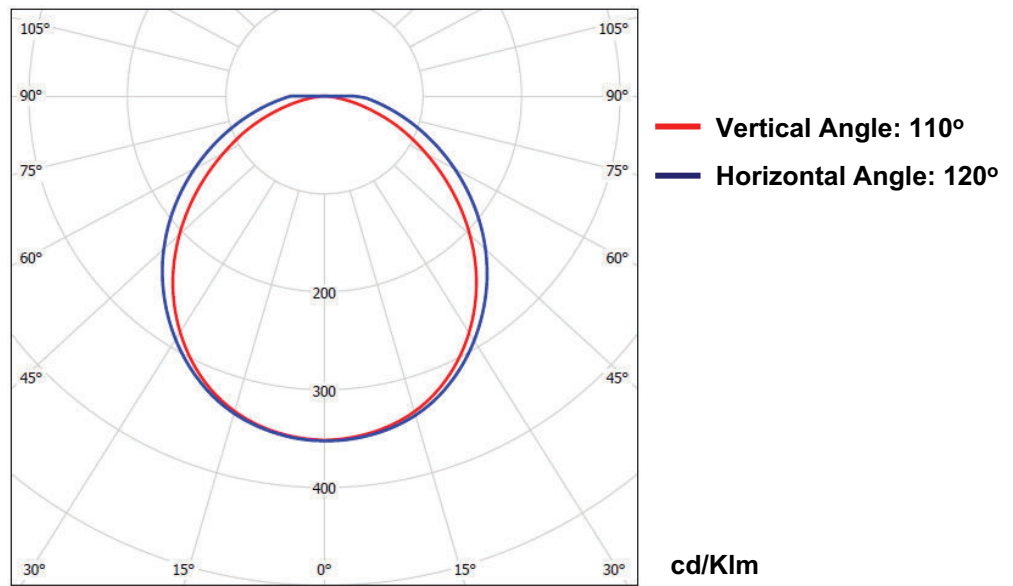
## SPECIFICATION

All the tolerances of these characteristics are  $\pm 10\%$ .

Model	Wattage (W)	CCT (K)	Length L (mm)	Cover type	Lumen (lm)	Lux @ 1M	Lm / W
LT00518U4BFDCU	18(20)	6500	1198	Frosted	1700	350	85

- ↗ White color uniform lighting tube, invisible LED hot spot
- ↗ Isolation LED driver Passed Hi-pot 2500VDC
- ↗ THDi < 15%
- ↗ Electrostatics discharge 800V
- ↗ G13 base beam angle adjustable
- ↗ RoSH Compliance

 **LIGHT INTENSITY DISTRIBUTION, REFERENCE**



 **ILLUMINATION AT CENTER, REFERENCE**

1M	350.0 lx	300 MM
2M	87.5 lx	600 MM
3M	38.8 lx	900 MM
4M	21.8 lx	1200 MM

**Lux at a Distance      Beam Diameter**



## PRODUCT CODE DEFINITION

<b>LT005</b>	<b>18</b>	<b>U</b>	<b>4</b>	<b>B</b>	<b>F</b>	<b>D</b>	<b>C</b>	<b>U</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	

### 1. Series Code

DELTA STANDARD AC TUBE

### 2. Power

18 : 18W±10% (Total Power 20W±10%)

09 : 9W±10% (Total Power 10W±10%)

### 3. Input voltage

U : 100-240V AC

### 4. Lamp dimension

2A : 2 feet (580mm, without pin)

2B : 2 feet (588mm, without pin)

4B : 4 feet (1198mm, without pin)

### 5. Cover type

C : Clear

D : Diffuse

F : Frosted

### 6. COLOR

N : 5000K

W : 3000K

D : 6500K

Y : 5700K

### 7. Features

C : High performance PFC circuit  
Build-in LED Driver

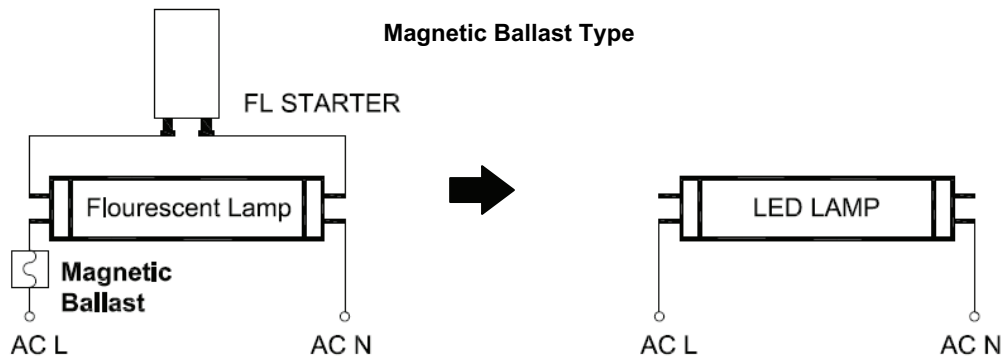
### 8. Safety Mark

U : TIS.1955-2551

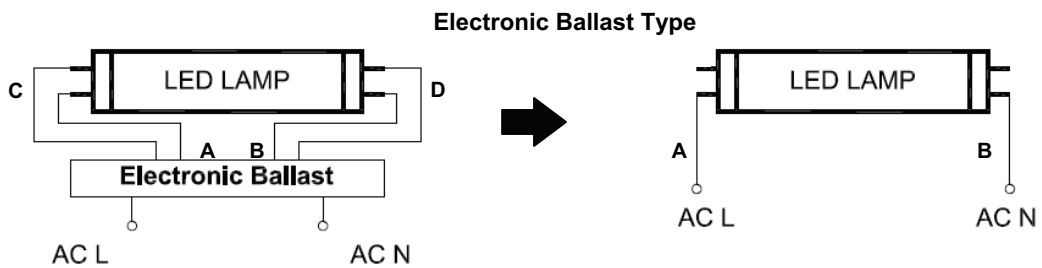


## INSTALLATION , LT005

### MODIFY WIRING INSTRUCTION



1. Switch off electricity, and remove the fluorescent lamp.
2. Remove the magnetic ballast, and short it.
3. Remove the FL starter.
4. Insert LED lamp into G13 socket.
5. Switch on electricity.



1. Switch off electricity, and remove the fluorescent lamp.
2. Remove the electronic ballast.
3. Line A connects to live line, and line B connects to neutral line.
4. Remove line C and line D.
5. Insert LED lamp into G13 socket.
6. Switch on electricity.

### CHECK THE WIRING FIRST AND THEN INSTALL LED LAMP TO G13 SOCKET

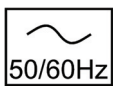


1. Switch off electricity.
2. Remove the conventional lamp.
3. Remove the conventional starter.
4. Insert the LED lamp into the lampholder.
5. Secure the position by turning the 90°.
6. Switch on electricity.



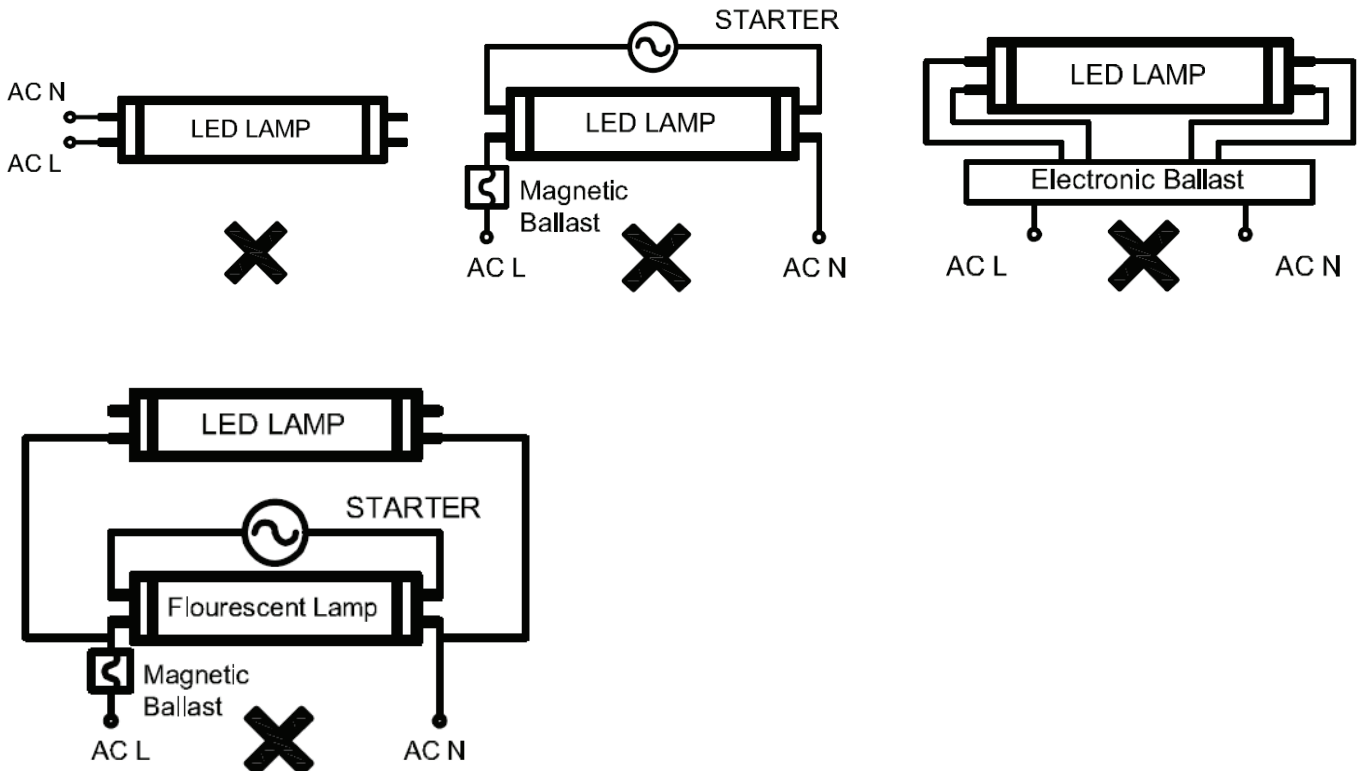
## WARNING, LT005

- ⚡ Lamp suitable for 50Hz or 60Hz operation.
- ⚡ Lamp not suitable for emergency operation.
- ⚡ Lamp can be used in dry conditions or luminaire that provides protection.
- ⚡ Dimming not allowed.
- ⚡ The LED lamp itself and all its components may not be mechanical stressed.
- ⚡ Assembly must not damage or destroy conducting paths on the circuit board.
- ⚡ Damage by corrosion will not be honored as a materials defect claim. It is the user's responsibility to provide suitable protection against corrosive agents such as moisture and condensation and other harmful elements.
- ⚡ Pay attention to standard ESD precautions when installing the LED lamp.
- ⚡ Do not install both "LED lamp" and "Flourescent lamp" at the same circuit.
- ⚡ Do not connect or disconnect under load.



TIS. 1955-2551

## FORBIDDEN





## WARRANTY

- 2 years of the entire system (power, LED tube light) with no mechanical damage under normal operation condition.