




MANUAL OF LED SPECIAL FUNCTION T8 TUBE LIGHT

I. Main Features

1. Energy saving up to 60% in electricity consumption compared with traditional fluorescent tube light.
2. Environment friendly, no UV or infrared radiation, mercury free.
3. Instant on/off without delay, even light distribution, no color degradation, flicker-free.
4. Three types of PC covers available – Frosted, Stripe and Clear covers.
5. Options for T8 tubes with 3-5 hrs rechargeable battery, waterproof and ballast compatible functions respectively.
6. Easy installation, ideal for direct replacement of T8 fluorescent tubes.
7. Maintenance free, extra long lifespan of over 50,000 hours
8. Suitable for applications in parking garage, office, supermarket, hotel, school, hospital and warehouse.

II. Technical Specifications

Pictures.												
Name	Emergency Tube Light			Waterproof Tube Light			Colorful Tube Light			Electro-Ballast Compatible Tube		
Model No.	TA-TL1200-18T8EM			TA-TL1200-18T8WP			TA-TL1200-15T8COL			TA-TL1200-18T8COM		
Order No.	TA-TL 1200-18T 8EM -WW	TA-TL 1200-18T 8EM -PW	TA-TL 1200-18T 8EM -CW	TA-TL 1200-18T 8WP -WW	TA-TL 1200-18T 8WP -PW	TA-TL 1200-18T 8WP -CW	TA-TL 1200-15T 8COL -WW	TA-TL 1200-15T 8COL -PW	TA-TL 1200-15T 8COL -CW	TA-TL 1200-18T 8COM -WW	TA-TL 1200-18T 8COM -PW	TA-TL 1200-18 T8COM -CW
Tube Size	Φ 26×100mm			Φ 26×1200mm			Φ 26×100mm			Φ 26×100mm		
Power	18W			18W			15W			18W		
Input Power	90-265VAC						50/60Hz					
Light Source	288pcs(Samsung 3528)			288pcs (Samsung 3528)			252pcs (Samsung 3528)			288pcs (Samsung 3528)		
CCT	2700- 3700K	4000- 5300K	5500- 6700K	2700- 3700K	4000- 5300K	5500- 6700K	2700- 3700K	4000- 5300K	5500- 6700K	2700- 3700K	4000- 5300K	5500- 6700K
Luminous Flux	1440-1620 lm			1440-1620 lm			1200-1350 lm			1440-1620 lm		
CRI (Ra)	≥70											
Mount Base	G13											
Beam Angle	150°											
IP Rating	N/A			IP65			N/A			N/A		
Battery Hours	2-5 hrs			N/A			N/A			N/A		
Color Ranger	WW/PW/CW			WW/PW/CW			Green/Red/Blue			WW/PW/CW		
Working Temperature	-20℃~50℃(10%~90%RH)											
Housing Material	Aluminum & PC Cover											
LED Lifespan	≥50,000 hrs											

Certificate



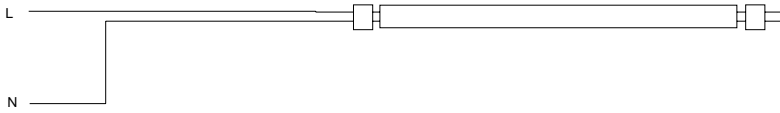
III. Installation Instruction

Single-End-Power-Input LED Tube Light

單端通電燈管佈線圖

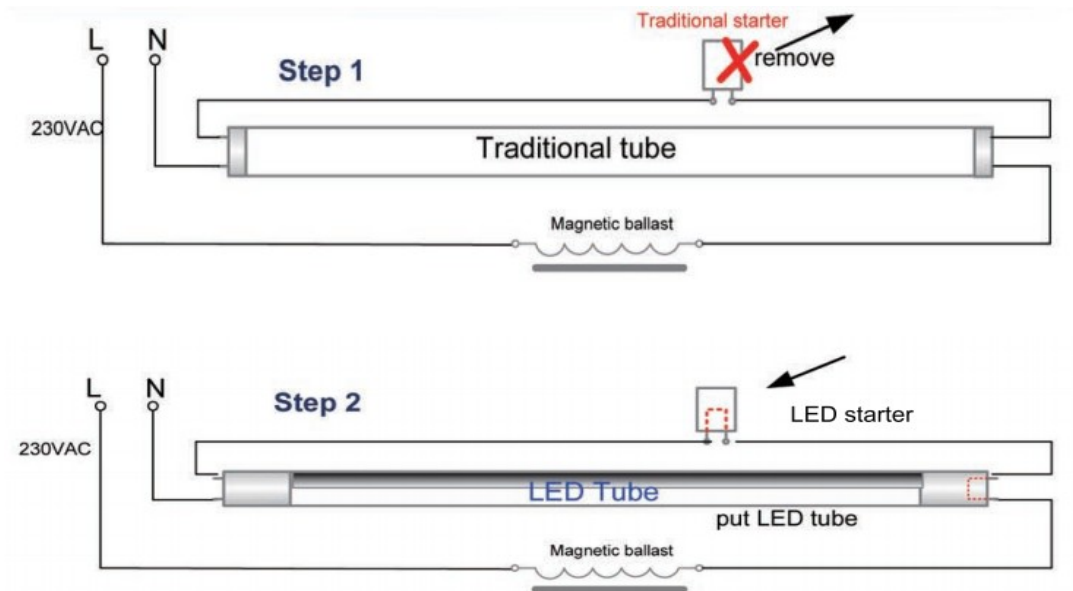
LED Tube Light Wiring Diagram:
 LED 燈管佈線圖:

AC 85-265V Power Input



Installation instructions:
 安裝指南:

- 1) Turn off the electricity supply before installation .
 安裝前請斷開燈座上的電源，嚴禁帶電操作。
- 2) For refitting old fluorescent lamp with a **single-end-power-input** LED tube, please remove the traditional tube
 當用單端通電LED燈管替代時，取下螢光燈管



- 3) For diagram with magnetic ballast & starter, please replace the old starter with LED starter first. Now you can put on the LED tube and turn it on.

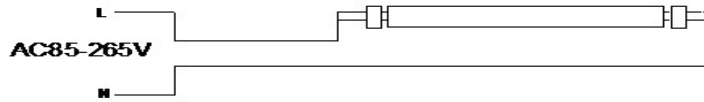
對於使用電感鎮流器的線路,如上圖所示:取下啟輝器後裝上 LED 啟輝器(連接作用),LED 燈管可安裝在原来的 G13 燈座上直接使用

Two-End-Power-Input LED Tube Light

雙端通電燈管佈線圖

LED Tube Light Wiring Diagram:

LED 燈管佈線圖:



Installation instructions:

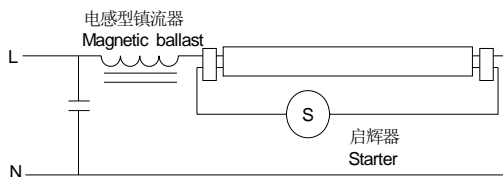
安裝指南:

- 1) Turn off the electricity supply before installation .

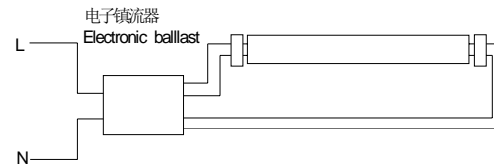
安裝前請斷開燈座上的電源,嚴禁帶電操作。檢查原來螢光燈燈座線路是否符合圖 A1,B1 請按照插圖所示步驟調整。

- 2) For refitting old fluorescent lamp, with a **two-end-power-input** LED tube, please re-connect your wire as the following diagram.

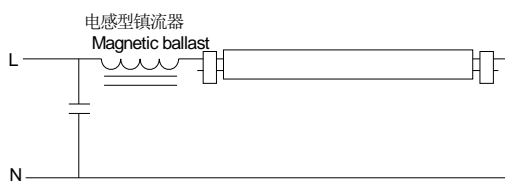
當用雙端通電 LED 燈管替代時，請按照下面 A2 或 B2 電路重新接線



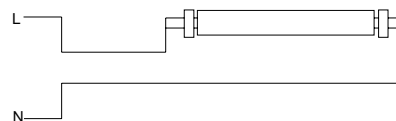
A1



B1



A2



B2

- 3) For diagram A1 loop with magnetic ballast & starter, after removing the starter, LED tube can be installed directly into the G13 base. Then LED tube light is ready to work. And the loop has been changed from A1 to A2.

對於使用電感鎮流器的線路,如 A1 所示: 取下啟輝器後 LED 燈管可安裝在原来的 G13 燈座上直接使用。此時線路改變為 A2。

- 4) You can just keep the magnetic ballast as it was. However, it'll consumer some power. For saving energy, it's still suggested to cut it out if your labor cost is not so high.

電感鎮流器可以保留不動。但它會仍然耗電，如重新接線人工成本不高，建議剪除鎮流器，將其兩端的線接通即可。

- 5) For diagram B1 loop with electronic ballast, please remove the electronic ballast first. Then connect L and N to the two sockets of the G13 base separately. Now your LED tube light is ready to be turned on. And the loop has been changed into the one showed in diagram B2.

對於使用電子流器的線路，如 B1 所示，需移除鎮流器，然後將兩條輸入電線分別接在 G13 燈座兩端上，此時線路改變為 B2。

IV. Applications



Application Instance



T&A - Smart LED Lighting Solution