

## LED T8 Tube Series



**GlacialTech** has unique products in **T8 series LED Tubes**. It uses high power LED including **8-24 W** LED light source series products. It can replace traditional fluorescent T8 tubes with excellent features like long lifetime (min. 35,000 hrs), high luminous efficacy and reduces environmental pollution. T8 tubes can use standard G13 socket to conveniently replaces traditional light source and suitable for use 100-240V AC. The T8 Tubes are used for local lighting, commercial lighting and public area lighting.

**GlacialTech** 的 **T8** 系列使用高亮度 **LED**，其中包含 8~24 W 之系列產品可代替傳統螢光燈，並具備比傳統螢光燈更優良的特性如：使用壽命長(可達 35,000 小時)、高發光效能並具備環保節能特性，燈座可安裝於 G13 之傳統標準規格並適用於 100~240V AC 電壓，主要使用於居家照明、商用空間照明或公共區域照明。

### ➤ Features 特性

- Indoor use only 室內照明專用
- Direct replacement for any traditional fluorescent T8 tubes 可取代傳統 T8 螢光燈
- Power factor > 0.9 for 115V AC; Power factor > 0.8 for 230V AC  
功率因素 > 0.9 (115V AC) ; 功率因素 > 0.8 (230V AC)
- High power driver efficiency > 80% 電源轉換效率 > 80%
- High luminous efficacy LED 高亮度效能 LED
- Non-UV or IR radiation 無紫外線與紅外線傷害
- Compliance with safety standard regulations : EN60968, EN61347-1+EN61347-2-13, EN55015+EN61547, EN60825-1, FCC Part 18  
遵循歐盟安規及北美 FCC 標準： EN60968、 EN61347-1+EN61347-2-13、 EN55015+EN61547、 EN60825-1、 FCC Part 18
- Cool light prevents heat buildup and associated heat degeneration 低溫光可減少環境溫度的上昇
- Energy saving and environment friendly 具環保節能效益

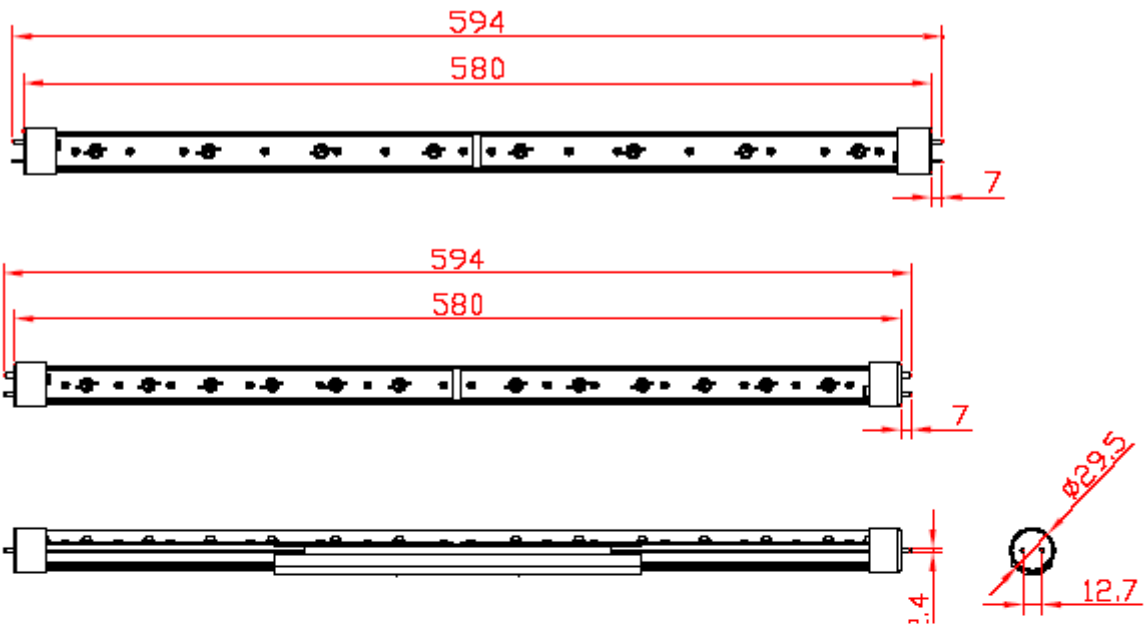


## ➤ Specifications 產品規格

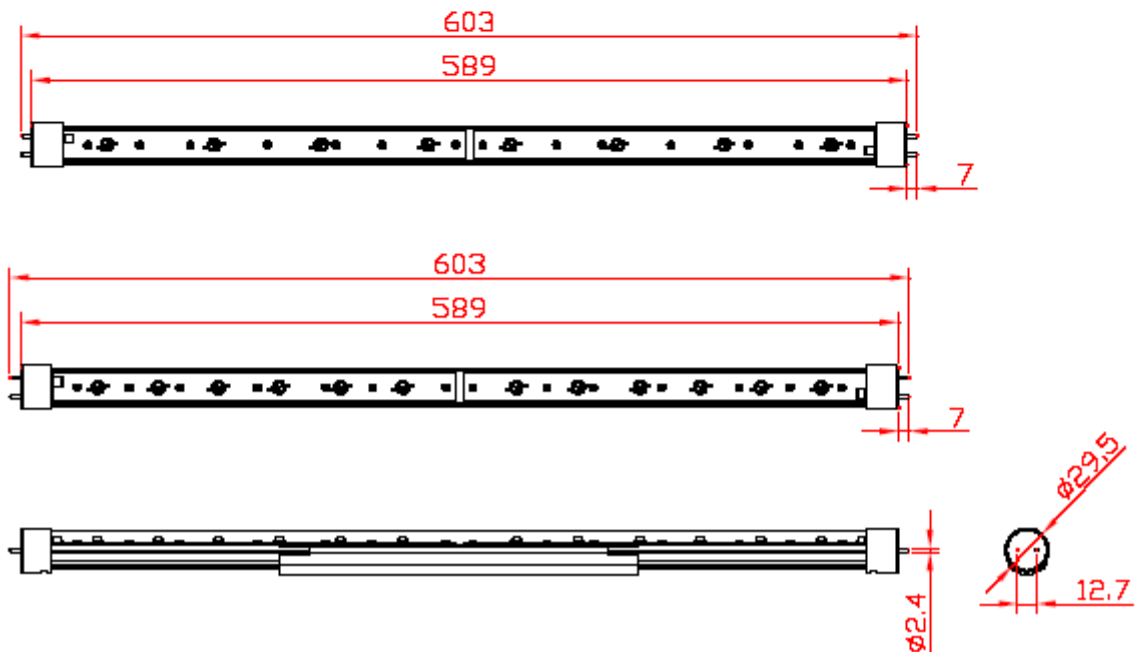
Model No. 型號	GL-T8-8WW	GL-T8-8CW	GL-T8-12WW	GL-T8-12CW	GL-T8-16WW	GL-T8-16CW	GL-T8-24WW	GL-T8-24CW
CCT (Typical) 色溫	3000 K	6000 K	3000 K	6000 K	3000 K	6000 K	3000 K	6000 K
Typical Power Consumption 消耗瓦數	10 W		14.5 W		20 W		29 W	
Luminous Flux (lm) 光通量 (流明)	360 lm	510 lm	540 lm	760 lm	720 lm	1,000 lm	1,100 lm	1,500 lm
Input Voltage 輸入電壓	100-240V AC							
Socket Base 適用燈座型號	G13							
Operation Temperature 操作溫度	-20°C — +40°C							
Typical Luminous Efficacy 發光效能(流明/瓦)	36 lm/W	51 lm/W	38 lm/W	53 lm/W	36 lm/W	50 lm/W	38 lm/W	52 lm/W
CRI 演色性	>80	>75	>80	>75	>80	>75	>80	>75
Beam Angle 光束角	120°							
Warranty 保固期	3 Years							
Applications 應用	Local Lighting/ Commercial Lighting/ Public Place Lighting 居家室內裝潢/ 商業空間/ 公共空間照明							
Outline Dim. 外觀尺寸(公厘)	2-fit Type 1: $\phi$ 29.5*580 (mm) 2-fit Type 2: $\phi$ 29.5*589 (mm)				4-fit Type: $\phi$ 29.5*1198 (mm)			
Net. Weight 淨重(公斤)	0.41 (Kgs)				0.85 (Kgs)			
Package 包裝方式	24 Boxes / 2 Packs / Carton				12 Boxes / 2 Packs / Carton			
Box Dimension/ Weight 盒裝尺寸(公厘)/ 重量(公斤)	L=242*160*670 (mm) / 11.1 (Kgs)				L=176*130*1300 (mm) / 10.7 (Kgs)			

# Dimensions 尺寸

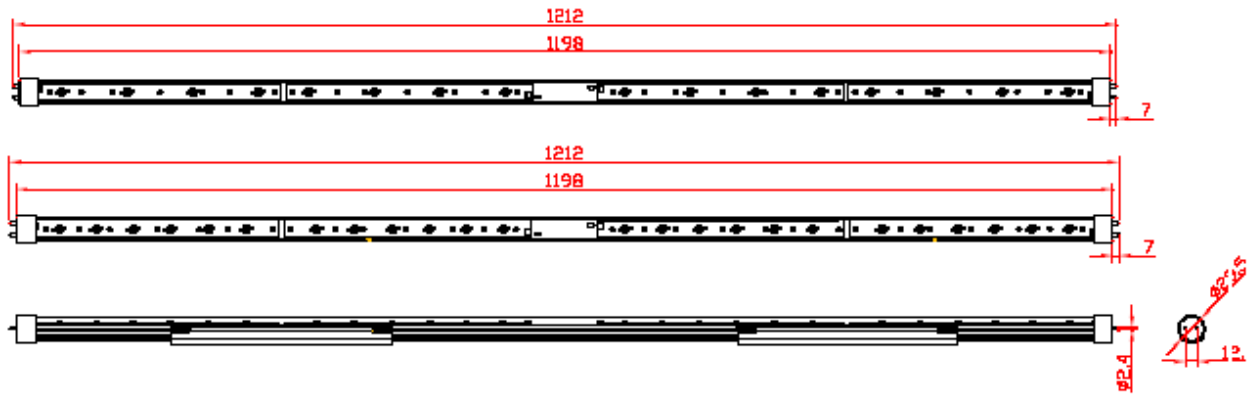
## ■ Type 1: 2-fit 2呎 (T8-8/ T8-12)



## ■ Type 2: 2-fit 2呎 (T8-8/ T8-12)



■ 4-fit 4呎 (T8-16/ T8-24)



➤ Energy Saving & CO<sub>2</sub> Reduction Comparison Table 節能減碳比較表

Type	Traditional Fluorescent T8	GL-T8 (LED)
Ballast Type	Traditional starter (with noise)	No need
Luminous (lm)	1,050 lm	720-1000 lm
Power Consumption 4-fit	40 W	20 W
Power Factor	55-60%	>90% for 115 Vac; >80% for 230 Vac
Typical Luminous Efficacy (lm/W)	27 lm/w	36 lm/W for Warm White 50 lm/W for Cool White
Mercury	Yes	No
Lifetime (hrs)	4,500 ~ 6000 hrs	35,000 hrs
Average light up hours / day	12hrs	12 hrs
Typical Power Consumption(=A)	40 W	20 W
CRI	>60	>75 for Cool White >80 for Warm White
Typical Power Consumption per year (12hrx365day/KWh)*A=B	176 kW	88 kW
CO <sub>2</sub> Quantity (Kgs/year) (0.637*B=D)	113 Kgs	57 Kgs
Energy Saving Rate (Compare with T8 tube)	50%	

 CO<sub>2</sub> calculation reference IPCC guide=0.637 CO<sub>2</sub>/KWh (Taiwan)