

LED Panel Light

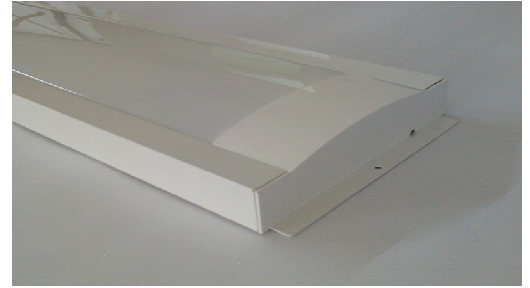
Context

1. 特色 Feature.....	3
2. 產品檢視 Product Overview.....	3
3. 產品編碼原則 Naming Norms.....	3
4. 產品規格 Product Specification	4
4.1 電器特性規格 Electronic Characteristic.....	4
4.2 機構尺寸規格 Mechanical Characteristic.....	5
4.3 光學特性規格 Optical Characteristic.....	6
5. 信賴性特性規格 Reliability Characteristic.....	7
5.1 環境特性 Environment Characteristic.....	7
6. 安裝說明 Installation.....	8
7. 注意事項 Note	8
8. 緊急狀況處理 Emergency.....	8
1. 無法正常啟動 No work	8
2. 冒煙、異味、閃爍或異音 Smoking, Stink, Twinkle or Noise	8
9. 包裝方式 Packing	9

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1. 特色 Feature

- 低電磁輻射波
Low electromagnetic radiation wave
- 冷光無熱輻射
Luminescence without heat radiation
- 不含汞，環境保護
No mercury to protect environment
- 無閃爍現象，不傷眼睛
No flicker, no eye injury
- 無 UV 或 IR 光，對人體無害
No UV or IR light, not harmful to people
- 定電流設計，確保燈具長久使用
Constant current design to ensure long-term use of lighting
- 省電高效率、安裝簡便，可取代傳統輕鋼架照明燈具
High efficiency in saving power, easy to install and can replace the traditional light steel frame lighting



2. 產品檢視 Product Overview

- 內建主動式高功率因子電源設計，使整體節能效果明顯提升。
Built-in Active High power factor power supply design, significantly improved the overall energy-saving effect
- 直下式照明設計使光源有效運用不會產生無謂的損耗浪費。
Direct lighting design makes effective use of light source and does not produce unnecessary waste
- 面框材質為PC與鋁擠型鏡面烤漆，提升安裝後的整體美感。
The frame material is made by the PC mirror with aluminum extrusion baking to enhance the overall aesthetic after installation
- 反射鏡為高純度鋁製品鏡面粉體烤漆及強化霧面效果防止眩光。
The reflector is the high-purity aluminum powder paint, enhancing matte effect to prevent glare
- 內建式全電壓電源供應器並搭配快速接頭，使安裝上更為簡便。
Built-in full-voltage power supply and with quick connectors to make installation easier
- 適用場所 室內場所，大廳，會議室，餐廳，辦公室 陽台等。
Application places: indoor places, halls, meeting rooms, restaurants, offices, balconies, etc.

3. 產品編碼原則 Ordering Code

$\frac{GSX}{(1)} \quad \frac{X - X}{(2) (3)} \quad \frac{XX - XXP}{(4) (5)} \quad \frac{XX}{(6)} \quad \frac{XX - XX}{(7) (8)}$

- | | |
|-------------|-------------|
| (1) 型號 | (5) LED 流水號 |
| (2) 燈具外觀 | (6) 燈具總瓦數 |
| (3) 出光顏色 | (7) LED 色溫 |
| (4) 使用LED亮度 | (8) 特殊要求 |

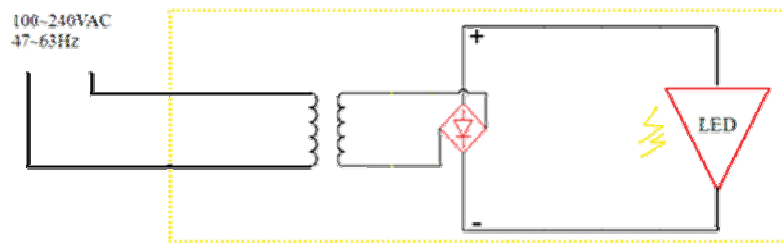
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4. 產品規格 Product Specification

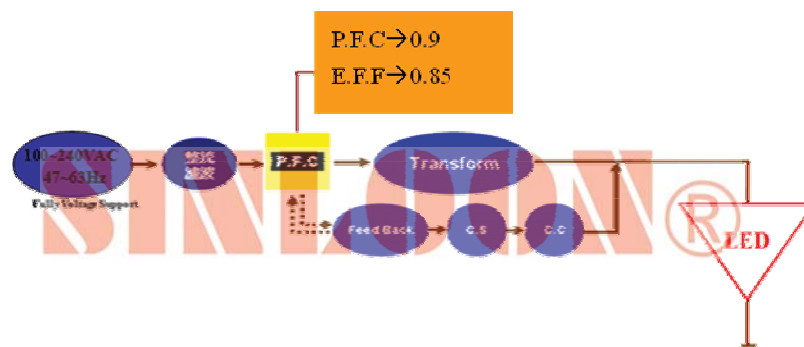
4.1 電器特性規格 Electronic Characteristic

Item	GSP
輸入電壓 Input Voltage	Voltage=100~240VAC / Frequency=47~63Hz
功率因素 Power Factor	>0.90 @115Vac , >0.90 @230Vac
LED 顆數 LED Quantity	245Pcs
消耗功率(LED) Power Dissipation(LED)	0.07W
抗靜電能力 Electrostatic Discharge	±4 KV(HBM)
消耗功率 Power Consumption	< 18W

TSPL6014-S6 方塊圖 The Device Diagram

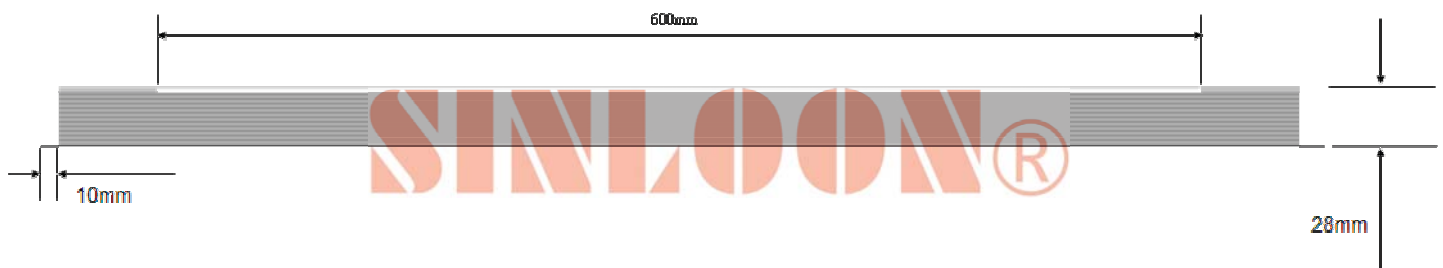


電源模組方塊圖 The Power Module Diagram



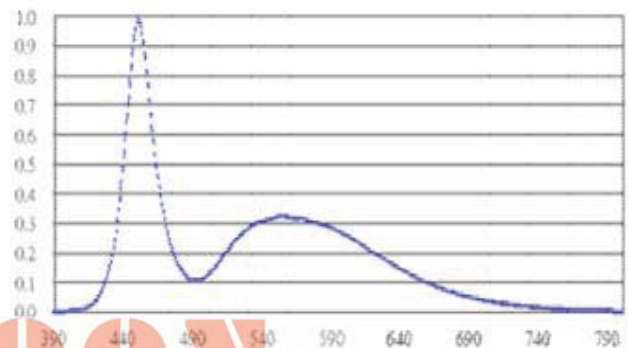
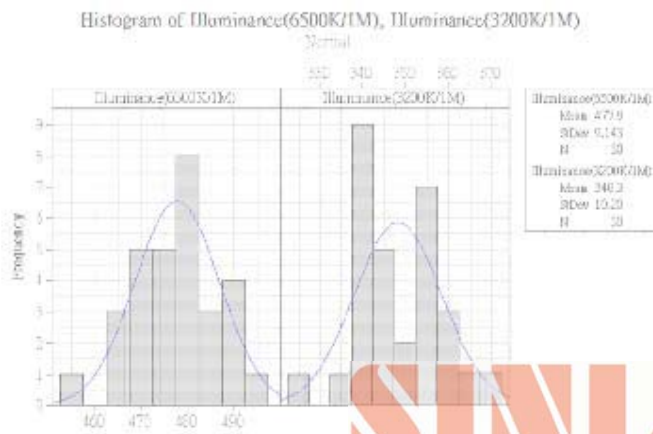
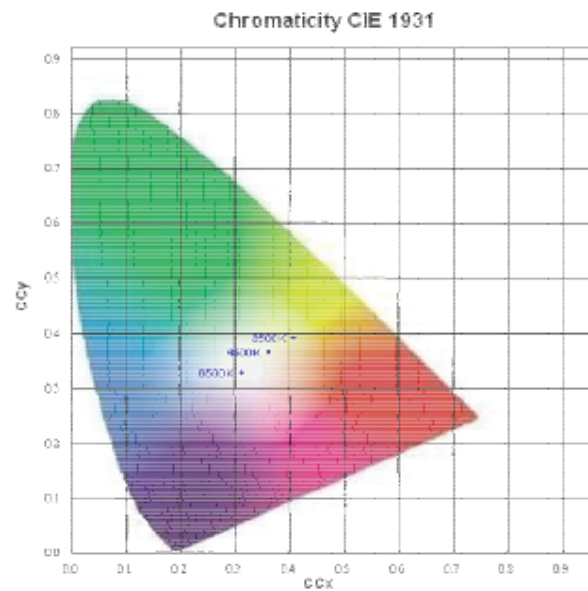
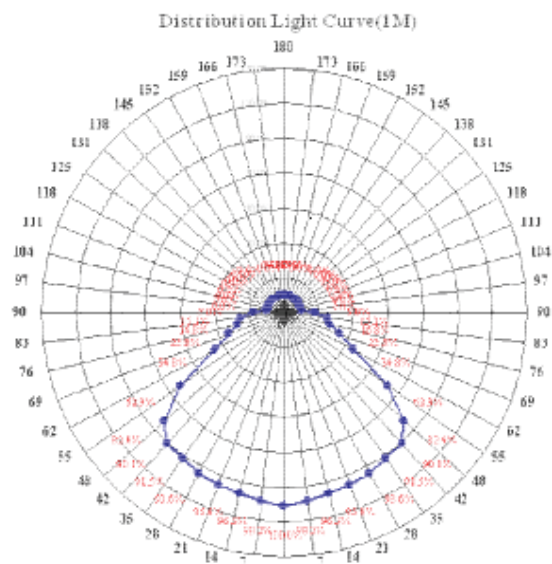
4.2 機構尺寸規格 Mechanical Characteristic

Item	GSP
LED 封裝型態 LED Package Type	Rectangle white 3 × 2mm P-LCC-2 Package with Silicone Resin.
LED 封裝技術 Package Technology	InGaN
鋁擠型材質 Heat-Sink Specification	Aluminum(AA6063)
塑膠罩材質 Mask Specification	PC
電路板規格 PCB Specification	FR4(94-V0)
外型尺寸 Dimensions	600 × 140 × 25mm
接腳規格 Pin Size	2P 快速接頭 2P Quick Connector



4.3 光學特性規格 Optical Characteristic

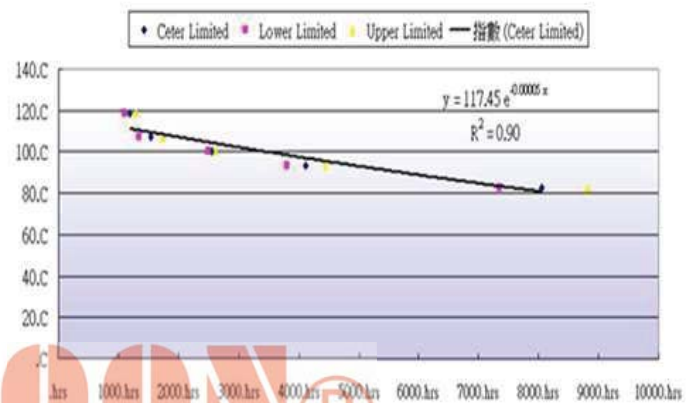
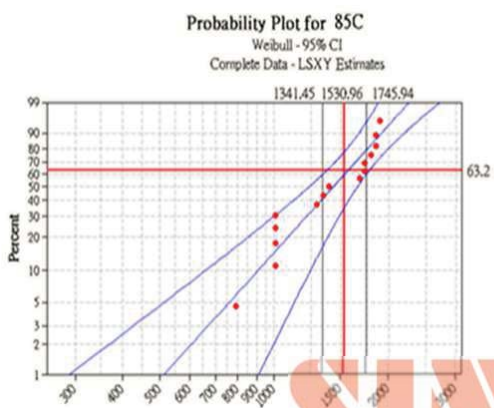
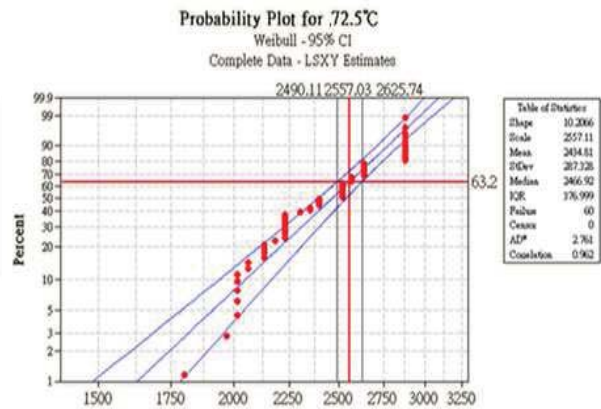
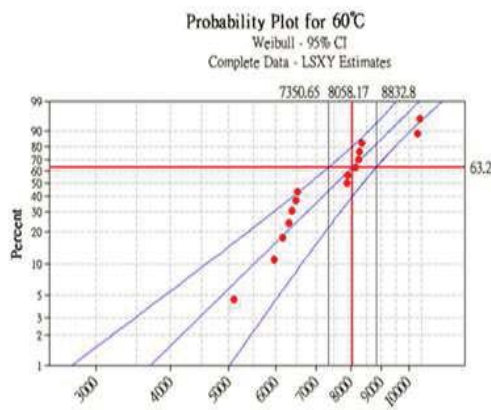
Item		GSP
可視角值 View Angle		120°
演色色值 Color Rendering Index		80
亮度 Luminance	HW Series(3.2K)	420Lx
	HP Series(6.5K)	550Lx



5. 信賴性特性規格 Reliability Characteristic

5.1 環境特性 Environment Characteristic

Item	GSP
表面溫度 Heat-Sink Surface Temp.	<50°C
儲存環境溫度 Storage Temp. Range	-20~60°C
操作環境溫度 Operating Temp. Range	-10~55°C
平均失效間隔 MTBF	10000hrs(50% Decay)



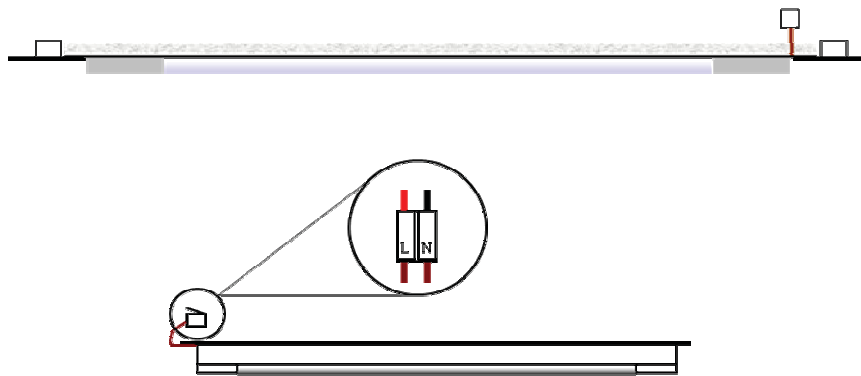
6. 安裝說明 Installation

步驟 1：輕上推輕鋼架石綿板後將燈具跨放於鋼架上後將石綿板復歸原狀

Step 1: After slightly pushing the asbestos board on the light steel frame, placing the lighting across the steel frame, then put the asbestos board back.

步驟 2：確認電壓是否於標示規格內並將 AC 電源直插入快速接頭中並開啓開關即可使用

Step 2: Be sure that voltage is whether to fit in with the specification and plunge the AC power supply into the quick connector, then turn on the switch and it can be used.



ⓘ 本產品禁止液化物浸入。

This product is prohibited material immersed in liquid.

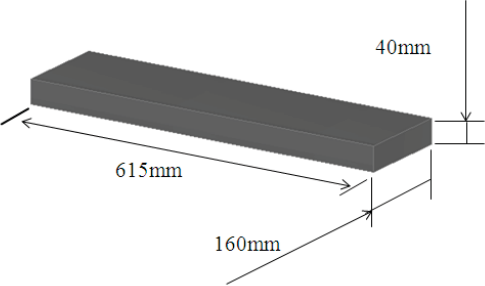
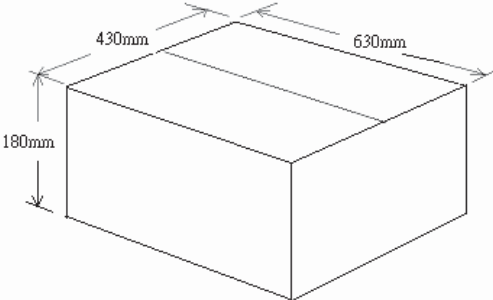
7. 注意事項 Note

- 本產品設計因附置變壓系統故可涵蓋市面常見之 AC 電源
According to our design, the device is driven by normal AC power in the market.
- 本產品可於潮濕環境中使用但不可直接置入水手
The fluorescent is designed for moisture-proof use only. Don't put it into water.
- 因產品於 AC 電源啟動時變壓器系統之電容進行充電狀態故延遲 2 秒啟動為正常現象
The fluorescent is designed for moisture-proof use only. Don't put it into water.

8. 緊急狀況處理 Emergency

1. 無法正常啟動 No work
請確認變壓器是否有正常的輸出若仍無法正常啟動則請立即通知專業人員協助處理。
To check AC voltage, and to check AC switch is normality. Please alter professional engineer if still no work.
2. 冒煙、異味、閃爍或異音 Smoking, Stink, Twinkle or Noise
請立即關閉 AC 電源開關後速通知專業人員協助處理。
Please turn off AC power immediately and alter professional engineer to check detail.

9. 包裝方式 Packing

Packing Design	Q'TY/Dimension
	<p>Q'ty = 1pcs L = 615mm W = 158mm H = 40mm</p>
	<p>Q'ty = 10pcs- L = 630mm W = 430mm H = 180mm</p>

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