



# **Energy Saving Protect The Environment**



**Settway Energy Technology Corp.**

# Company Profile

SETTWAY is established in 2012

Over 8-years experience in optical design and over 46-years experience in ballast & driver design & production with Opti-Tran Corp., merged by SETTWAY.

Objective: provide the best performance and reliable products at highly competitive price to achieve global energy & carbon reduction.

LED Product lines include:

Streetlight / High Bay Light / Flood Light / Down Light /

Recessed Troffer Panels / T5 & T8 Lamps

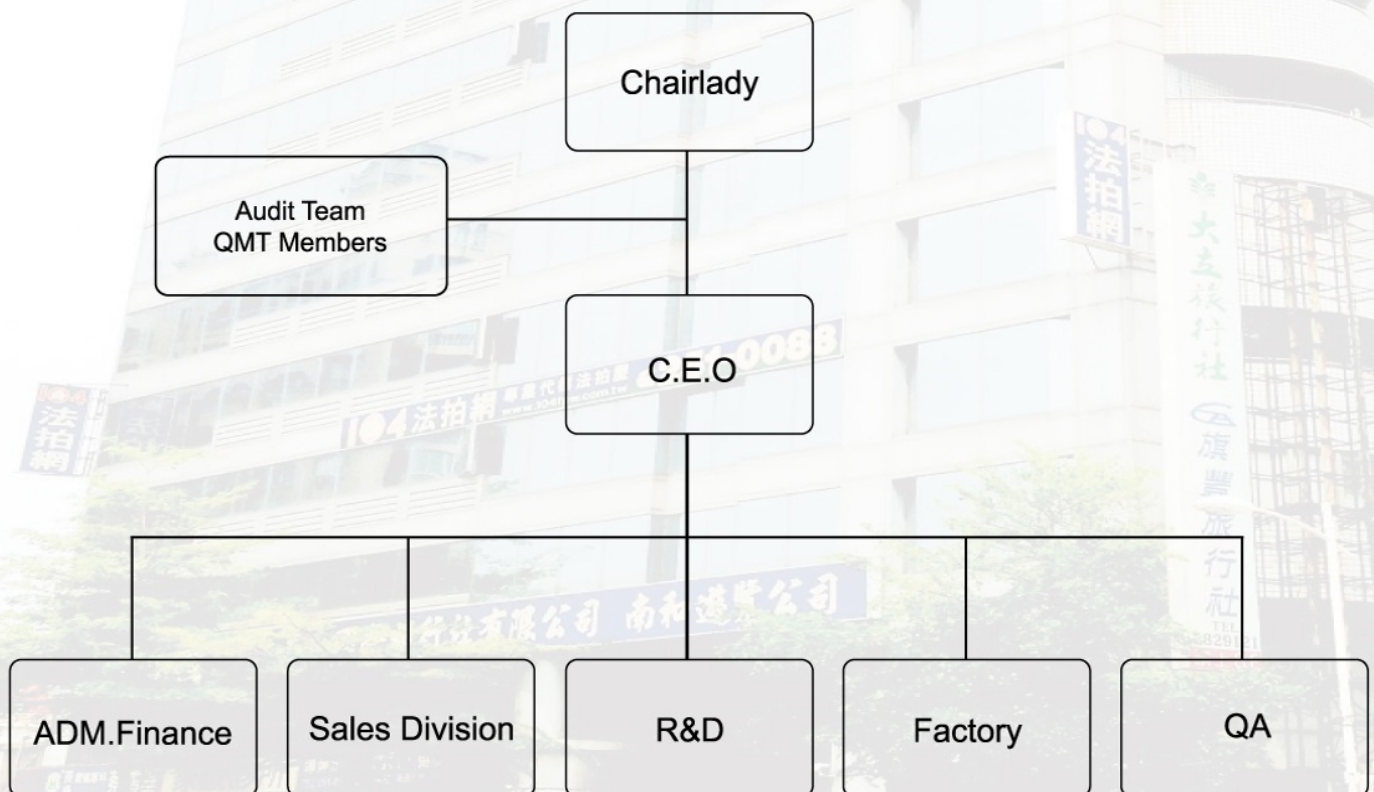
Customized product solutions available.





## Time Line

- 2006 Established office in Taipei and R&D division in Kaohsiung.
- 2007 Established streetlight production plant in Suzhou Providence to satisfy massive market demand in China and Japan.
- 2008 Established glass vacuum reflector plant and applied the patent.
- 2009 Introduced High Bay Light and Flood Light, exhibit in HK Light Show.
- 2010 Established manufacture plant in Taiwan to meet high demand in Taiwan and Global Expanding Market(Especialy Japan Market).
- 2011 Passed explosion-proof lights safety test.
- 2012 Established SETTWAY R&D in Kaohsiung and merged OptiTran Corp.
- 2013 Established Kaohsiung manufacture plant.





Professional LED lighting manufacturer



Assembly Line



Production Line



Stencil Printing



Surface Mount Technology

Reflow Oven





Inhouse design and manufacture. Customize solution for OEM & ODM provide.

1. Power driver is the heart of the fixture.
2. Over 40 years in power supply design.
3. MTBF/Life>50,000 hours.
4. 2KV/1KV Power Surge Protection.
5. EMI – anti electromagnetic radiation interference.
6. PFC – reduce harmonic interference.
7. Eliminate flickering, eye protection.
8. Comply International Safety Certifications.

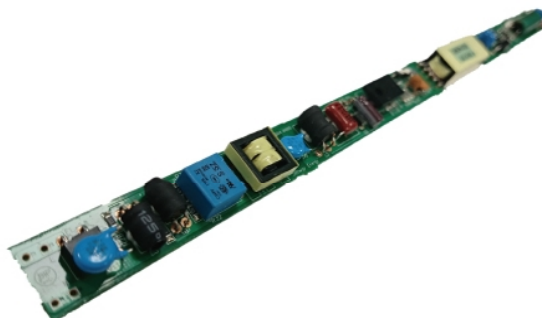
#### LED Recessed Troffer Panel Driver (External)

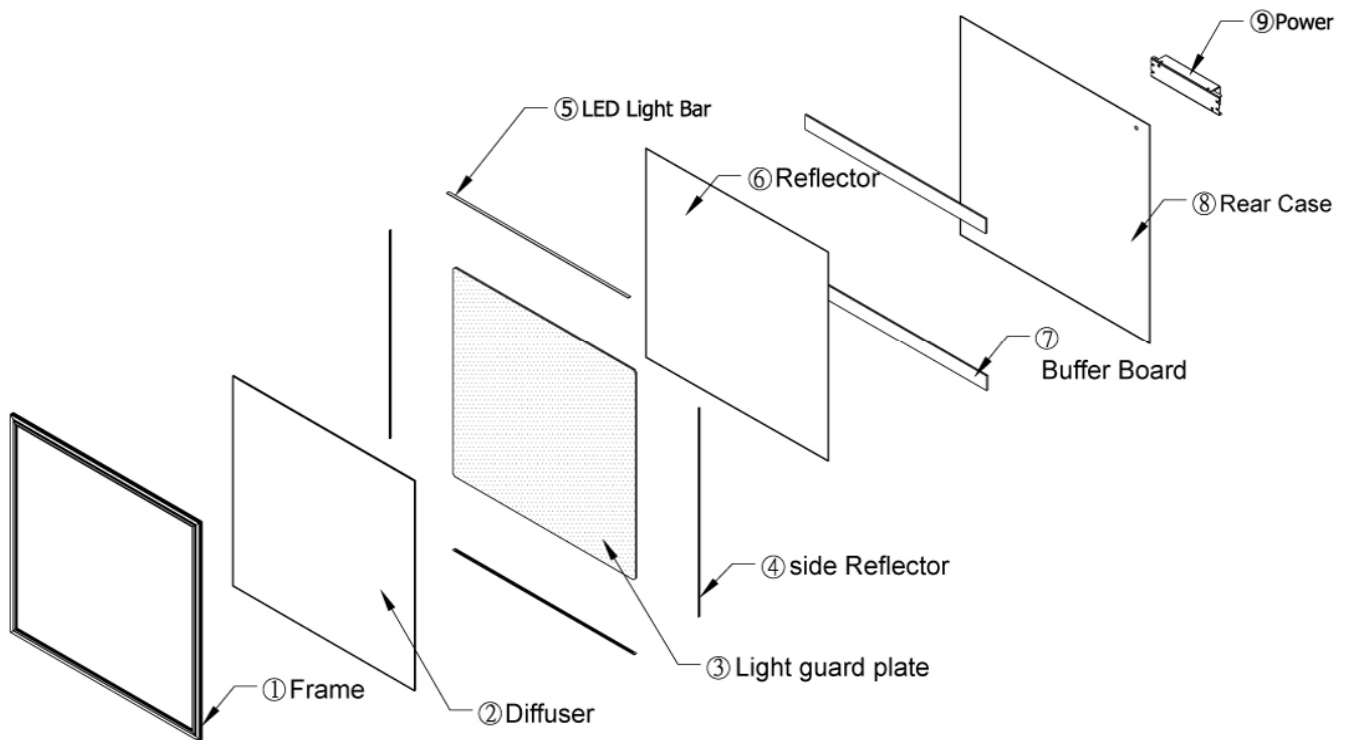


#### LED Recessed Down light Driver (External)



#### LED T8 & LED T5 Tube Light Driver (Built-in)





Settway LED Panel Light Structure

## Office Lighting





1	4	1. LED Recessed Troffer Panel 2&3. Office Lighting 4&5. Hospital installation
2	3	







LED T5 Tube Light

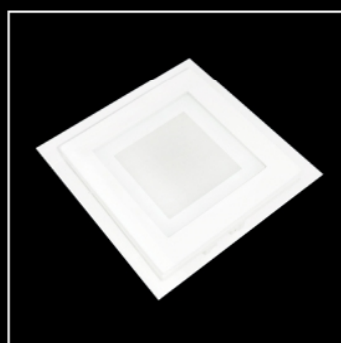






## Home Lighting

- ◆ Low power consumption with higher luminous output.
- ◆ Reduced maintenance labor costs.
- ◆ High quality LED Chip reduce chromatic aberration.





LED Recessed Troffer Panels

New Product

## High Efficiency, Extended Lifetime LED Recessed Troffer Panels

**NEW Debut**

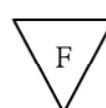
**High Efficacy  
100Lm/W**

**Certifications**

**LM-80 Lifetime test**

**IEC62471 Certified  
Eye Protection**

**Passed International  
safety certifications**



**No ultra-violet radiation, protect skin**

**Dust-free & super-slim design**

**Direct replacement**

**Full range 90 ~ 277VAC input**

**4 choices of color temperatures, 3000K - 6000K**

6000K

5000K

4000K

3000K



## Super slim design LED Troffer Panel with externally connected driver

### Standard Models

Models	Size A (mm)	Size B (mm)	Base	Power Consumption (w)	Luminance (Lm)	Efficacy (Lm/W)	CRI (Ra)	Beam Angles	C.T. (°K)	Expected lifetime (hrs.)
C2235XA(D)	599x599x11.7	3780	42	3500	85	85	120	3000/4000/5000/6000	50,000	
C1433XA(D)	300x1200x11.7	3780	42	3300	82	85	120	3000/4000/5000/6000	50,000	
C2445XA(D)	599x1200x11.7	7500	52	4500	85	85	120	3000/4000/5000/6000	50,000	

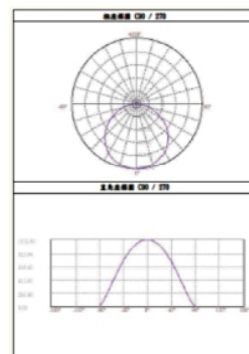
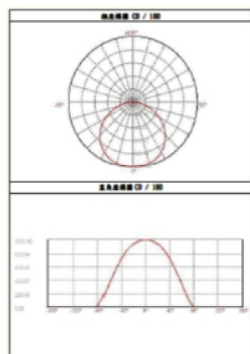
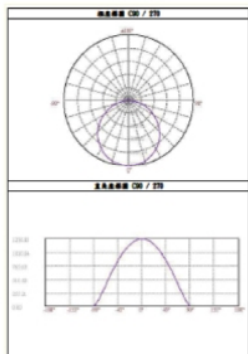
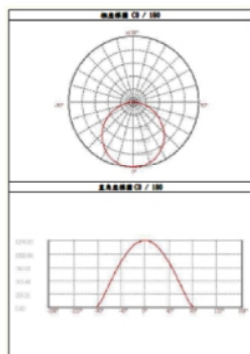
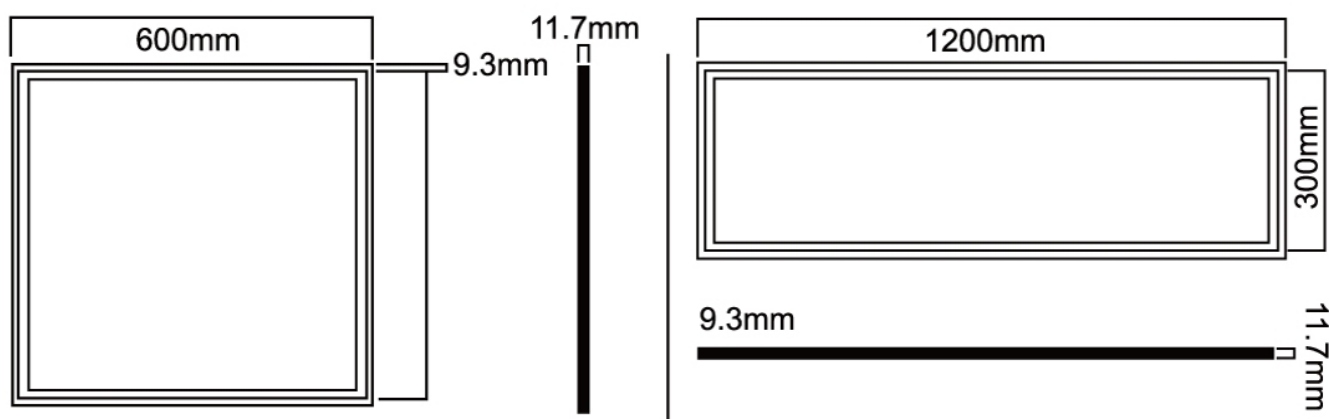
### High Efficacy Models

Models	Size A (mm)	Size B (mm)	Base	Power Consumption (w)	Luminance (Lm)	Efficacy (Lm/W)	CRI (Ra)	Beam Angles	C.T. (°K)	Expected lifetime (hrs.)
C2242XAH(D)	599x599x11.7		3780	42	4200	100	85	120	3000/4000/5000/6000	50,000
C1440XAH(D)	300x1200x11.7		3780	42	4000	95	85	120	3000/4000/5000/6000	50,000
C2452XAH(D)	599x1200x11.7		7500	52	5200	100	85	120	3000/4000/5000/6000	50,000

### Advanced Luminance Models

Models	Size A (mm)	Size B (mm)	Base	Power Consumption (w)	Luminance (Lm)	Efficacy (Lm/W)	CRI (Ra)	Beam Angles	C.T. (°K)	Expected lifetime (hrs.)
C2252XAE(D)	599x599x11.7	3780	52	5200	100	85	120	3000/4000/5000/6000	50,000	
C1450XAE(D)	300x1200x11.7	3780	52	5000	95	85	120	3000/4000/5000/6000	50,000	
C2485XAE(D)	599x1200x11.7	7700	85	8500	100	85	120	3000/4000/5000/6000	50,000	

### \*(D) 3-levels dimming models





Professional LED Recessed Down Light

New Product

## High Efficiency, Extended Lifetime LED Recessed Down light

NEW Debut

Certifications

LM-80 Lifetime test

IEC62471 Certified  
Eye Protection

Comply International  
safety certifications



- No ultra-violet radiation, protect skin
- Dust-free & super-slim design
- Direct replacement
- Full range 90 ~ 277VAC input
- 4 choices of color temperatures, 3000K - 6000K

6000K

5000K

4000K

3000K



## LED Recessed Down light with externally connected driver

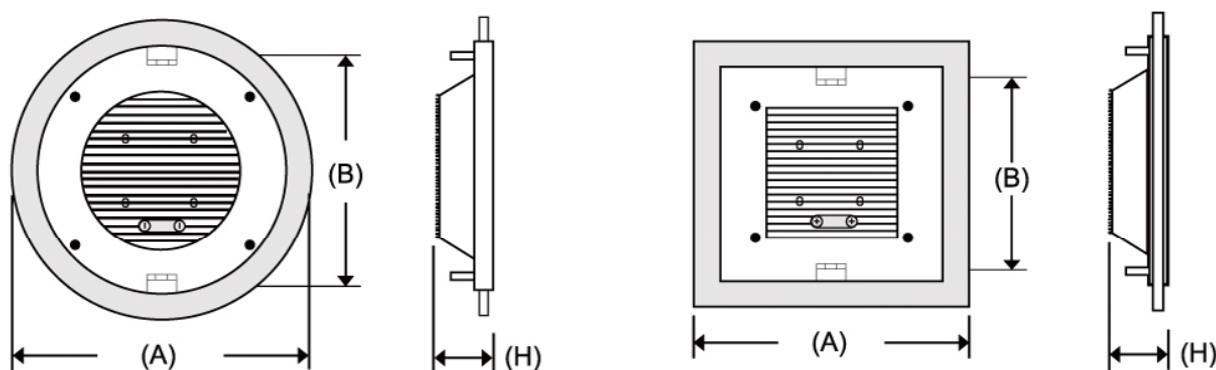
### Standard Round Models

Models	Size A (mm)	Size B (mm)	Weight(g)	Power Consumption (w)	Luminance (Lm)	Efficacy (Lm/W)	CRI (Ra)	Beam Angles	C.T. (°K)	Expected lifetime (hrs.)
DC07503XA(D)	Φ98X37	Φ75	210	6	360	60	85	105	3000/4000/5000/6000	50,000
DC12506XA(D)	Φ160X39	Φ125	385	12	744	62	85	105	3000/4000/5000/6000	50,000
DC15009XA(D)	Φ180X37	Φ150	465	15	1100	72	85	105	3000/4000/5000/6000	50,000
DC16513XA(D)	Φ200X37	Φ165	615	18	1386	77	85	105	3000/4000/5000/6000	50,000

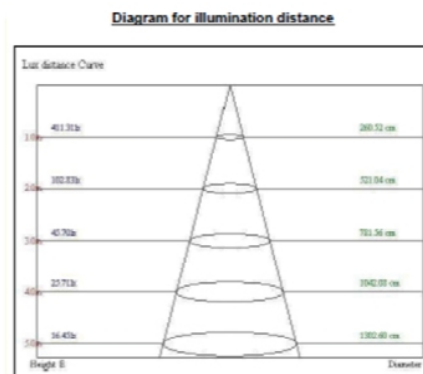
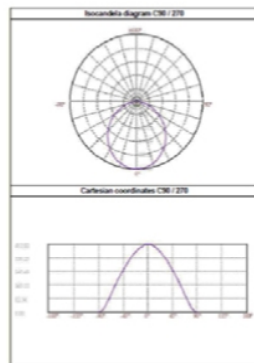
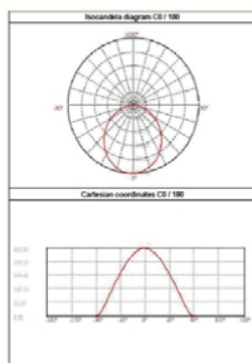
### Standard Square Models

Models	Size A (mm)	Size B (mm)	Weight(g)	Power Consumption (w)	Luminance (Lm)	Efficacy (Lm/W)	CRI (Ra)	Beam Angles	C.T. (°K)	Expected lifetime (hrs.)
DR08303XA(D)	98x98x32	83X83	240	12	744	62	85	105	3000/4000/5000/6000	50,000
DR12506XA(D)	160x160x35	125X125	470	15	1100	72	85	105	3000/4000/5000/6000	50,000
DR16513XA(D)	200x200x37	165X165	740	18	1386	77	85	105	3000/4000/5000/6000	50,000

### \* (D) 3-levels dimming models



Outlook dimension : A x H    Cut out diameter : B    Unit : mm





LED T8 Tube Light

New Product

## High Efficiency, Extended Lifetime LED T8 Lamp

NEW Debut

Certifications

LM-80 Lifetime test

IEC62471 Certified  
Eye Protection

Comply International  
safety certifications



High Efficacy 120Lm/W

No ultra-violet radiation, protect skin

Dust-free & super-slim design

Direct replacement

Full range 90 ~ 277VAC input

4 choices of color temperatures, 3000K - 6000K

6000K

5000K

4000K

3000K



## T8 LED Lamp with isolated build-in driver (fluorescent lamp direct replacement)

### Standard Models

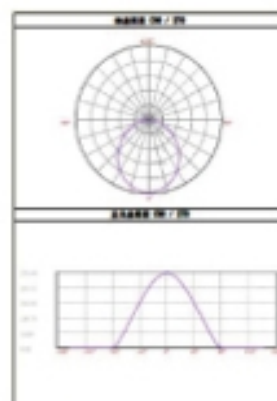
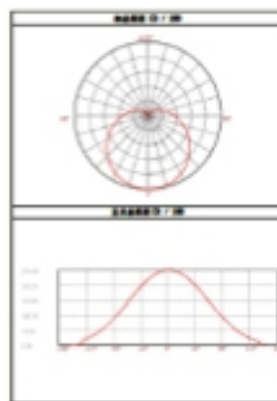
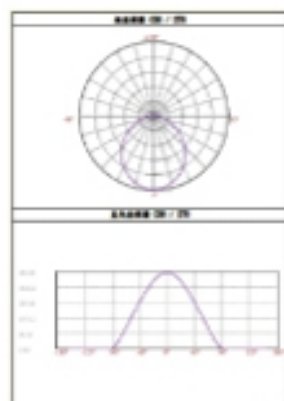
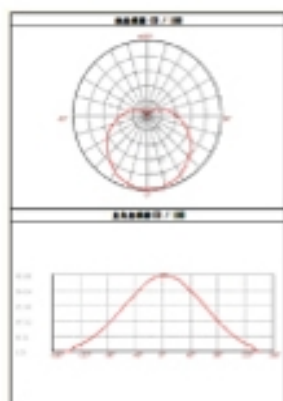
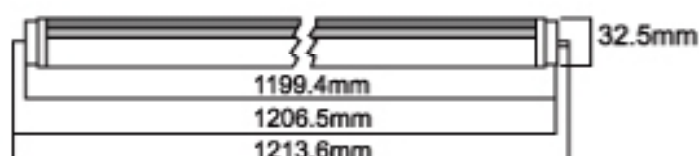
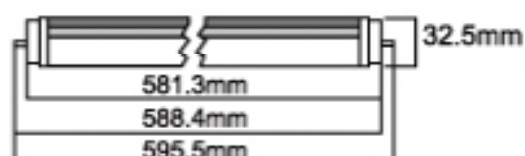
Models	Size A (mm)	Size B (mm)	Base	Power Consumption (w)	Luminaire (lm)	Efficacy (lm/W)	CRI (Ra)	Beam Angles	C.T. (°K)	Expected Lifetime (hrs)
T8209XA	Φ 28x580	183	G13	10	900	93	85	145	3000/4000/5000/6000	50,000
T8418XA	Φ 28x1199	326	G13	20	1800	93	85	145	3000/4000/5000/6000	50,000

### High Efficacy Models

Models	Size A (mm)	Size B (mm)	Base	Power Consumption (w)	Luminaire (lm)	Efficacy (lm/W)	CRI (Ra)	Beam Angles	C.T. (°K)	Expected Lifetime (hrs)
T8211XAH	Φ 28x580	183	G13	9	1100	120	85	145	3000/4000/5000/6000	50,000
T8422XAH	Φ 28x1199	326	G13	18	2200	120	85	145	3000/4000/5000/6000	50,000

### 3-levels dimming Models

Models	Size A (mm)	Size B (mm)	Base	Power Consumption (w)	Luminaire (lm)	Efficacy (lm/W)	CRI (Ra)	Beam Angles	C.T. (°K)	Expected Lifetime (hrs)
T8209XAD	Φ 28x580	183	G13	10	900	93	85	145	3000/4000/5000/6000	50,000
T8418XAD	Φ 28x1199	326	G13	20	1800	93	85	145	3000/4000/5000/6000	50,000
T8211XAHD	Φ 28x580	183	G13	9	1100	120	85	145	3000/4000/5000/6000	50,000
T8422XAHD	Φ 28x1199	326	G13	18	2200	120	85	145	3000/4000/5000/6000	50,000





LED T5 Tube Light

New Product

## High Efficiency, Extended Lifetime LED T5 Lamp

NEW Debut

Certifications

LM-80 Lifetime test

IEC62471 Certified  
Eye Protection

Comply International  
safety certifications



High Efficacy 120Lm/W

- No ultra-violet radiation, protect skin
- Dust-free & super-slim design
- Direct replacement
- Full range 90 ~ 277VAC input
- 4 choices of color temperatures, 3000K - 6000K

6000K

5000K

4000K

3000K



## T5 LED Lamp with isolated build-in driver (fluorescent lamp direct replacement)

### Standard Models

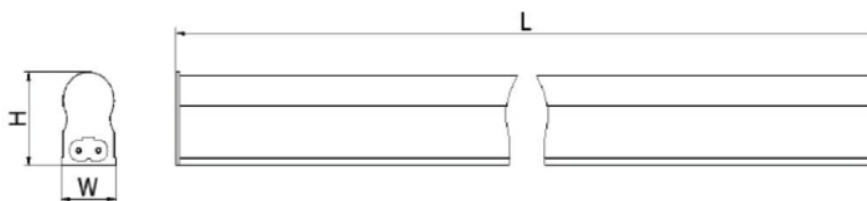
Models	Size A (mm)	Size B (mm)	Base	Power Consumption (w)	Luminance (Lm)	Efficacy (Lm/W)	CRI (Ra)	Beam Angles	C.T. (°K)	Expected lifetime (hrs.)
T5209XA	580x22x35	154	Inlet	10	900	93	85	150	3000/4000/5000/6000	50,000
T5418XA	1160x22x35	274	Inlet	20	1800	93	85	150	3000/4000/5000/6000	50,000

### High Efficacy Models

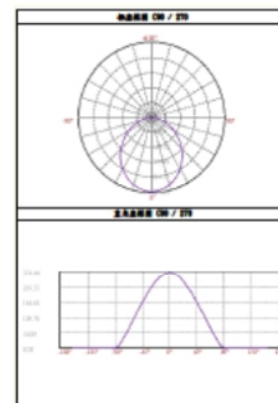
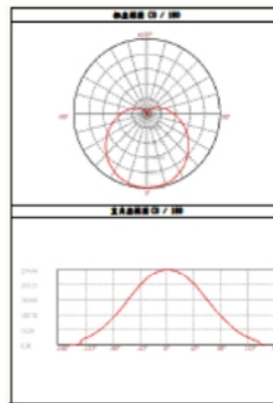
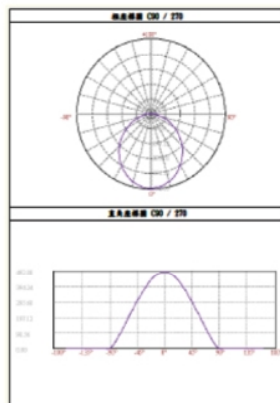
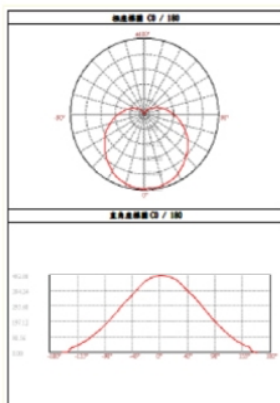
Models	Size A (mm)	Size B (mm)	Base	Power Consumption (w)	Luminance (Lm)	Efficacy (Lm/W)	CRI (Ra)	Beam Angles	C.T. (°K)	Expected lifetime (hrs.)
T5211XAH	580x22x35	154	Inlet	9	1100	120	85	150	3000/4000/5000/6000	50,000
T5422XAH	1160x22x35	274	Inlet	18	2200	120	85	150	3000/4000/5000/6000	50,000

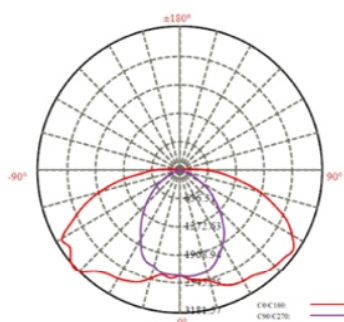
### 3-levels dimming Models

Models	Size A (mm)	Size B (mm)	Base	Power Consumption (w)	Luminance (Lm)	Efficacy (Lm/W)	CRI (Ra)	Beam Angles	C.T. (°K)	Expected lifetime (hrs.)
T5209XAD	580x22x35	154	Inlet	10	900	93	85	150	3000/4000/5000/6000	50,000
T5418XAD	1160x22x35	274	Inlet	20	1800	93	85	150	3000/4000/5000/6000	50,000
T5211XAH	580x22x35	154	Inlet	10	1100	120	85	150	3000/4000/5000/6000	50,000
T5422XAH	1160x22x35	274	Inlet	20	2200	120	85	150	3000/4000/5000/6000	50,000



	Base	STD	L max	H	W
	Inlet	580	583	35	22
	Inlet	1160	1160	35	22





### Environmental protection and energy saving

The power efficiency for S10355A is greater than 90% (S50255A is greater than 89%), and can replace to 250W High Pressure Sodium Light (HPS) while S50255A replaces 150W HPS Light S series. can save about 50% of the power consumption compare with HPS Light. It light up instantly, and no warm up necessary.

### No over lapping optic design

S Series use anti-UV ray Boron glass, and it has longer life span against weather, and will not be yellowing easily. With a special twin-lens design, it overcome the issue of shadow over lapping and dizzy effect to secure the safety of the moving vehicles.

### Safety protection

Traditional HPS light need 1200VAC to activate at which LED light only requires low voltage direct current and will not cause danger.



### Patent manufacturing process(BIC)

Using flat bottom round concave cup with Macromolecule coated PCB allows the PCB to conduct heat faster. Operating temperature is  $55\pm 5^{\circ}\text{C}$ . There is no need for fan, cooling tube or any heat dispersion devices within the lamp.

### Patent design

Patent aerospace alloy exterior cover with heat sink which was form from single process has the best heat dispersion exterior and can adapt to rough weathers.

### Long life span

LED life span is over 30,000 hours with average of 10 hours per day, the lamp can last for over 8 years. Compare to the traditional light bulb, LED is more durable since it has more shock resistance, will not crack easily and require minimum maintenance.



### The best surface finishing

S series has different selection of surface finishing to suit the different climate to ensure the best balance between durability and heat dispersion.



Model	S10355A	S50255A
Input Voltage (VAC)	220V - 305V	
Input Frequency (Hz)	50/ 60 Hz	
Input Current (I <sub>AC</sub> )	0.54A/0.28A	
Input Wattage (W)	115W ± 5W	55W ± 5W
LED Operating Voltage (V <sub>DC</sub> )	80V	
LED Operating Current (I <sub>DC</sub> )	0.35A	
Average Luminous flux (lm/W)	≥ 90lm/W	
Power Factor (PF)	≥ 0.98	
Power efficiency (PE)	≥ 92%	≥ 89%
Ra/CRI	≥75%	
Illumination (lux)	(height of 10m) ≥ 19lux	(height of 5m) ≥ 30lux
	(height of 12m) ≥ 13lux	(height of 8m) ≥ 12lux
Illuminate Angle	30° to 150°, according to customer's need	
Luminous flux (lm)	≥ 10,000lm ± 5%	≥ 5,000lm ± 5%
Color Temperature (K)	5500K ± 500K	
Operation Temp. (°C)	-40°C to 55°C	
IP Level	IP66	
Replace model	250W HPS	150W HPS
Luminous decay (%)	≤ 5%/ 10,000Hrs ; ≤ 30%/ 30,000Hrs	
Weight (kg)	6.8 ± 0.5Kg	6.5 ± 0.5Kg
Dimension (mm)	590*255*120mm	





W series wall washer uses Aluminum alloy integrally mold with exterior cover anodized which can conduct heat better and also corrosion resistance.

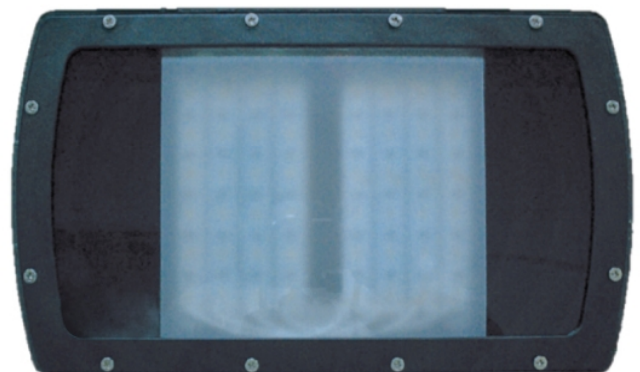
Unlike the conventional LED wall washer, W series uses metal PCB, and patented heat conducting technique which ensure the heat is properly conducted and longer lifespan.

Energy saving: consume 30% of power compare with the Halogen lamp. Instant start, No delay.



Model	W40255A	W30255A
Input Voltage (VAC)	100V - 240VAC	
Input Frequency (Hz)	50/ 60Hz	
Input Current (IAC)	0.6A	0.4A
Power Consumption (W)	60W $\pm$ 3W	40W $\pm$ 2W
Light source	48PCS	36PCS
Power Factor (PF)	$\geq 0.9$	
Power efficiency (PE)	$\geq 85\%$	
Operation Temp. (°C)	-20°C ~ 55°C	
Heat dispersion	Patent PCB process MCPCB/ flat bottom round concave (BIC) package	
Color Temperature (K)	5500K $\pm$ 500K	
Luminous flux (lm)	$\geq 4,000\text{lm} \pm 5.5\%$	$\geq 3,000\text{lm} \pm 5.5\%$
CRI	$\geq 70$	
Weight (kg)	4.0 kgs	3.6 kgs
Dimension (mm)	328*198*236mm	
Luminous decay (%)	$\leq 30\%$ / 25,000Hrs	
Power	External Power Supply	
Warranty	2 years	

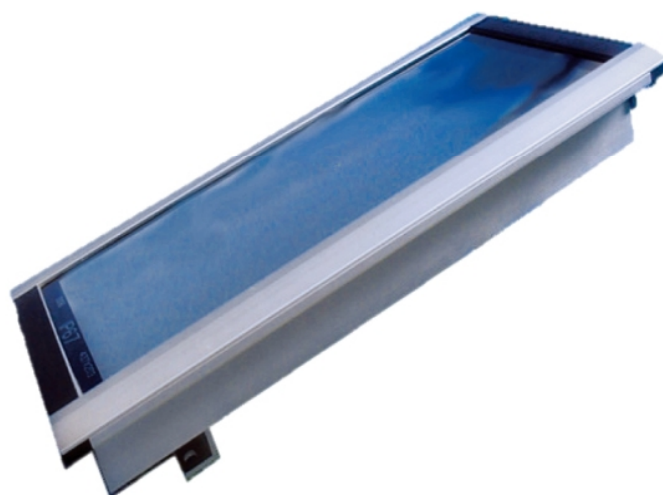
- Easy Installation
- Customized color temperature.
- Very suitable for outdoor sign board, park lighting, car park, wall washer for buildings.
- IP 65 rating.





T series High Power LED Tunnel light uses integral aluminum 6063 alloy housing, with patented BIC light source and heat sink design to ensure the longest life span.

T series is suitable for place with special light distribution requirement such as tunnel, subway, highway, culvert and as well as advertising signboard and stadium.



MODEL	T15355A	T13355A
Input Voltage (VAC)	100-240VAC	
Input Frequency (Hz)	50/ 60Hz	
Input Current (IAC)	3.0A	
Power Consumption (W)	174W $\pm$ 6W	145 $\pm$ 5W
Light source	144PCS	120PCS
Power Factor (PF)	$\geq 0.9$	
Power efficiency (PE)	$\geq 85\%$	
Operation Temp. (°C)	-20°C ~ 55°C	
Heat dispersion	Patent PCB process MCPCB/ flat bottom round concave (BIC) package	
Color Temperature (K)	5500K $\pm$ 500K	
Luminous flux (lm)	$\geq 15,600\text{lm}$ $\pm 5.5\%$	$\geq 13,000\text{lm}$ $\pm 5.5\%$
CRI	$\geq 70$	
Weight (kg)	8.0 kgs	
Dimension (mm)	290*508*126mm	
Luminous decay (%)	$\leq 30\%$ / 25,000Hrs	
Power	External Power Supply	
Warranty	2 years	

- Energy Saving: consume 70% less power than traditional tunnel light
- Patented heat conduction structure, longer life span
- Easy Installation
- IP 65 Rating
- Optical light distribution lens to ensure uniform illuminance and lower glare
- Customized color temperature and color rendering index for different surface



Dedicated to Global Energy  
Savings & Carbon Monoxide  
Reduction.

## SettWay Energy Technology Corp.

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