

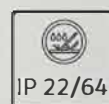
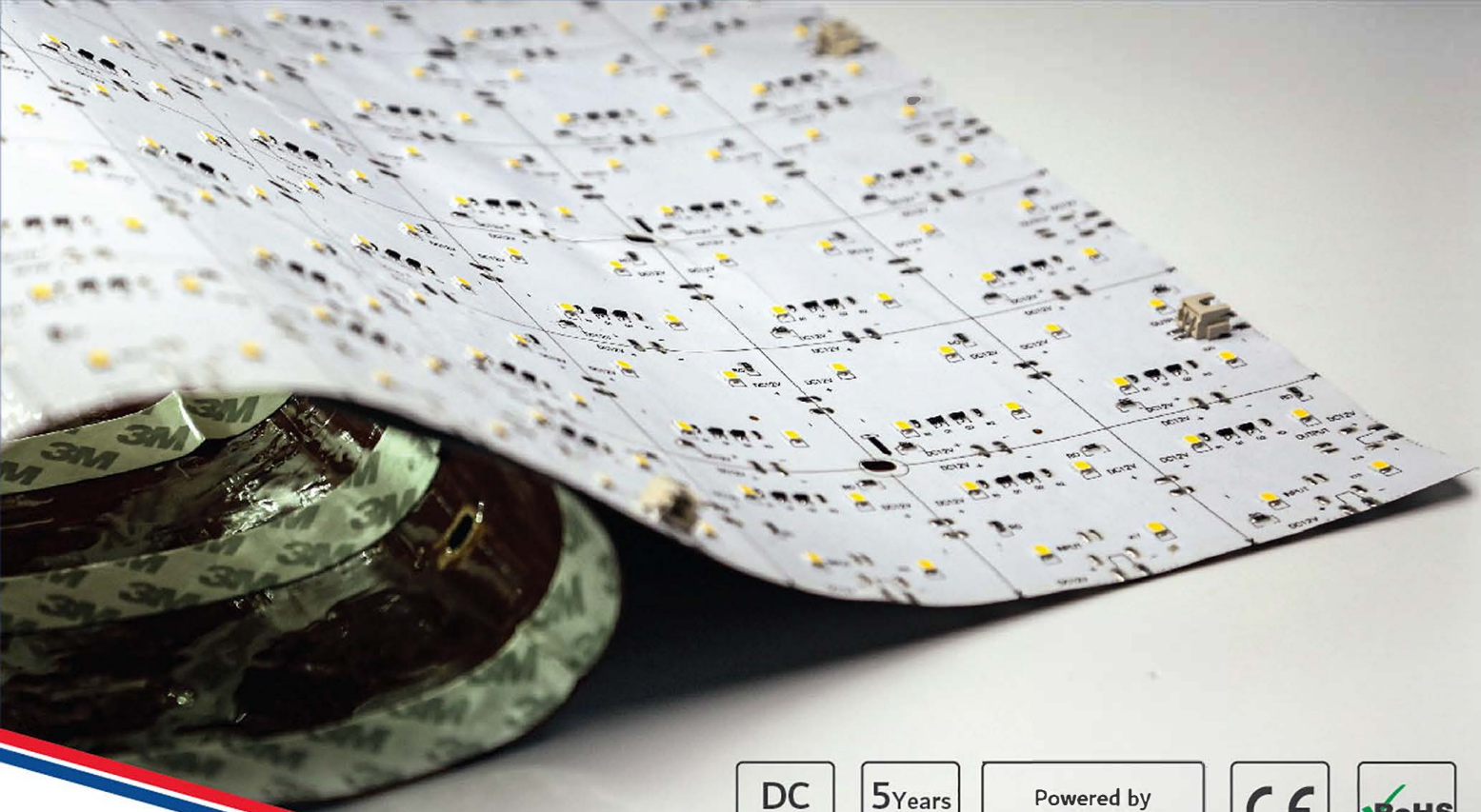


**PHOTONS**  
**Electricals**

**HIGH QUALITY  
SIGNAGE  
FLEXIBLE LED  
PANEL**

Powered by **SAMSUNG**

DESIGNED & ENGINEERED IN UAE



## FEATURES

- Adopt high efficacy 2835 LED
- Cut-To-Fit: Systems are adaptable to any size installation and can accommodate obstacles and shapes.
- Easy Mounting: 3M double sided tape & screw holes make fast and easy installation without special tools.
- Constant Current Engineered: DC12/24V Input, constant current, more connection with consistent light output.
- Quick Connector XH-2Y & Multiple Connection spot: Pin type assemblies are easy and stable way to connect panels.
- IP22(non-waterproof) & IP64(waterproof, w spray glue coated) available.
- CRI 80+

## OPTICAL & ELECTRICAL PARAMETERS

Model No.	Light Color	Color Temperature(K)	Beam Angle	Ra	Luminous Flux (lm/pcs)	Efficacy (lm/W)	Voltage (V DC)	Power (W/pcs)
PHOTONS-MODLED-PANL-12V-XXK-6.2W	W	3000	120°	80+	650	105	12V	6.2
	W	4000			650	105		6.2
	W	5000			650	105		6.2
	W	6500			650	105		6.2

Note:

- The luminous flux above is the data of spray glue version, the non-waterproof one is 1.05 times of this data.

## APPLICATION

Light box, luminous letter, signage, general lighting, steps, roads, bridges, yards etc.

## INSTALLATION

Fix by 3M self adhesive tape and screws

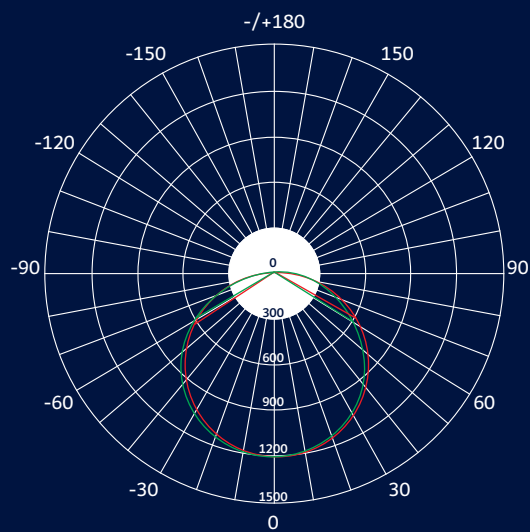
## OTHER PARAMETERS

Model No.	LED Quantity (pcs/pc)	Product Size L x W x H(mm)	Max Run Single ended(pc)	Min Cuttable Length(mm)	Working Temperature	Storage Temperature
PHOTONS-MODLED- PANL-12V-XXK-6.2W	288	610 x 305 x 8	1	50.8 x 50.8	-20~+60oC	-20~+70oC

Note:

- The above data is typical values. The actual data of each single product may differ from the typical values.  
The data is subject to change without notice.
- The beam angle is tested with single color on.
- Different color temperature will make luminous flux different.
- Power and luminous flux tolerance within $\pm 10\%$ .

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



Unit : cd

— C0 /180, 117.3°

— C90/270, 117.7°

AVERAGE BEAM ANGLE(50%): 117.5°

## AVERAGE ILLUMINATION

Flux Out : 2782lm		(CCT=6500K)	
Height	Emax	Beam Angle : 117.33°	Diameter
1cm	3196865,12067533 lx		3.28cm
2cm	799216,3016883 lx		6.57cm
3cm	355207,1340837 lx		9.85cm
4cm	199804,754221 lx		13.14cm
5cm	127875,482701 lx		16.42cm
6cm	88802,335209lx		19.71cm
7cm	65242,246276lx		22.99cm
8cm	49951,188555lx		26.28cm
9cm	39467,148982 lx		29.56cm
10cm	31969,120765lx		32.85cm

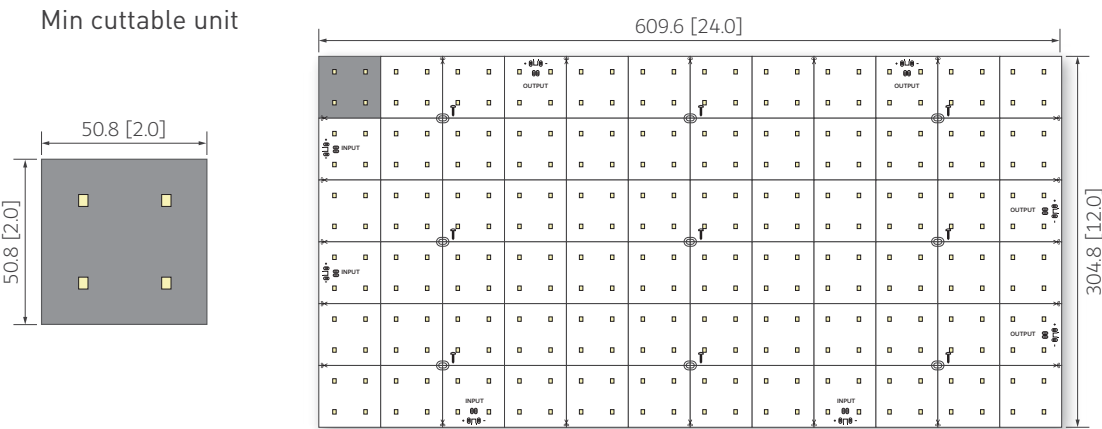
Height Eavg, Emax Beam Angle : 117.33° Diameter

Note: The above two figure are tested with sample H150-W-H2835-288-12 at 6500K.

PROFILE DRAWINGS

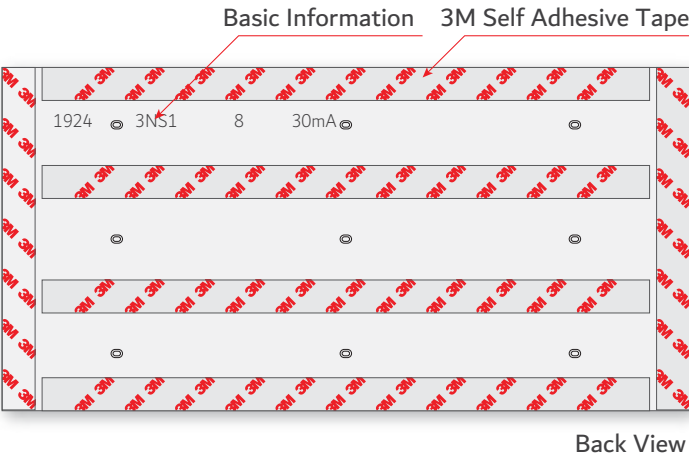
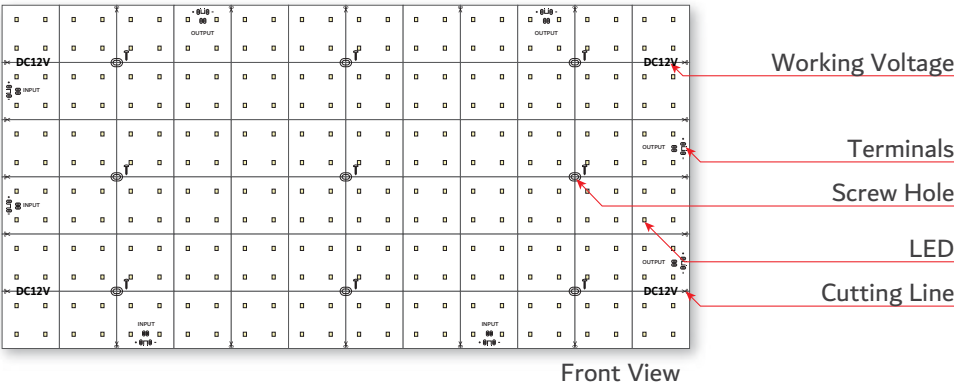
PHOTONS-MODLED-PANL-12V-XXK-6.2W

Unit:mm(in)



INSTALLATION

1. The Product



	Application	Qty	Position	Note
Screw mounting hole	Fix the product	9	-	Runway-type Hole
Cutting line	Cutting position	-	With scissors mark	-
Terminal	Connect Power Supply	--	-	2Pin terminal
3M self adhesive tape	Pre-fix	6	-	-
Basic information	--	-	-	See the below information

Basic information

1833 62G/W 8 2181 20mA

Single LED working current

Production batch number

Ra

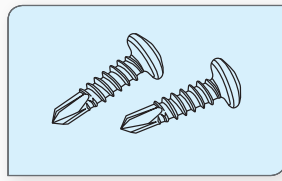
Color temperature/Light color

Production date (Year/Week)

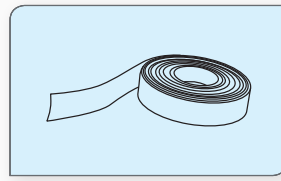
## 2. Products and Tools



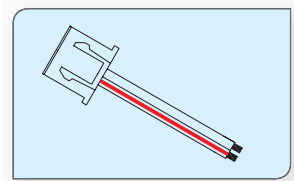
LED power supply



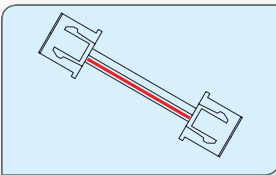
Self-tapping screw



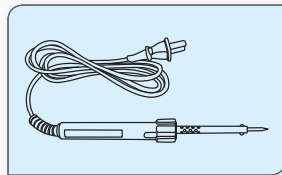
Insulation Tape



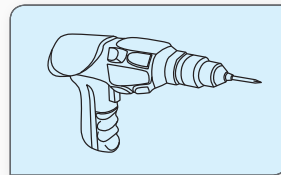
XH-2Y Power cable



XH-2Y Joint line

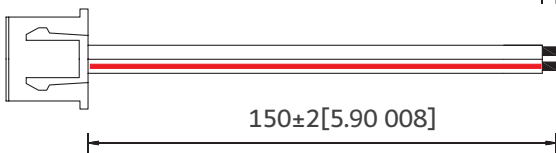


Electric iron

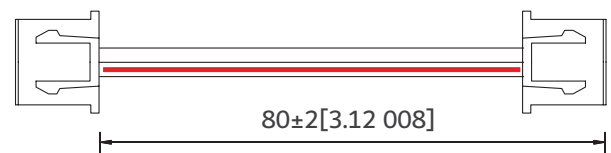


Electric drill

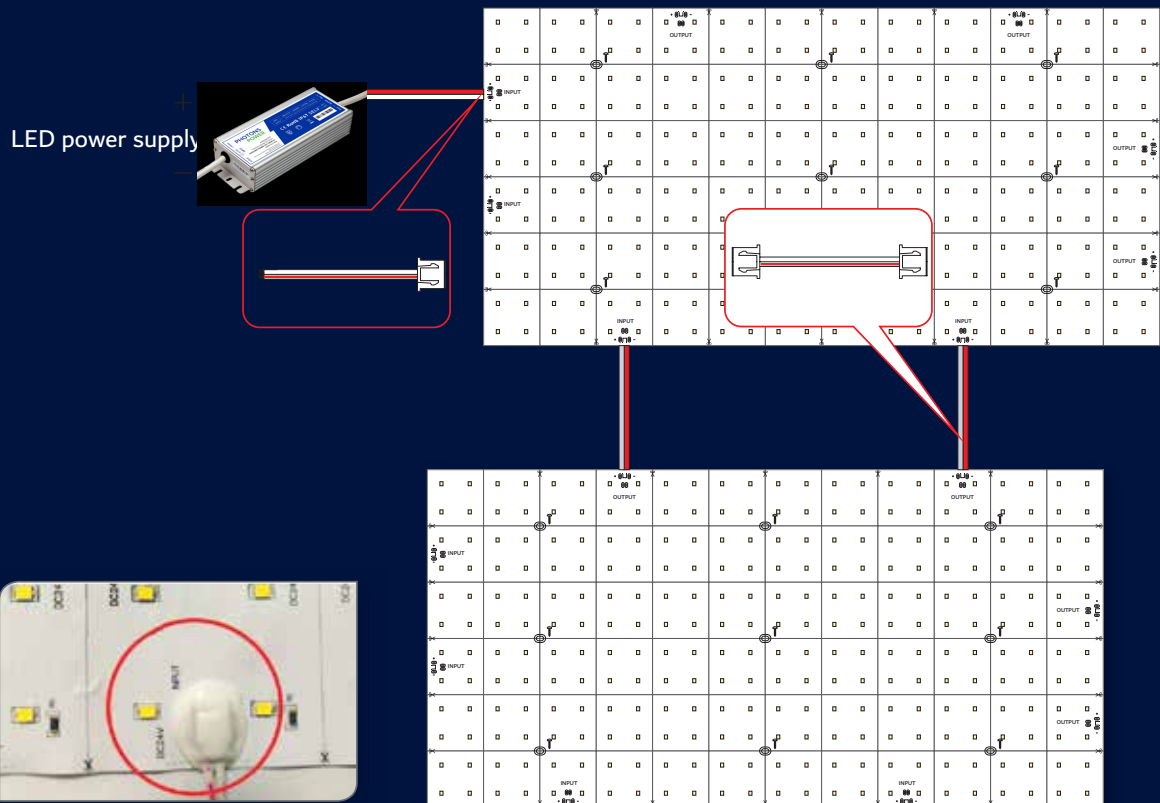
XH-2Y Power cable



XH-2Y Joint line



## 3. Product Connection Diagram

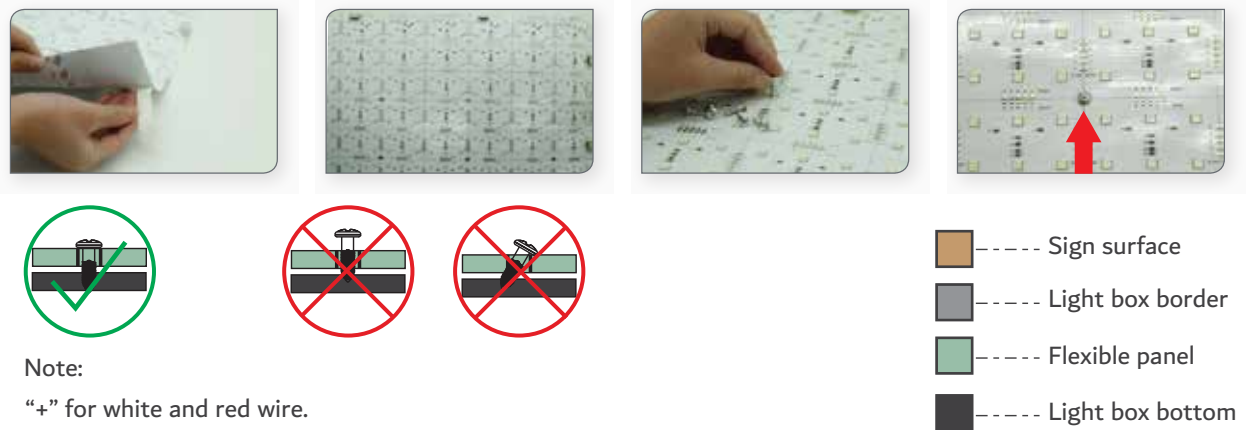


Note:

For terminal waterproof treatment of spray glue product, it is recommended to use neutral glue.



#### 4. Installation Steps



Note:

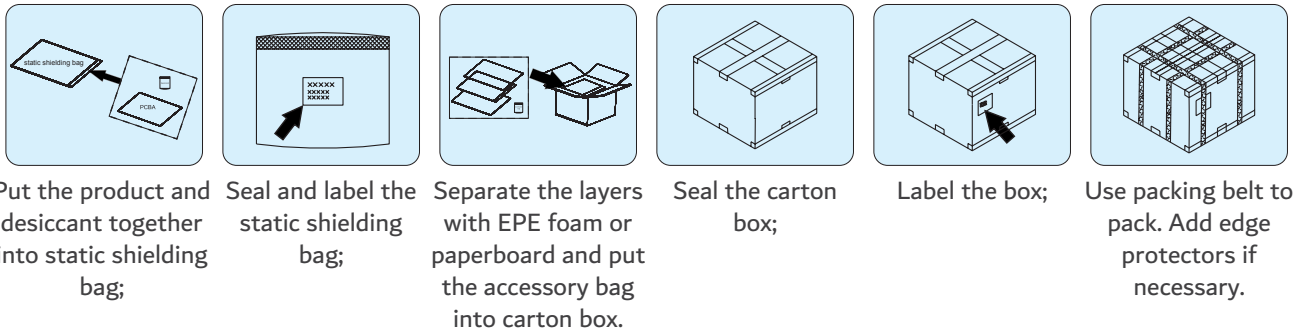
“+” for white and red wire.

The above diagram is only for installation, not the physical drawing.

#### ATTENTIONS BEFORE INSTALLATION

- Before installation, check that the product parameters are consistent with the requirements (Seeing product specifications or product labels)
- Load voltage, current, power and power supply should be matched with the product.
- Follow the instructions of wiring diagram (first connect the load and then the power supply) to avoid short circuit.
- Make sure the correct connection of positive and negative poles between products and power supply. Other wise, the light will not be on.
- Make sure the power cord firmly screwed into the terminal and it should not be pulled out by hands.
- The terminal should have insulation, waterproof and anti-corrosive treatment.

#### PACKAGING



فوتونز اليكتریکال لتجارة ادوات النارة ولوازمها ش.ذ.م.م

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