



TOYO LED ELECTRONICS LIMITED

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P/N: TY-F5050WW30W8-12-330-WPP

✧ Features:

- LED Flexible Strips with 30 LEDs per meter
- PLCC-2 package for single LED package
- waterproof with PVC
- Ultra Bright Warm white as Source Color
- Available on reel
- 12V DC Voltage
- Water-proofing IP68



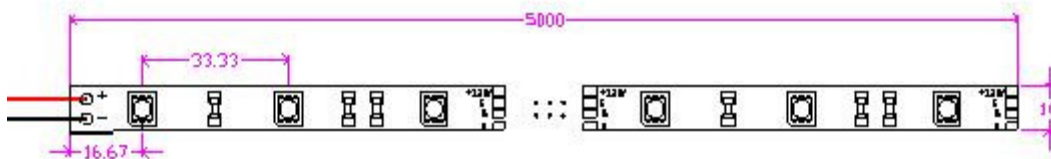
✧ Description

- The Warm white source color devices are made with InGaN on sapphire
- Light Emitting Diode as implied in single package

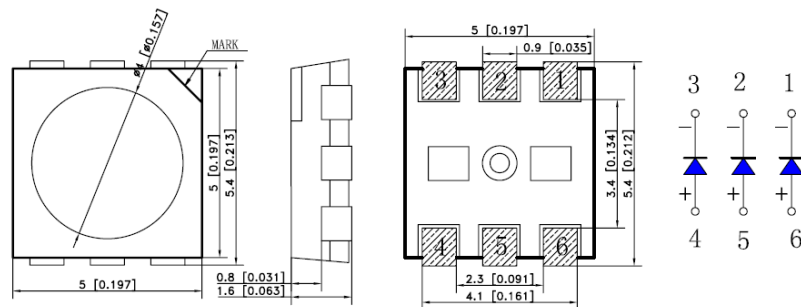
✧ Application

- General use
- Reveal display for hotel, commercial building, stage, bar, outdoor environment
- Declaration lighting
- Indoor lighting
- Shop-window decoration

✧ Physical Dimensions



Packing for single LED



NOTES:

1. All dimensions are in millimeter[unit];
2. Tolerance is $\pm 0.2\text{mm}$ (0.008 ") especially other specified;
3. Specifications are subject to change without notice.
4. IP68 : protection from : 6 : Dust tight-- No ingress of dust; complete protection against contact
8:Immersion beyond 1 m--The equipment is suitable for continuous immersion in water.



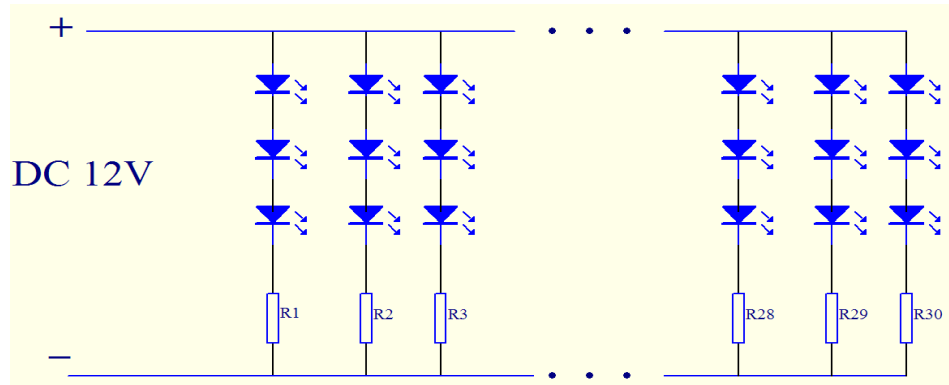
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❖ Schematic Drawing



❖ Absolute Maximum Ratings(Ta=25°C)

Item	Symbol	Maximum	Unit
Power Dissipation	PD	7.2	W
Continuous Forward Current	I _F	600	mA
Operating Temperature Range	T _{opr}	-10 to+40	°C
Storage Temperature Range	T _{stg}	-10 to+40	°C

❖ Electrical/Optical Characteristics(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max	Unit
Forward Voltage	V _F	I _F =600mA	--	12	--	V
Luminous Flux	Φ	I _F =600mA	--	330	--	lm
Color Temperature	C _T	I _F =600mA	2500	3000	3500	K
Viewing Angle	2θ _{1/2}	I _F =600mA	--	120	--	Deg
Recommend Forward Current	I _F	--	--	600	--	mA

Remarks:

All Electrical and Optical characteristics are based on reference of single LED package.