



# TOYO LED ELECTRONICS LIMITED

Room 1610, Hong Kong Plaza, 188 Connaught Road West, Hong Kong.

Tel : (852) 2540 7288  
http://www.toyo-led.com

Fax : (852) 2517 1797  
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**P/N: TY-F3528UY120W8-12-150**

## ✧ Features:

- LED Flexible Strips with 120 LEDs per meter
- PLCC-2 package for single LED package
- Non-waterproof
- Ultra Bright Yellow as Source Color
- Available on reel
- 12V DC Voltage



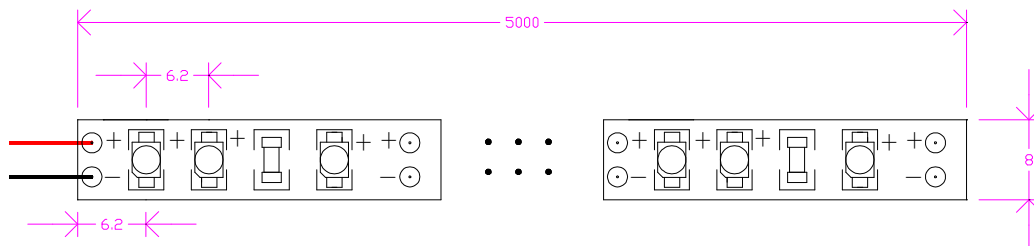
## ✧ Description

- The Yellow source color devices are made with InGaAlP on sapphire
- Light Emitting Diode as implied in single package

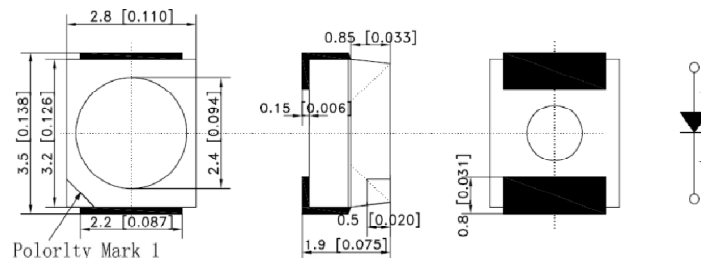
## ✧ Application

- 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.



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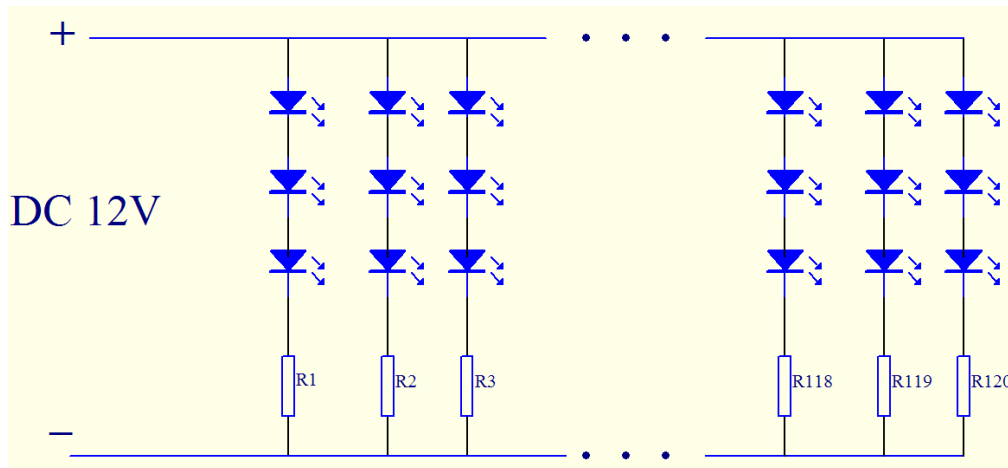
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## ✧ Schematic Drawing



## ✧ Absolute Maximum Ratings(Ta=25℃)

| Item                        | Symbol           | Maximum   | Unit |
|-----------------------------|------------------|-----------|------|
| Power Dissipation           | PD               | 9.6       | W    |
| Continuous Forward Current  | I <sub>F</sub>   | 800       | mA   |
| Operating Temperature Range | T <sub>opr</sub> | -10 to+40 | ℃    |
| Storage Temperature Range   | T <sub>stg</sub> | -10 to+40 | ℃    |

## ✧ Electrical/Optical Characteristics(Ta=25℃)

| Item                      | Symbol            | Condition             | Min. | Typ. | Max | Unit |
|---------------------------|-------------------|-----------------------|------|------|-----|------|
| Forward Voltage           | V <sub>F</sub>    | I <sub>F</sub> =800mA | --   | 12   | --  | V    |
| Luminous Flux             | Φ                 | I <sub>F</sub> =800mA | --   | 150  | --  | lm   |
| Wavelength                | λ                 | I <sub>F</sub> =800mA | 585  | 592  | 595 | nm   |
| Viewing Angle             | 2θ <sub>1/2</sub> | I <sub>F</sub> =800mA | --   | 120  | --  | Deg  |
| Recommend Forward Current | I <sub>F</sub>    | --                    | --   | 800  | --  | mA   |

Remarks:

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



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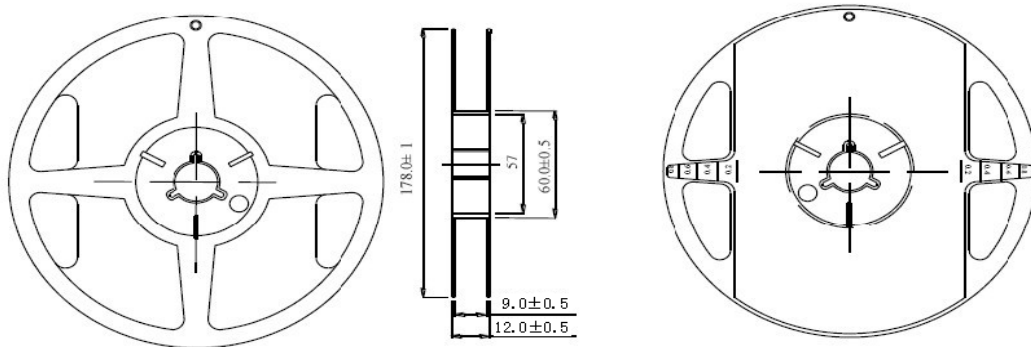
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### ✧ Tape Specification: 5 Meters per reel



### ✧ Package Label

| LED Strips..                                                                                                                              |            |
|-------------------------------------------------------------------------------------------------------------------------------------------|------------|
| PART NO:                                                                                                                                  | _____      |
| LOT NO :                                                                                                                                  | _____      |
| Q' TY :                                                                                                                                   | _____      |
| VF : _____                                                                                                                                | ΦV: _____  |
| TC : _____                                                                                                                                | VLD: _____ |
| DATE :                                                                                                                                    | _____      |
| TOYO LED ELECTRONICS LIMITED                                                                                                              |            |
| Website: <a href="http://www.toyo-led.com">http://www.toyo-led.com</a> E-mail: <a href="mailto:sales@toyo-led.com">sales@toyo-led.com</a> |            |

QA  
Pass

Pb



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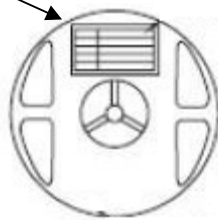


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## Package & Shipping Instructions



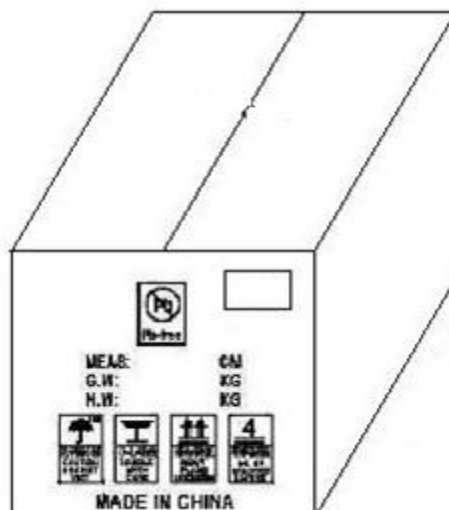
Label



5 Meters/Reel



ANTI-STATIC BAGS



60 reels / Box (300 Meters)  
Size: 480 x 390 x 260(mm)