



# LED Flexible Strip 3014 Series LM3014-60D-12V/24V

## Product feature



- ◆ 5 meters roll, every 60 meters lamp, the theoretical power per meter 6W ,Power rating:30W/5M , angle light 120 degrees. 13-15lm of each light bead can be customized according to needed.
- ◆ curved, soft, soft and compact, back with 3M double-sided adhesive can be installed in the concave convex surface, easy to install.
- ◆ Lamp strip supports external light regulator type: 0/1-10V PWM Dali Dimmable inductive switch controller.
- ◆ each 5 or 10 cm , three or six beads can be used as a unit of shear, cut does not affect other parts. 5 meters in length can be adjusted according to production requirements.
- ◆ low power consumption, low fever, no glare, impact resistance, energy saving and environmental protection.
- ◆ can be customized to glue dust (IP65), (IP66), silicone casing waterproof glue waterproof (IP68);
- ◆ LED Life time: Mean time between failure(MTBF):50-100K hour

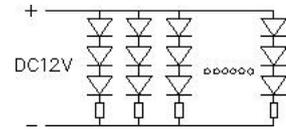
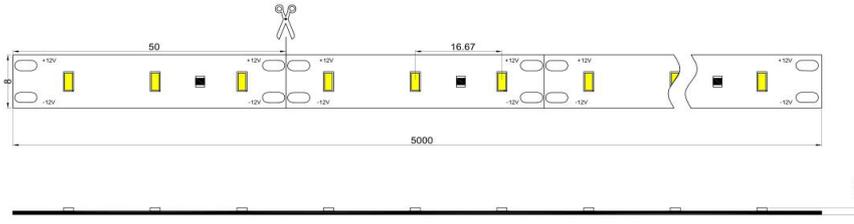


## Technical parameters

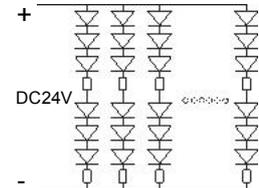
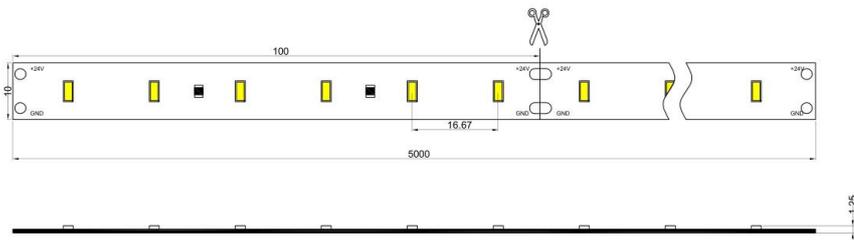
| Mode         | LED Q'ty/M         | Color         | CCT/Chromaticity | Lumen/led (lm) | CRI(Ra) | Voltage (V DC) | Electric current (A/m) | Power± 10%(W/m) | Lm/m ± 10% | FPCWidth /thickness |                              |
|--------------|--------------------|---------------|------------------|----------------|---------|----------------|------------------------|-----------------|------------|---------------------|------------------------------|
| LM3014-WN-60 | 3014SMD<br>60PCS/M | Natural White | 4000-4200K       | 13-15lm        | 75-90   | 12/24V         | 0.5/0.25A              | 6W/m            | 598LM      | IP20                | 12V/8mm<br>24V10mm<br>2Ounce |
|              |                    | White         | 6000-6500K       |                |         |                |                        |                 |            |                     |                              |
|              |                    | warm white    | 2600-2800K       | 12-15lm        |         |                |                        |                 | 586LM      | IP65                |                              |
|              |                    | warm white    | 3000-3200K       |                |         |                |                        |                 |            |                     |                              |
|              |                    | Red           | 617-627nm        | --             |         |                |                        |                 | 586LM      | IP67                |                              |
|              |                    | Blue          | 464-474nm        | --             |         |                |                        |                 |            |                     |                              |
|              |                    | Green         | 515-525nm        | --             |         |                |                        |                 | 568LM      | IP68                |                              |
|              |                    | Yellow        | 585-600nm        | --             |         |                |                        |                 |            |                     |                              |

## Dimension(mm/inch)

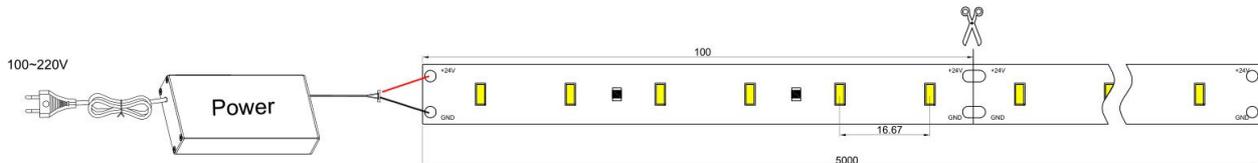
12V



24V

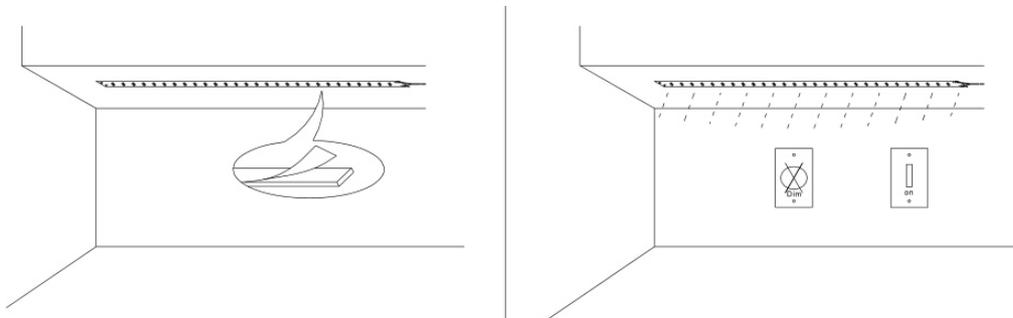


## Linking operation

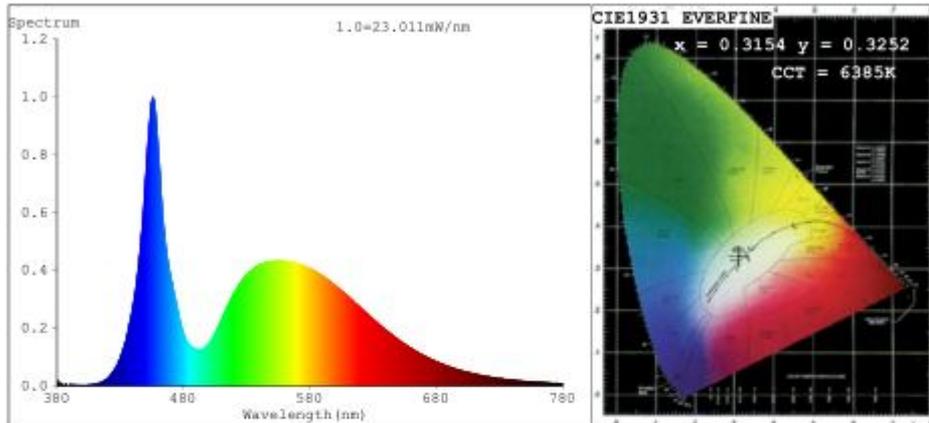


Notes: In order to better achieve product luminous effect, each 5 meters long lamp with power supply cable (regional), suggest that are connected to the power line

## installation



### Spectrum Test Report



#### Color Parameters:

Chromaticity Coordinate: $x=0.3154$   $y=0.3252/u'=0.2012$   $v'=0.4667$   
 CCT=6385K(Duv=-0.0001) Dominant WL:Ld =485.7nm Purity=6.7%  
 Ratio:R=13.2% G=81.8% B=5.0% Peak WL:Lp=456.1nm FWHM=19.9nm  
 Render Index:Ra=78.2  
 R1 =77 R2 =84 R3 =85 R4 =75 R5 =76 R6 =75 R7 =87  
 R8 =67 R9 =0 R10=58 R11=70 R12=43 R13=79 R14=91 R15=75

#### Photo Parameters:

Flux = 597.7 lm Eff. : 104.43 lm/W  $\eta_e = 1.930$  W

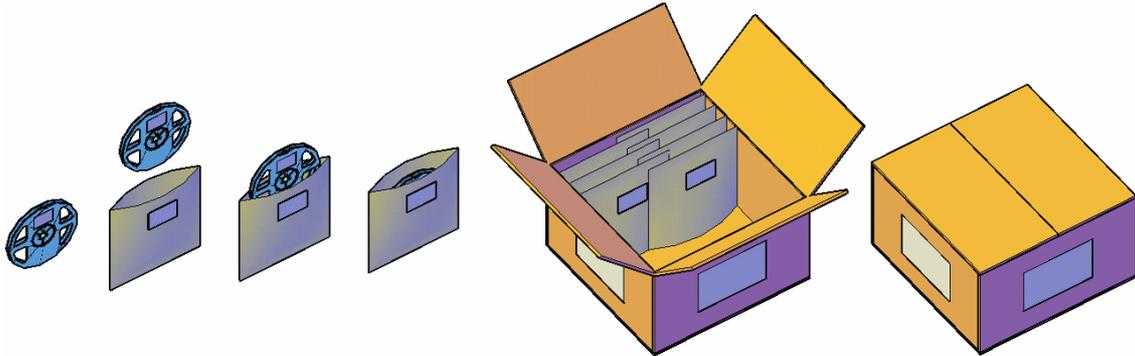
#### Electrical parameters:

V = 11.999 V I = 0.4770 A P = 5.724 W PF = 1.000  
 LEVEL:OUT WHITE:ANSI\_6500K

Status: Integral T = 215 ms Ip = 48119 (73%)

|                           |                                 |
|---------------------------|---------------------------------|
| Model:LM301-60D-12V 6500K | Number:19                       |
| Tester:LI                 | Date:2015-09-09                 |
| Temperature:25.3Deg       | Humidity:65.0%                  |
| Manufacturer:LEOMAY       | Remarks:Size:8MM 2 Ounce 5.7W/M |

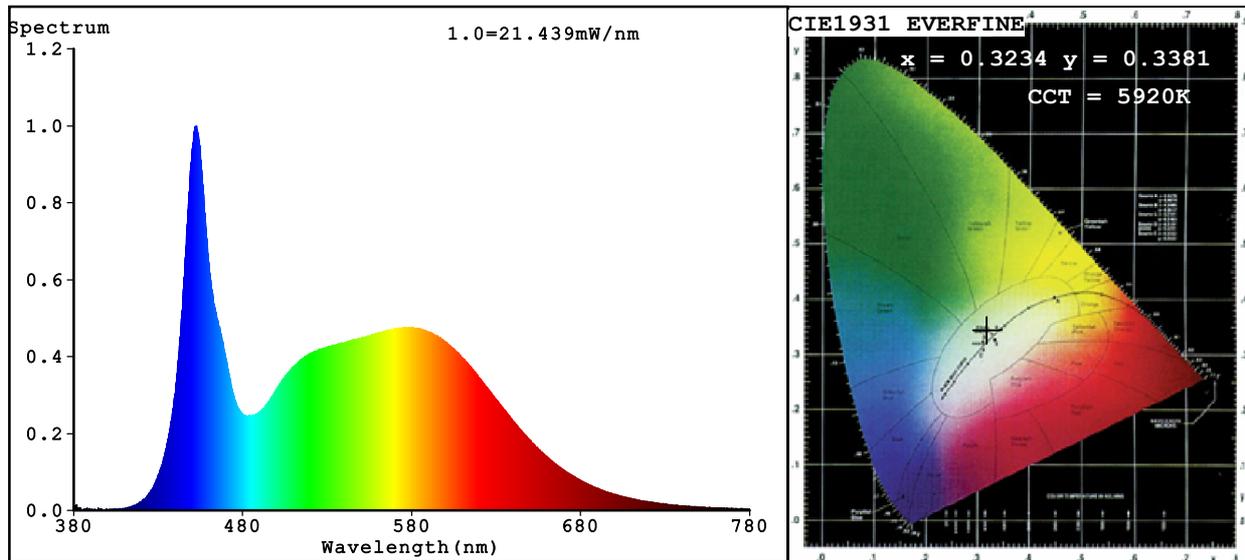
## Product packaging



## Safety Information

- The strip itself and all its components may not be mechanically stressed.
- Assembly must not damage or destroy conducting paths on the circuit board.
- Installation of LED ribbon (with power supplies) needs to be made with regard to all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations.
- Correct electrical polarity needs to be observed. Wrong polarity may destroy the strip.
- Parallel connection is highly recommended as safe electrical operation mode.
- Serial connection is not recommended. Unbalanced voltage drop can cause hazardous overload and damage the strip.
- Please ensure that the power supply is of adapters power to operate the total load.
- When mounting on metallic or otherwise conductive surfaces, there needs to be an electrical isolation points between strip and the mounting surface.
- Pay attention to standard ESD precautions when installing the strip.
- Damaged by corrosion will not be honored as a materials defect claim. It is the user's responsibility to provide suitable protection against corrosive agents such as moisture and condensation and other harmful elements.

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3234$   $y=0.3381$  /  $u'=0.2018$   $v'=0.4747$   
 CCT=5920K (Duv=0.0026) Dominant WL:  $L_d = 497.9\text{nm}$  Purity=3.1%  
 Ratio: R=14.1% G=80.3% B=5.6% Peak WL:  $L_p=452.4\text{nm}$  FWHM=21.2nm  
 Render Index: Ra=83.3  
 R1 =81 R2 =90 R3 =94 R4 =82 R5 =82 R6 =85 R7 =87  
 R8 =67 R9 =4 R10=75 R11=81 R12=59 R13=84 R14=97 R15=76

**Photo Parameters:**

Flux = 650.2 lm Eff. : 105.70 lm/W Fe = 2.056 W  
 Photosynthetic: PPF: 9.1576  $\mu\text{mol}/\text{m}^2/\text{s}$  PAR WATT: 2029.1  $\text{mW}/\text{m}^2$  (400-700nm)

**Electrical parameters:**

V = 23.999 V I = 0.2563 A P = 6.151 W PF = 1.000  
 LEVEL: OUT WHITE: ANSI\_5700K

Status: Integral T = 232 ms Ip = 36651 (56%)

Model: LM3014-WN60-W-24V-白光  
 Tester: Jim  
 Temperature: 25.3Deg  
 Manufacturer:

Number: 108  
 Date: 2019-04-26  
 Humidity: 65.0%  
 Remarks: 1M/ip20 1206/150R\*2