

LED Flexible Strip 3528 Series

LM3528-120D-12V/24V



Product feature

- ◆ 5 meters roll, every 120 meters lamp, the theoretical power per meter 9.6W, Power rating:48W/5M ,angle light 120 degrees. 6-9lm 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.
- ◆ each 2.5 or 5 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 voltage 12V, 24V safe DC voltage drive, people and animals can be directly contact, safe and reliable.
- ◆ 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

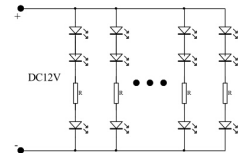
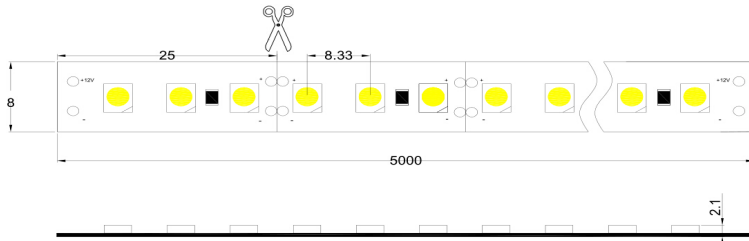


Technical parameters

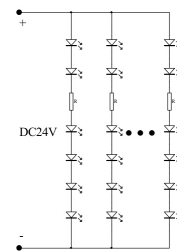
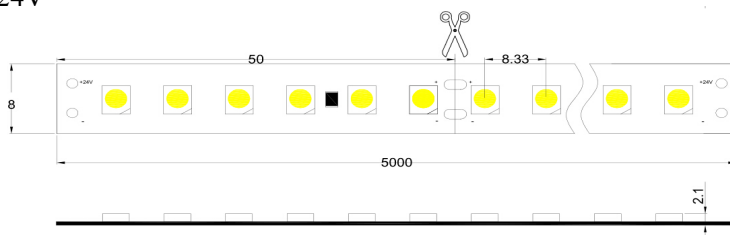
Mode	LED Q'ty/M	Color	CCT/Chromaticity	Lumen/led(lm)	CRI(Ra)	Voltage (V DC)	Current (A/m)	Max.Power Consumption(W/m)	FPC Width/thickness
LM3528-WN-120	3528SMD 120PCS/M	Natural White	4000-4200K	7-8lm	75-90	12/24V	0.8/0.4A	9.6W/m	8mm/2 Ounce
		White	6000-6500K						
		warm white	2600-2800K	6-8lm					
		warm white	3000-3200K						
		Red	617-627nm	--					
		Blue	464-474nm	--					
		Green	515-525nm	--					
		Yellow	585-600nm	--					

Dimension(mm/inch)

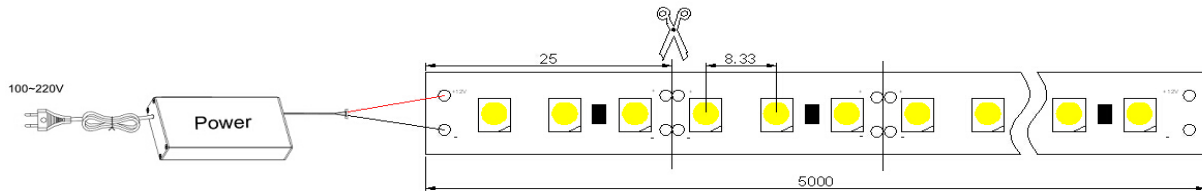
12V



24V

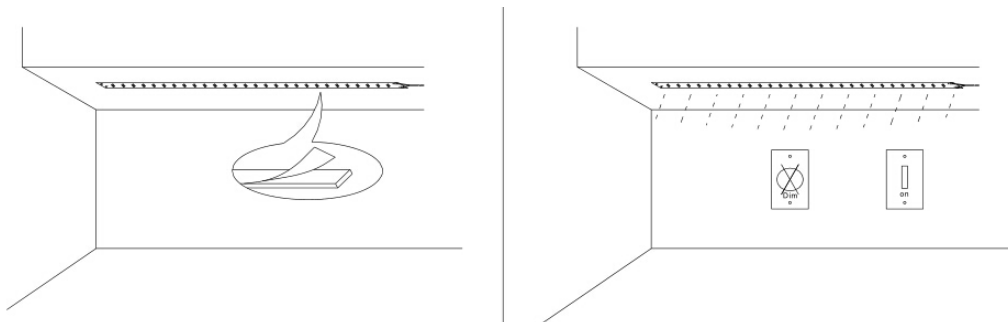


Linking operation

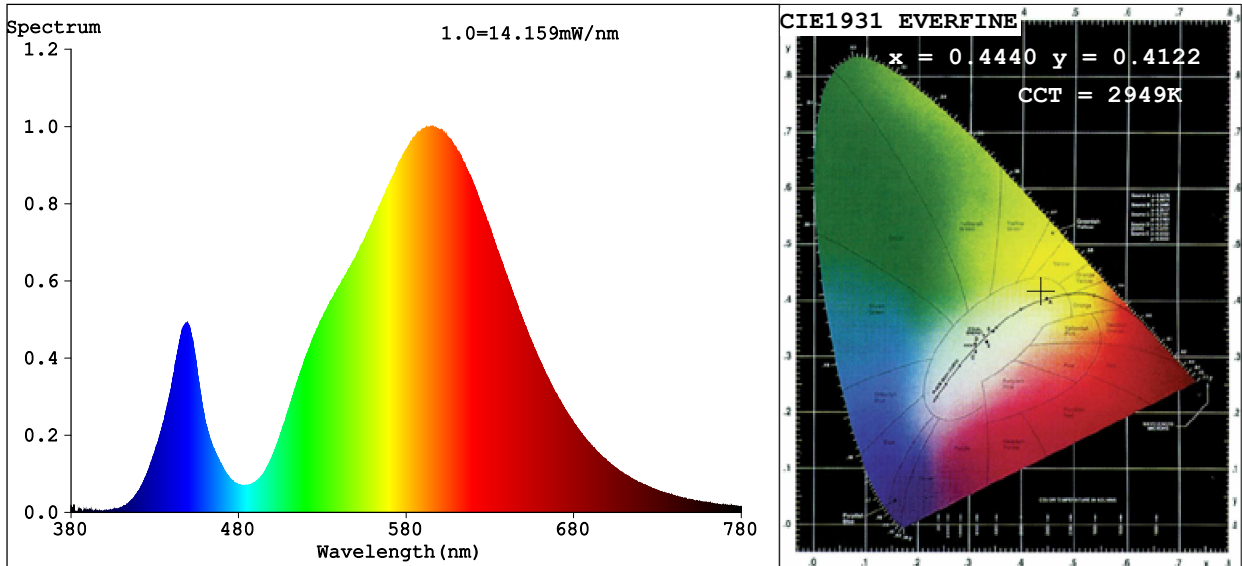


Notes: In order to better achieve product luminous effect, each 5 meters long lamp with power supply cable (regional), suggest that are connected to the power line

installation



Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4440$ $y=0.4122$ / $u'=0.2516$ $v'=0.5256$
 CCT=2949K (Duv=0.0022) Dominant WL:Ld =582.3nm Purity=57.0%
 Ratio:R=21.4% G=77.3% B=1.3% Peak WL:Lp=596.2nm FWHM=120.0nm
 Render Index:Ra=70.5
 R1 =67 R2 =79 R3 =90 R4 =67 R5 =65 R6 =70 R7 =79
 R8 =45 R9 =-31 R10=52 R11=61 R12=41 R13=69 R14=94 R15=60

Photo Parameters:

Flux = 690.4 lm Eff. : 82.44 lm/W Fe = 1.963 W

Electrical parameters:

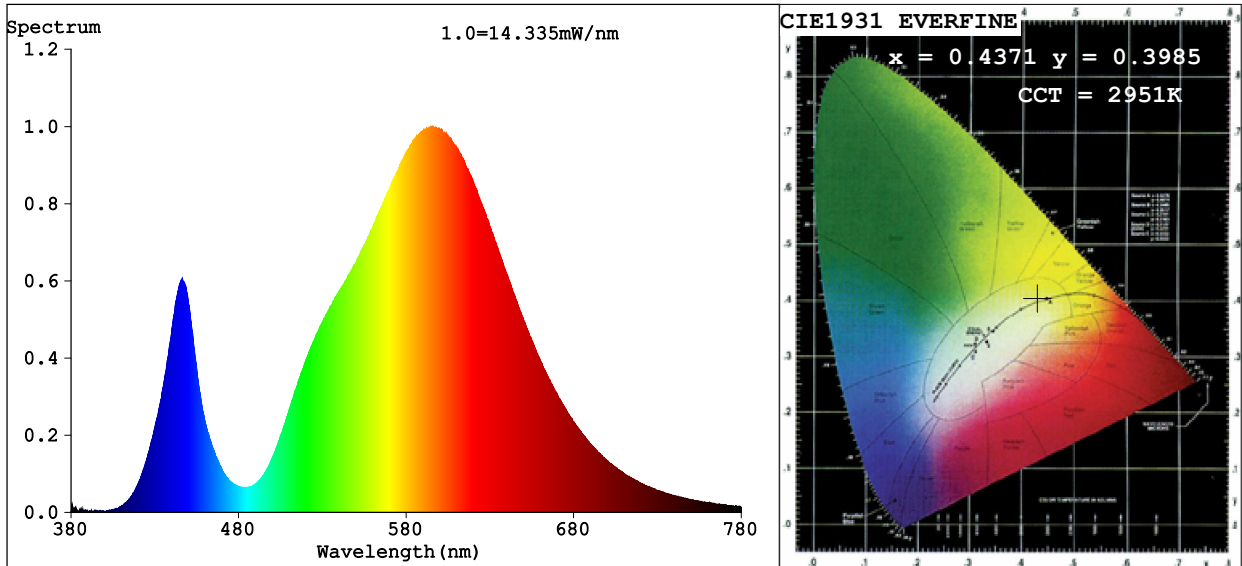
V = 12.317 V I = 0.6799 A P = 8.374 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 262 ms Ip = 43506 (66%)

Model:LM3528-120D-12V 3000K
 Tester:LI
 Temperature:25.3Deg
 Manufacturer:LEOMAY

Number:05
 Date:2015-09-09
 Humidity:65.0%
 Remarks:Size:8MM 2 Ounce 8.3W/M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4371$ $y=0.3985$ / $u'=0.2531$ $v'=0.5192$
 CCT=2951K (Duv=-0.0022) Dominant WL:Ld =583.9nm Purity=50.8%
 Ratio:R=21.7% G=76.9% B=1.4% Peak WL:Lp=595.9nm FWHM=119.1nm
 Render Index:Ra=71.0
 R1 =68 R2 =80 R3 =90 R4 =67 R5 =66 R6 =71 R7 =78
 R8 =46 R9 =-27 R10=53 R11=61 R12=45 R13=70 R14=94 R15=62

Photo Parameters:

Flux = 692.0 lm Eff. : 80.61 lm/W Fe = 2.017 W

Electrical parameters:

V = 24.533 V I = 0.3499 A P = 8.584 W PF = 1.000

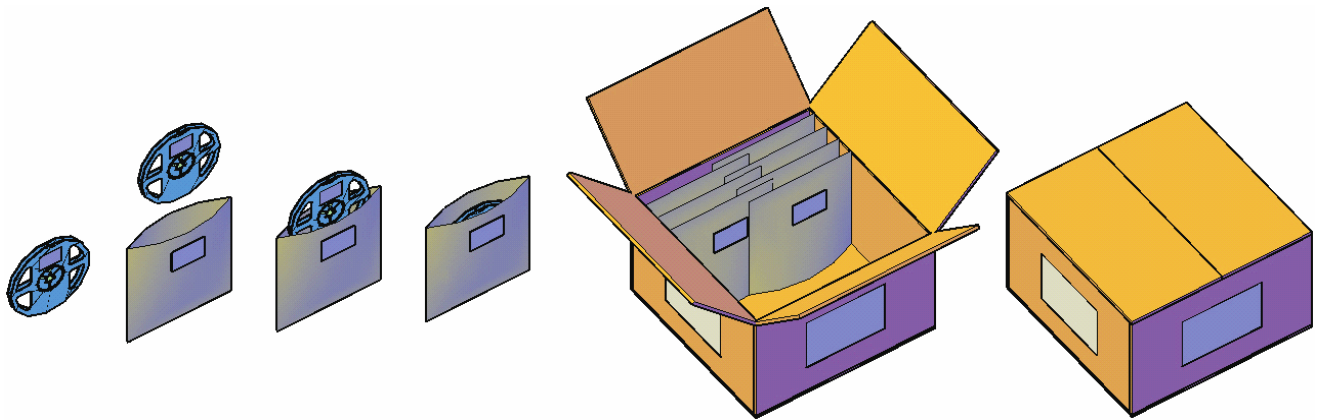
LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 324 ms Ip = 54096 (83%)

Model:LM3528-120D-24V 3000K
 Tester:LI
 Temperature:25.3Deg
 Manufacturer:LEOMAY

Number:29
 Date:2015-09-10
 Humidity:65.0%
 Remarks:Size:8MM 2 Ounce 8.6W/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.