

## Datasheet

LED Strip Specification

LED strip type:  
**LS24CT120X3527PLX**

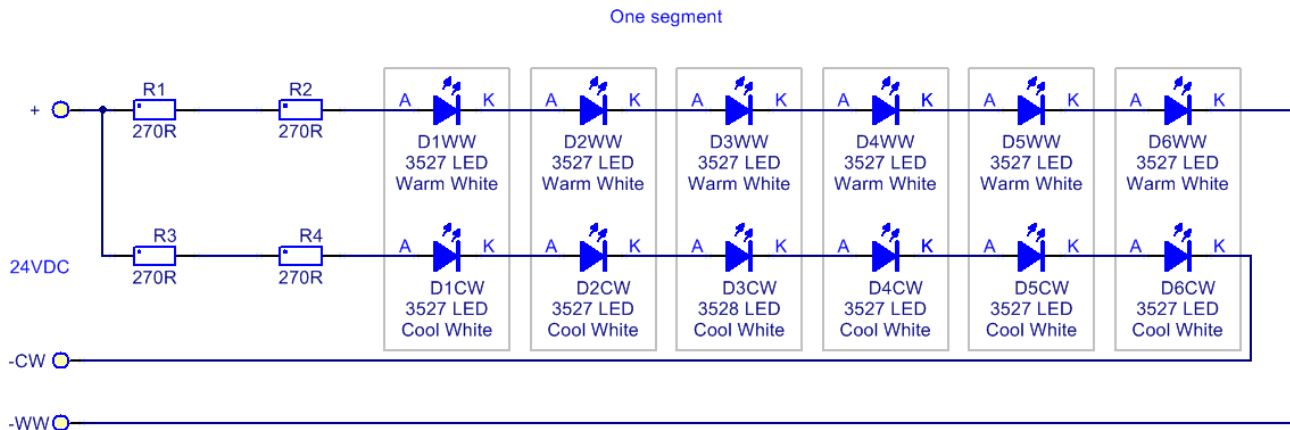
Description:  
**LuxaLight LED Strip 24V Color Temperature Protected 3527  
(24 Volt, 240 LEDs, 3527, IP64)**



Date:  
11-7-2015

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## Circuit Diagram:



## Parameters:

Basic Parameters	
LED Type	3527 SMD CT
Color	Warm White / Cool White
CRI	≥ 80 Ra
Viewing Angle (θ)	120 ±5°
LED Qty	240 LEDs / mtr
IP grade	IP64 Silicone
Dimensions	1000 * 10 * 4mm
Weight	60g ~ 70g / meter
Lifespan	MTBF >100,000hours

Environment Parameters	
Working Temperature	-25°C ~ +70°C
Storage Temperature	-20°C ~ +60°C

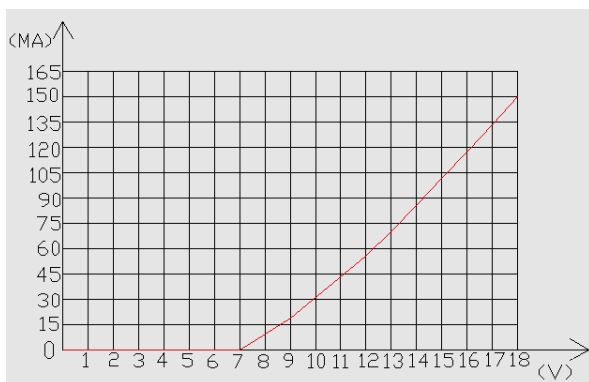
Electronic Specifications	
Working Voltage	DC24V
Working Current	0.8A / mtr
Working Wattage	19.2W / mtr
Driving Method	Constant Voltage

Wires & connection length	
Wires	UL1007 20# 150mm
Length per segment	50mm
LEDs / segment	12
Standard length on a reel	10m
Maximum length in serial connection	5m

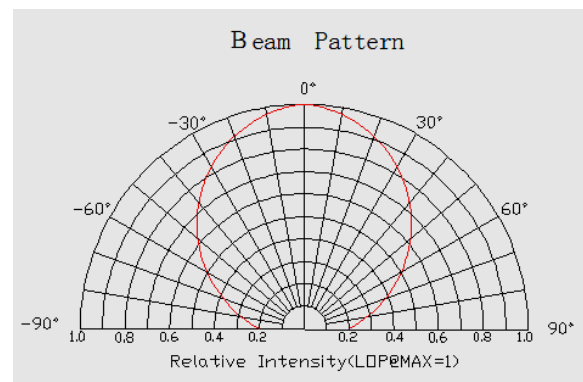
Luminous Flux (Lumen/Meter)	
Warm White	1022 Lumen
Cool White	1246 Lumen

Wave Length/ Color Temperature	(nm/k)
Warm White	2500 ~ 3000 K
Cool White	7000 ~ 8000 K

### Volt-ampere Characteristic Curve:



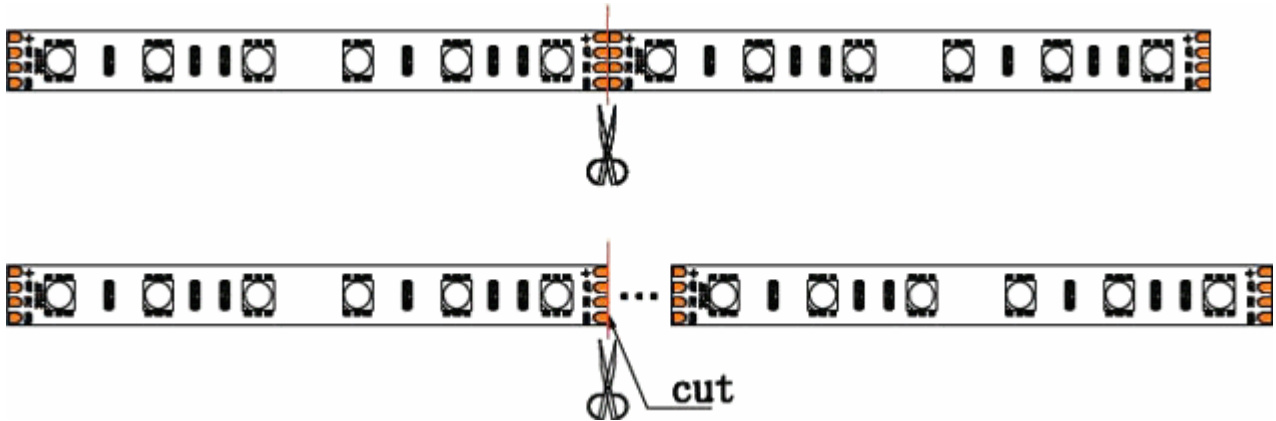
### Optical Characteristics Curve:



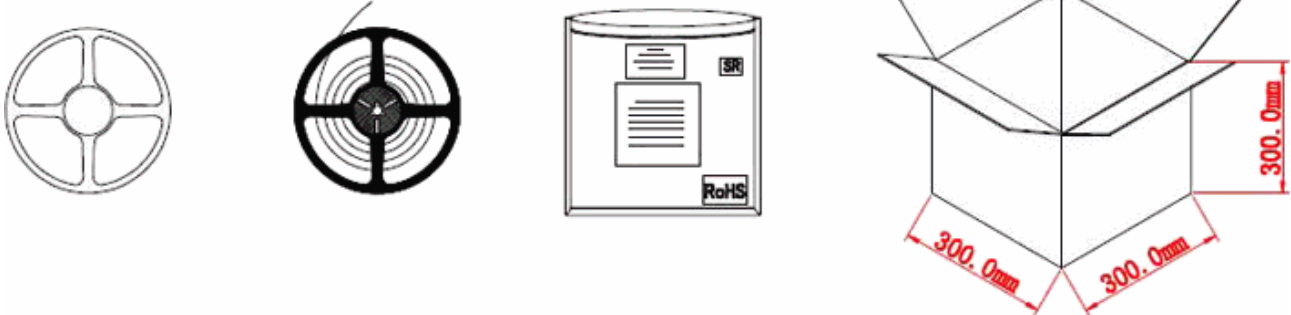
## The Materials of PCB:

Epoxy PCB with white finishing.  
Conducting Tracks: Cu, 35um thickness, double sided.

Solderings:  
Solder Alloy: 99.3 Sn, 0.7 Cu,  
Melting Temperature: 227°C  
No SVHC (17-Dec-2014)



## Packing:



## Certificate of Conformity:

EC Council Directive 2004/108/EC  
Electromagnetic Compatibility  
Registration No.: ATE20120944

## Complies to the Standards:

- EN 55015: 2006 + A1: 2007 + A2: 2009
- EN 61000-3-2: 2006 + A1: 2009 + A2: 2009
- EN 61000-3-3: 2008
- EN 61547: 2009

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