

Datasheet

LED Strip Specification

LED strip type:
LS24WW240X2835PLX

Description:
**LuxaLight LED Strip 24V Warm White Protected 2835
(24 Volt, 240 LEDs, 2835, IP64)**

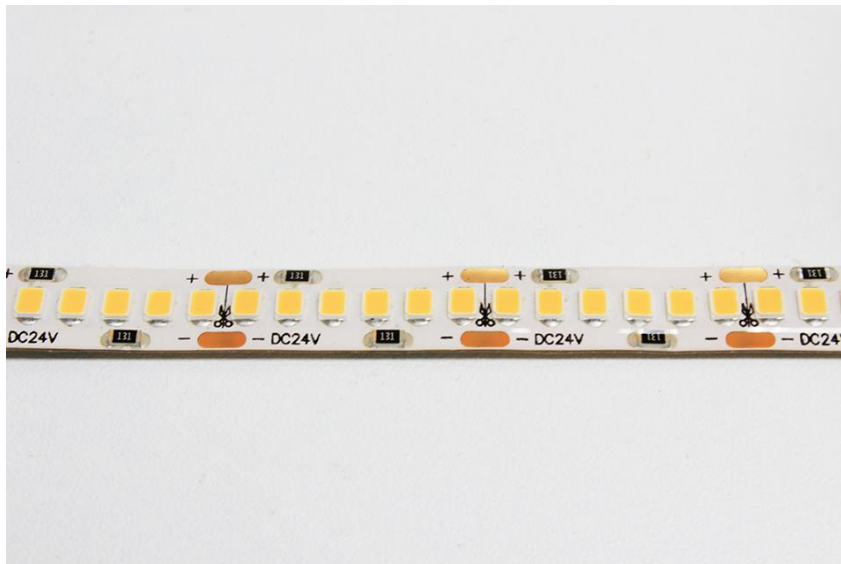


Date:
06-06-2018

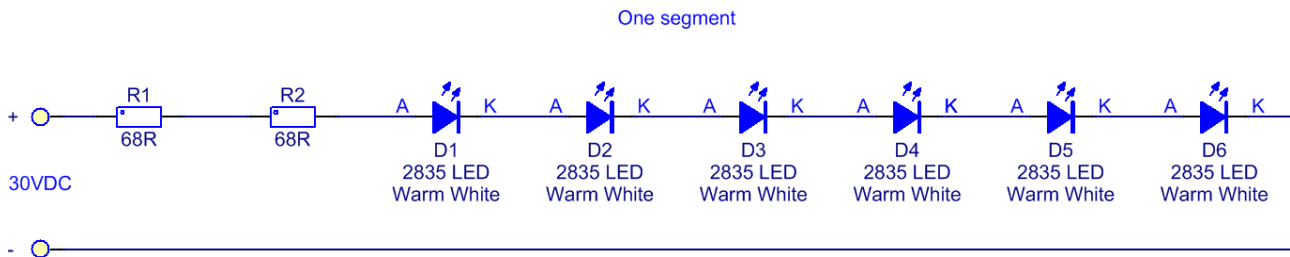
Page 1 of 6

Features:

- Super bright SMD2835 as the light source, high brightness, wide beaming angle with good consistent aperture and no shadow
- Use double-side imported rolled copper FPC, good folding endurance disconnected
- Low voltage DC24V, constant voltage drive
- Long life time is up to 100,000 hours
- All raw materials comply with CE, RoHS



Circuit Diagram:



Parameters:

Basic Parameters	
LED Type	2835 SMD
Color	Warm White
CRI	≥ 90 Ra
Viewing Angle (θ)	120 ±5°
LED Qty	240 LEDs / mtr
IP grade	IP64
Dimensions Reel	5000 * 8 * 3mm
Weight	60g ~ 70g / meter
Lifespan	MTBF >100,000hours

Environment Parameters	
Working Temperature	-25°C ~ +75°C
Storage Temperature	-20°C ~ +60°C

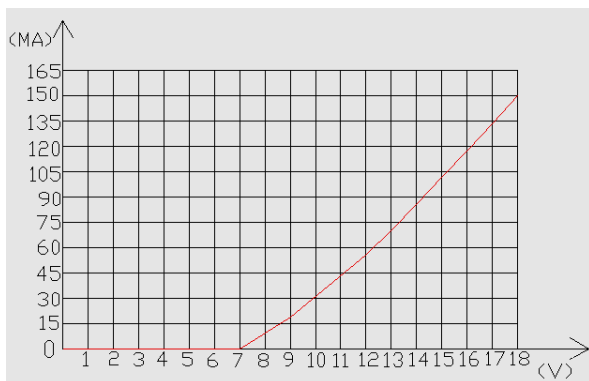
Electronic Specifications	
Working Voltage	DC24V
Working Current	1 A / mtr
Working Wattage	24 W / mtr
Driving Method	Constant Voltage

Wires & connection length	
Wires	UL1007 20# 150mm
Length per segment	50mm
LEDs / segment	6
Standard length in serial connection	5m
Maximum length in serial connection	5m

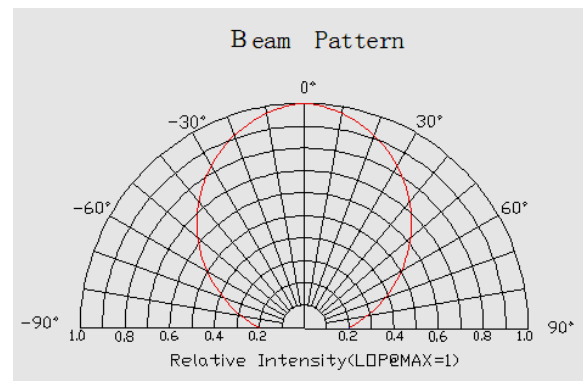
Luminous Flux (Lumen/Meter)	
Warm White	2500 Lumen

Wave Length/ Color Temperature	(nm/k)
Warm White	2500 ~ 2700 K

Volt-ampere Characteristic Curve:



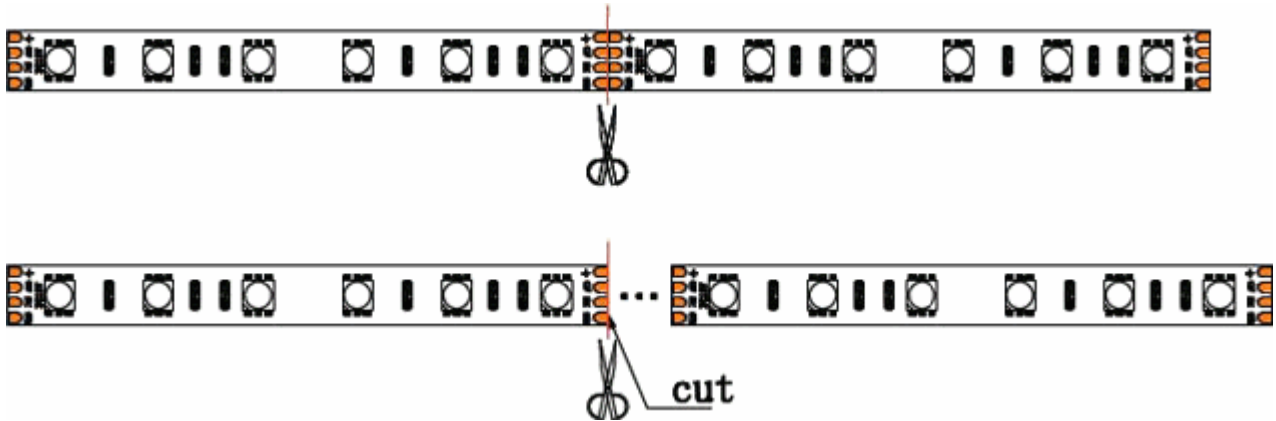
Optical Characteristics Curve:



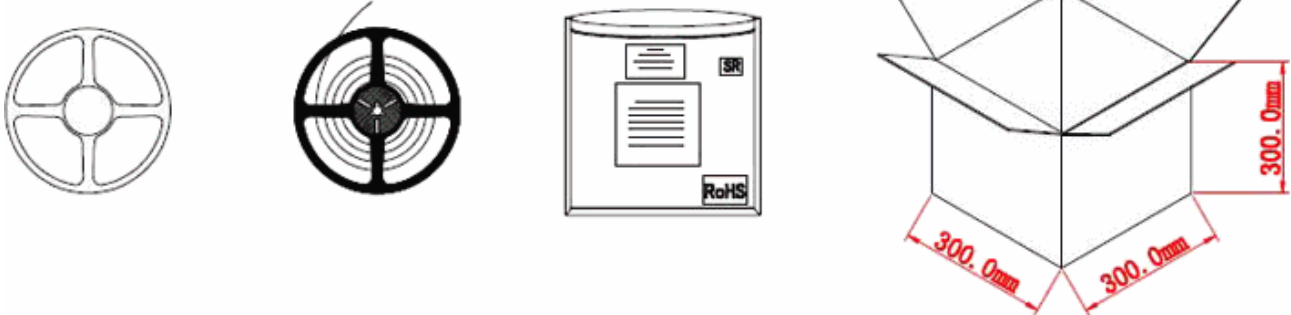
The Materials of PCB:

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

While LuxaLight has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does LuxaLight make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. LuxaLight reserves the right to make any adjustments to the information contained herein at any time without notice. LuxaLight expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult LuxaLight for the latest dimensions and design specifications.