

Datasheet

LED Strip Specification

LED strip type:
LS24CT240X3527PLX

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



Date:
11-7-2015

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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	70,000hours
LB Value	L80B50

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

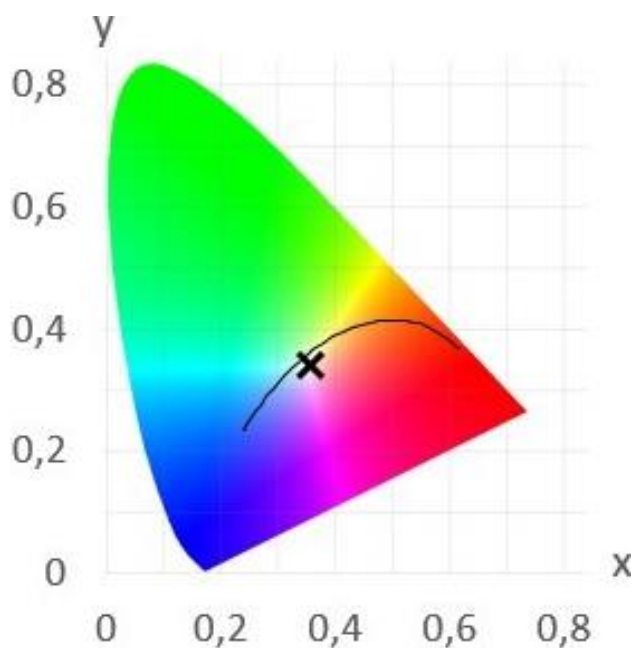
Electronic Specifications	
Working Voltage	DC24V
Working Current	0.8A / mtr
Working Wattage	19.2W / mtr
Driving Method	Constant Voltage

Wires & connection length	
Wires	UL1007 20# 150mm
Length per segment	25mm
LEDs / segment	6
Standard length on a reel	10m

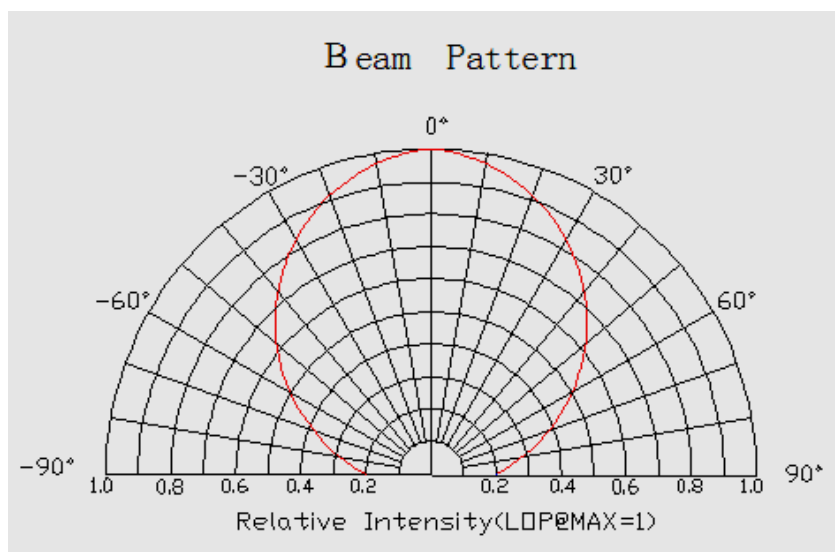
Luminous Flux (Lumen/Meter)	
Warm White	1022 Lumen
Cool White	1246 Lumen

Wave Length/ Color Temperature (nm/k)	
Warm White	2400 ~ 2600 K
Cool White	8600 ~ 8800 K

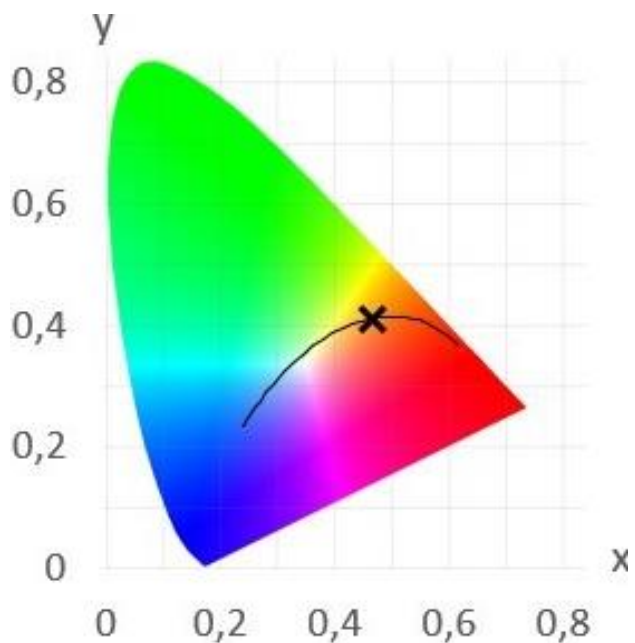
CIE1931 WW+ CW:



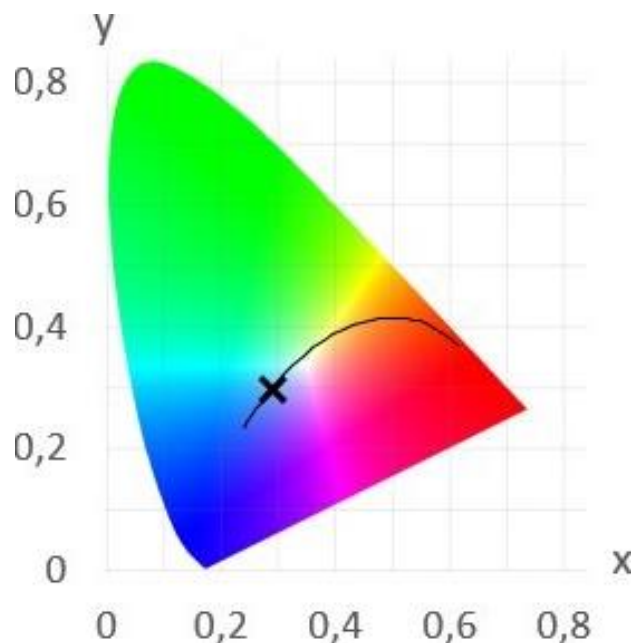
Optical Characteristics Curve:



CIE1931 Warm White:

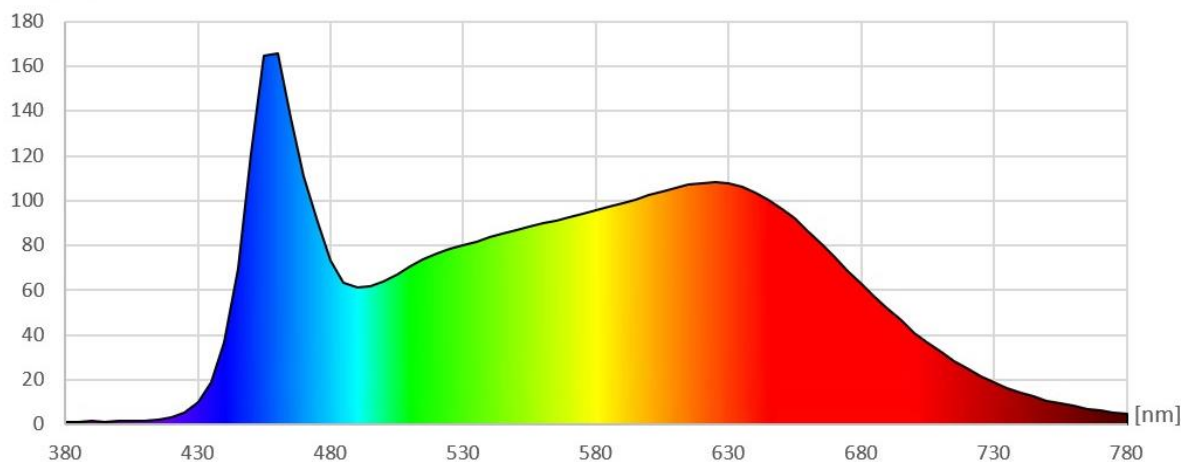


CIE1931 Cool White:



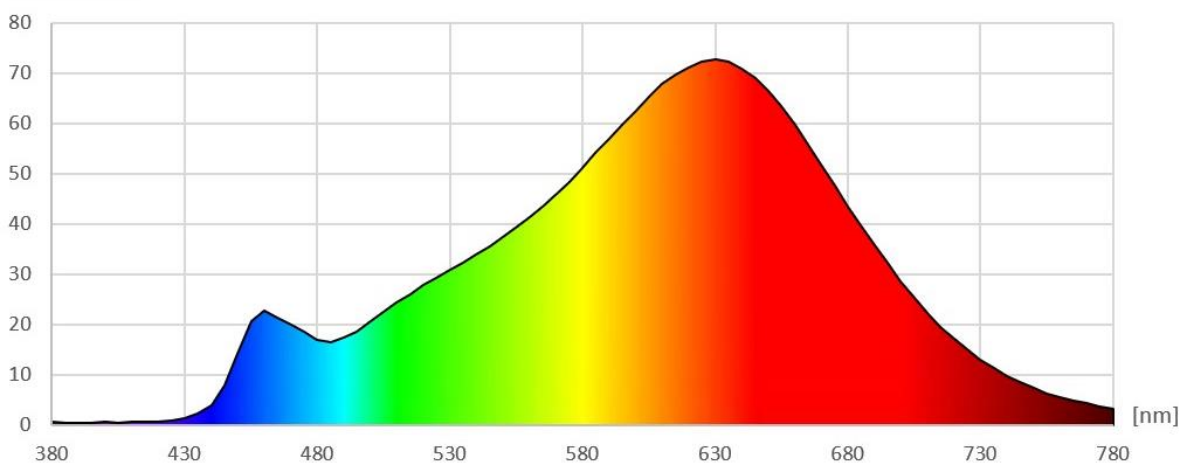
Wave Length WW + CW:

mW/m²/nm



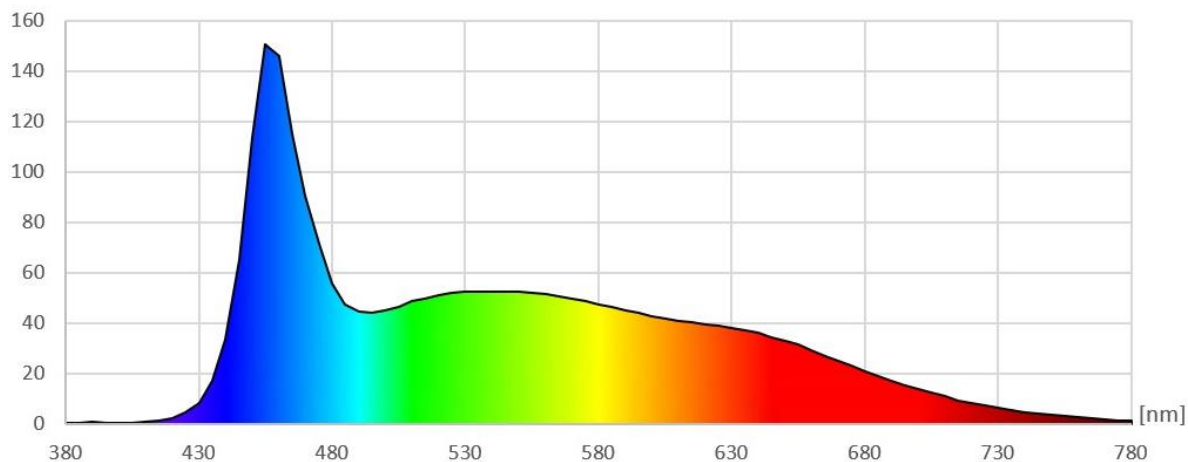
Wave Length Warm White:

mW/m²/nm



Wave Length Cool White:

mW/m²/nm



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)

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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