

Datasheet

LED-strip specification

LED-strip type:
LS24R512XCOBXILX

Description:
**LuxaLight COB LED-strip Red Indoor
(24 Volt, 512 LEDs, COB, IP20)**



Date:
14-09-2022

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Basic Parameters	
LED Type	COB
Color	Red
Viewing Angle (θ)	120 \pm 5°
LED Qty	512 LEDs/ mtr
IP grade	IP20
Dimensions	1000 * 10 * 3mm
Weight	25g ~ 35g/ meter
Mounting	3M tape VHB4905
Lifespan	70,000hours
LB Value	L80B10
BIN	3 SDCM
Warranty	5 Years

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

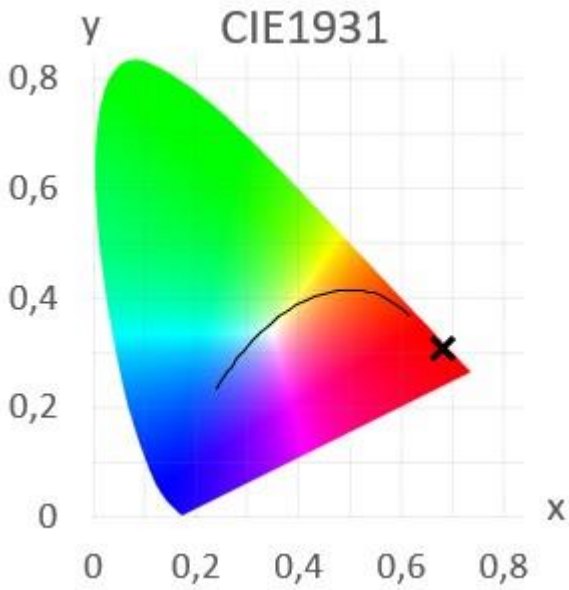
Electronic Specifications	
Working Voltage	DC24V
Working Current	0.63 A/ mtr
Working Wattage	15 W/ mtr
Driving Method	Constant Voltage

Wires & connection length	
Wires	UL1007 20# 150mm
Length per segment	31,25mm
LEDs / segment	16
Standard length on a reel	10m

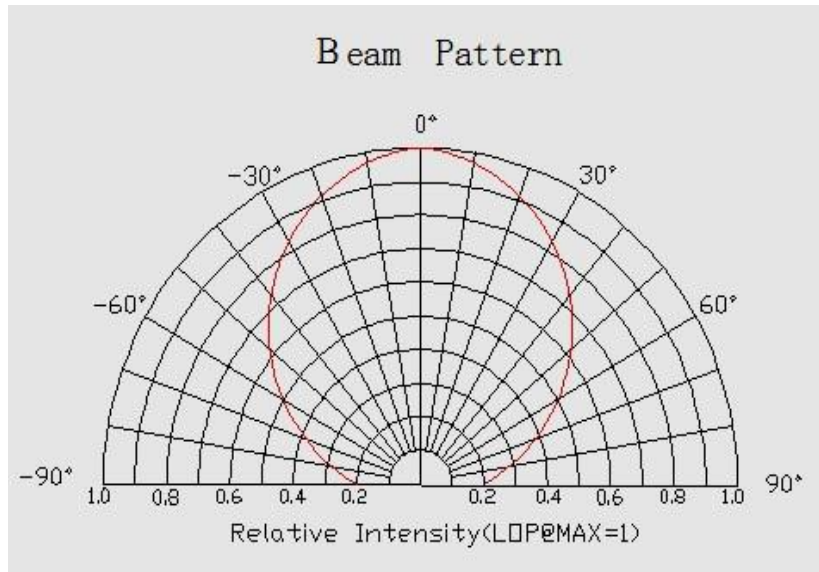
Luminous Flux (Lumen/Meter)	
Red	180 Lumen

Wavelength/ Color Temperature	(nm/k)
Red	620~630 nm

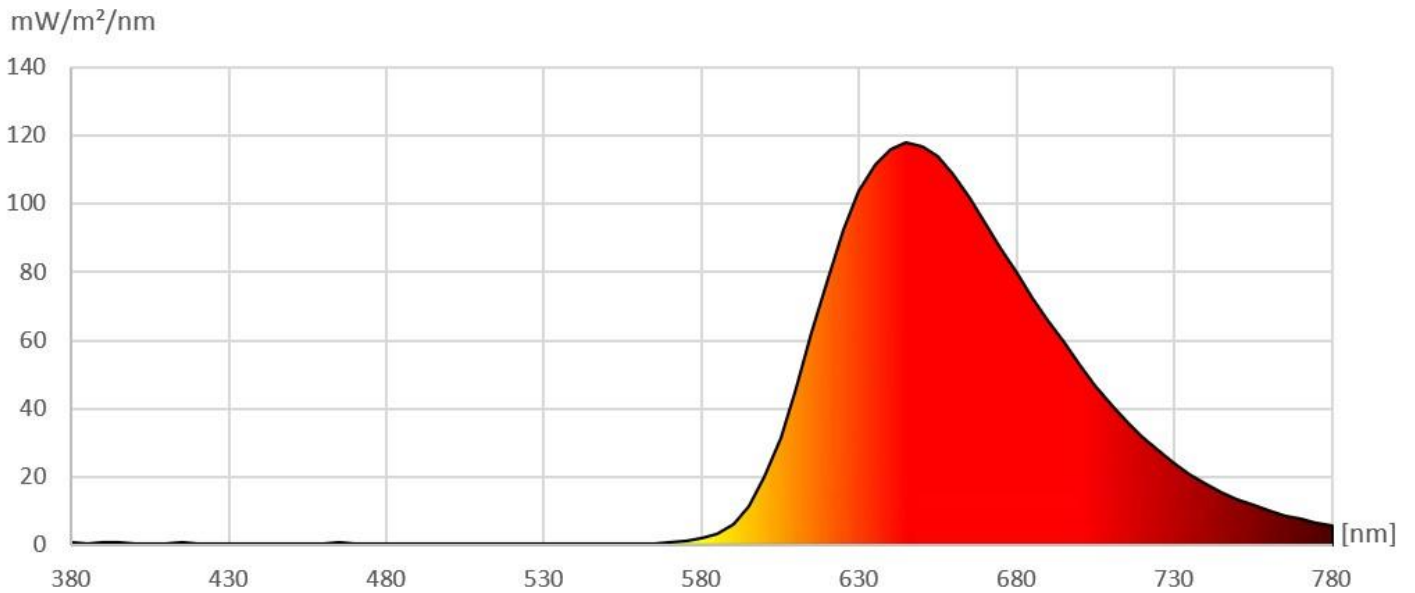
CIE1931 Red:



Optical Characteristics Curve:



Wavelength Red:



The Materials of PCB:

Conducting Tracks: Cu, 35um thickness, double sided.

Solderings:

Solder Alloy: 99.3 Sn, 0.7 Cu,

Melting Temperature: 227°C

No SVHC (Jan 2021)

Certificate of Conformity:

EC Council Directive 2004/108/EC

Electromagnetic Compatibility

Complies to the standards:

- NEN-EN-IEC 61000-3-2:2019/A1:2021
- NEN-EN-IEC 61000-3-3:2013+A1:2017+A2:2021
- NEN-EN-IEC 61547:2009

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