

Datasheet

LED-strip specification

LED-strip type:
LS12WCOBWLX5000K

Description:
**LuxaLight COB LED-strip White 5000K Waterproof
(12 Volt, 512 LEDs, COB, IP68)**



Date:
14-09-2022

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Basic Parameters	
LED Type	COB
Color	White
CRI	≥ 95 Ra
Viewing Angle (θ)	120 ±5°
LED Qty	512 LEDs/ mtr
IP grade	IP68 Silicone
Dimensions	1000 * 12 * 5mm
Weight	75g ~ 90g/ meter
Mounting	3M VHB4905
Lifespan	70,000hours
LB Value	L90B20
BIN	3 SDCM
Warranty	5 Years

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

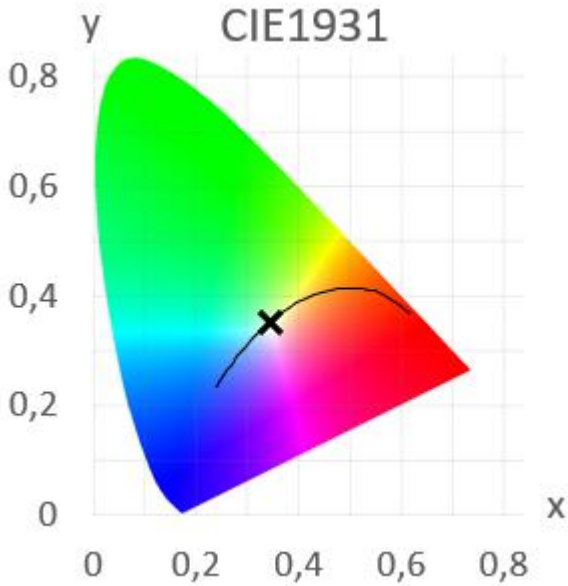
Electronic Specifications	
Working Voltage	DC12V
Working Current	1.25 A/ mtr
Working Wattage	15 W/ mtr
Driving Method	Constant Voltage

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

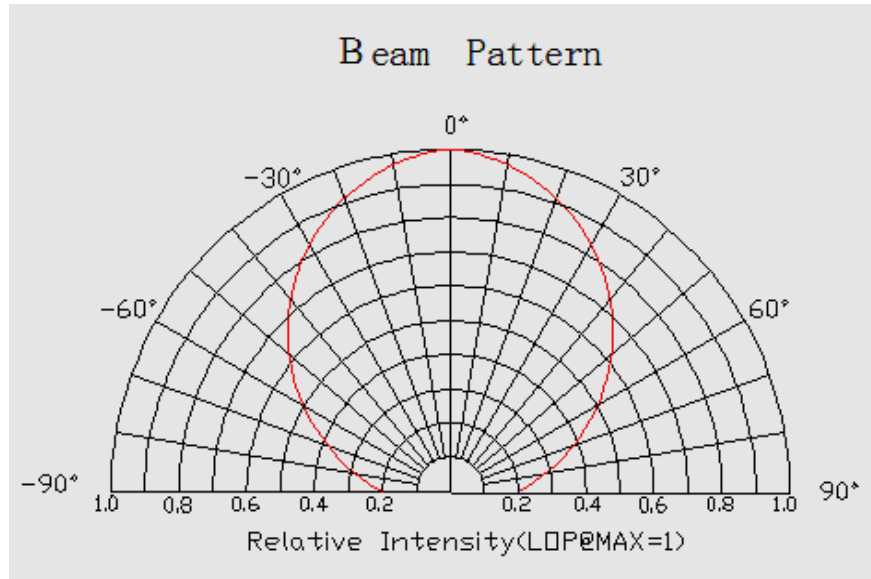
Luminous Flux (Lumen/Meter)	
White	1490 Lumen

Wavelength/ Color Temperature (nm/k)	
White	5000 K

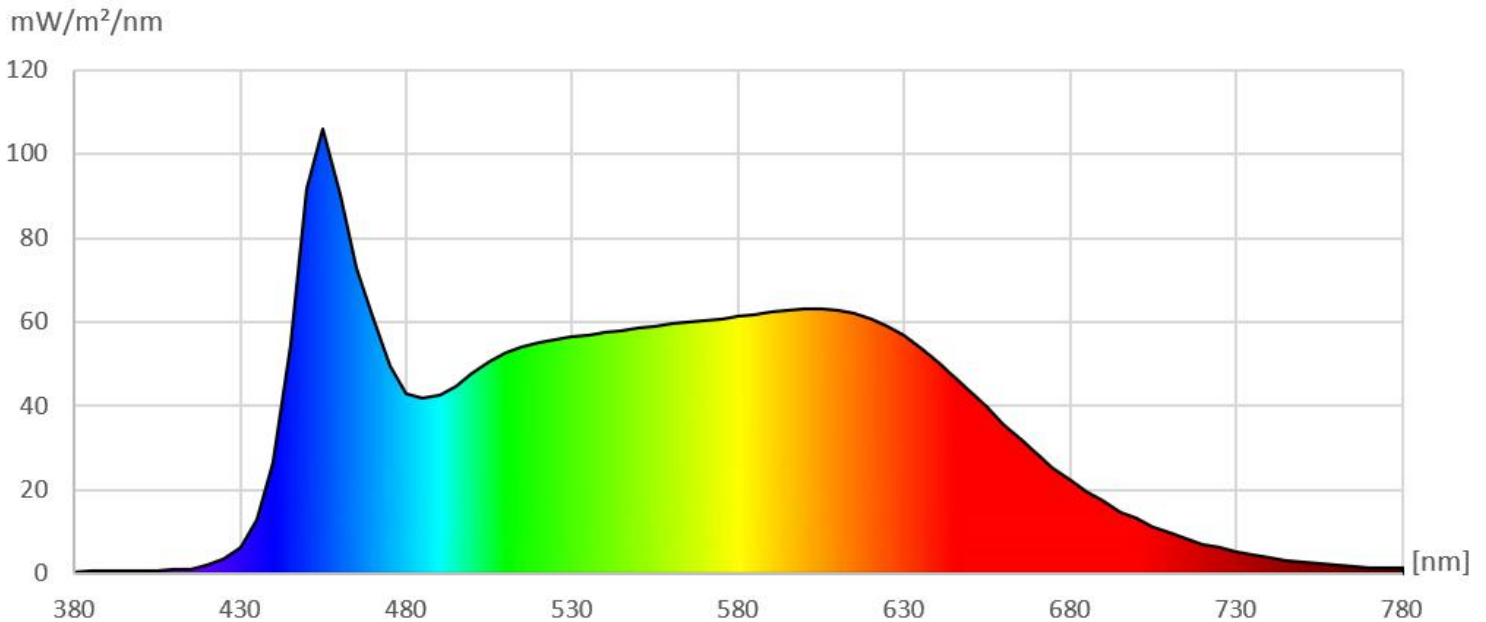
CIE1931 White:



Optical Characteristics Curve:



Wavelength White:



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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