

Datasheet

LED Strip Specification

LED strip type:

LS24RGBDMX51260X5050ILX

Description:

**DMX512 (UCS512) LuxaLight Long Life LED Strip Full-color Indoor
(24 Volt, 60 Leds, 5050, IP20)**



Date:
01-02-2017

Parameters:

Basic Parameters	
LED Type	5050 SMD
Color	RGB
Viewing Angle (θ)	120 ±5°
LED Qty	60 LEDs / mtr
IP grade	IP20
IC Chip	DMX512 (UCS512)
Pixels	6 leds (segment 100mm) 3 DMX channels
Dimensions	1000 * 12 * 3mm
Weight	35g ~ 40g / meter
Lifespan	70,000hours
LB Value	L80B10
Warranty	2 Years

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

Electronic Specifications	
Working Voltage	DC24V
Working Current	3x 0.2A / mtr
Working Wattage	14.4W / mtr
Driving Method	Constant Voltage

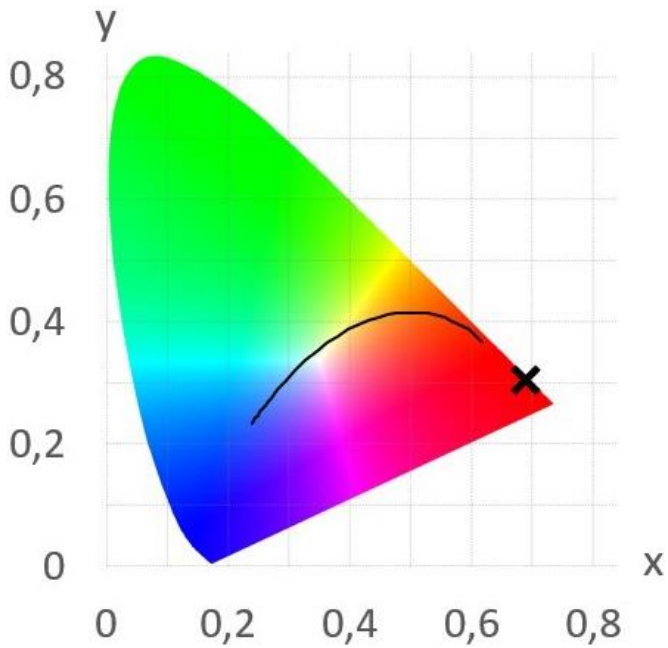
Wires & connection length	
Wires	UL1007 20# 150mm
Length per segment	100mm
LEDs / segment	6
Standard length on a reel	10m
Black	Ground (GND)
Red	Logic power supply (+5V)
Green	Data - (D-)
Blue	Data + (D+)
Yellow	Address writing (AW)

Luminous Flux (Lumen/Meter)	
Red	200 Lumen
Green	290 Lumen
Blue	185 Lumen

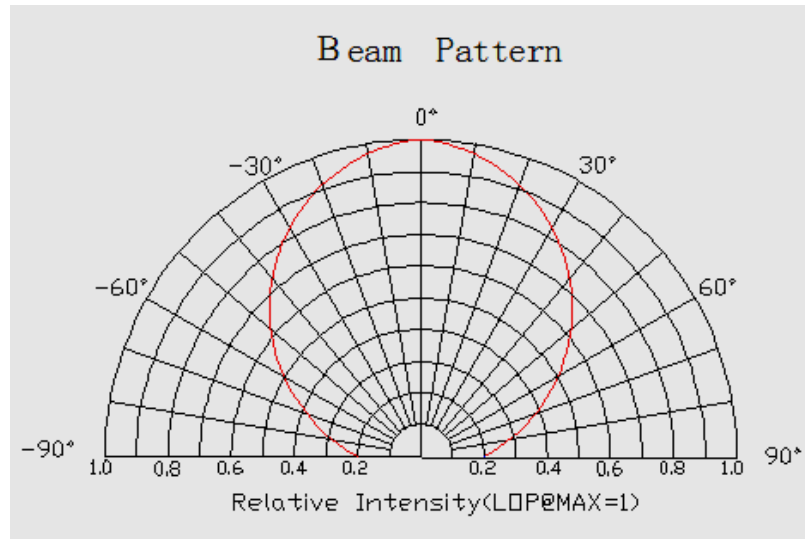
Wave Length/ Color Temperature (nm/k)	
Red	620~630 nm
Green	510~525 nm
Blue	455~470 nm

Wire color	Symbol	Function description
White	GND	Ground
Blue	B1	DMX Signal -
Red	A1	DMX Signal +
Green	Pi	Program IC
Black	24 V	24V logic power supply

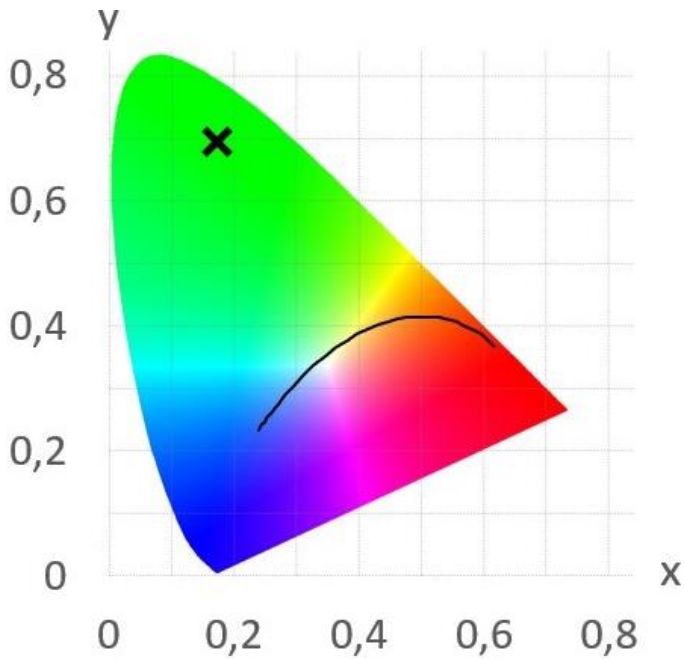
CIE1931 RED:



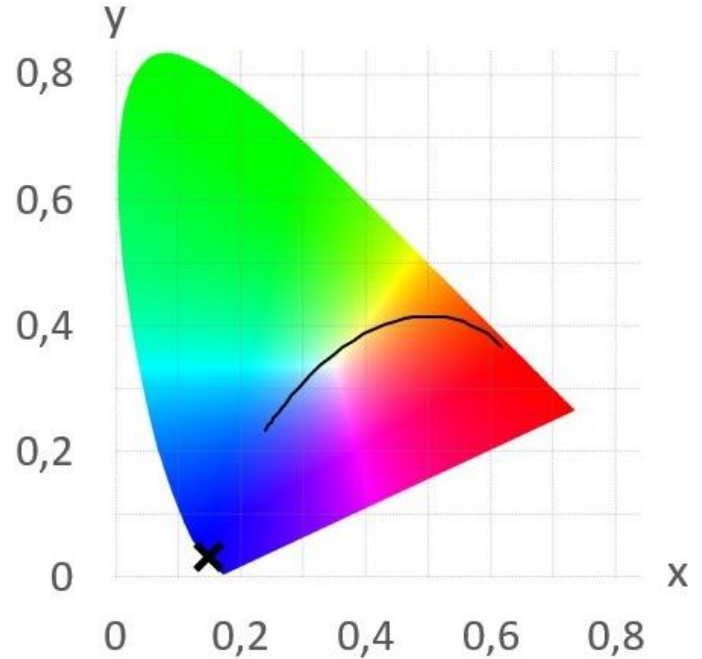
Optical Characteristics curve:



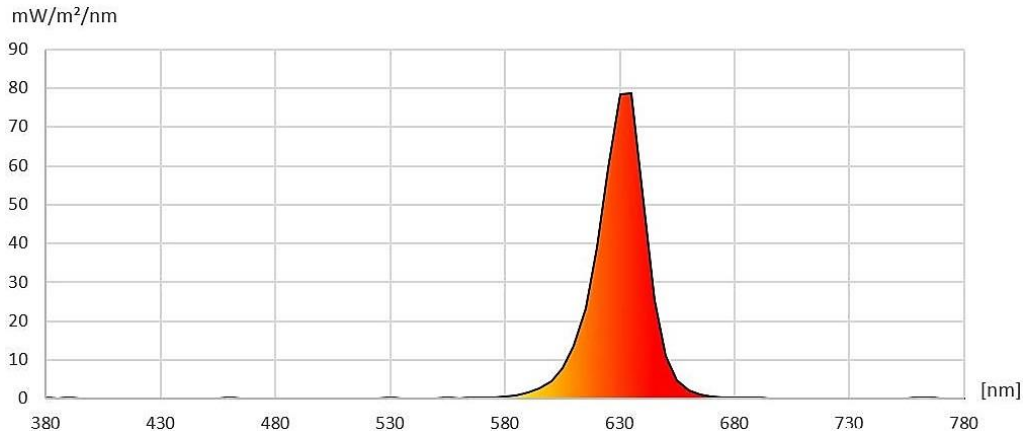
CIE1931 Green:



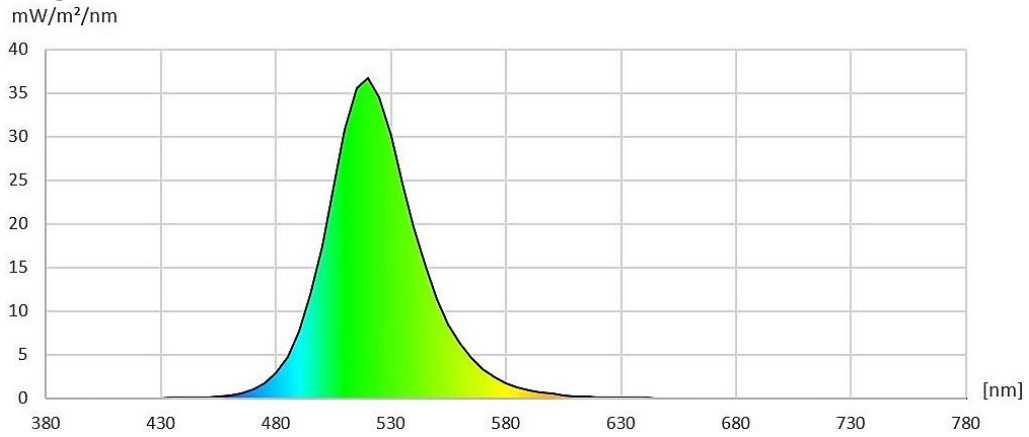
CIE1931 Blue:



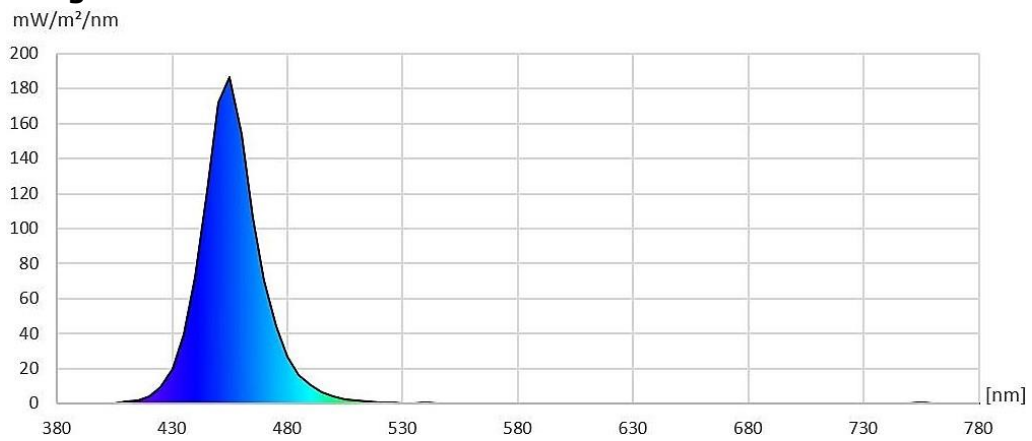
Wave Length Red:



Wave Length Green:



Wave Length Blue:



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

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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