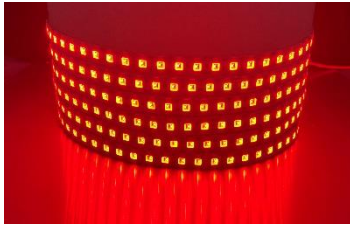
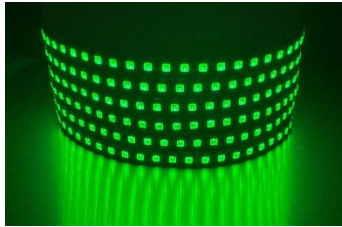


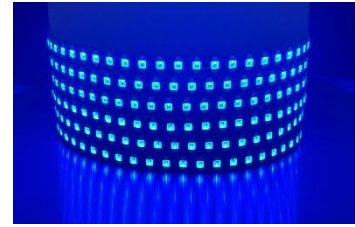
RGBCW FLEX Series



Red



Green



Blue



Warm White



Cool White



FLEX RGBCW with 3" Sections!

STANDARD CCTs FOR WW & CW		
2700K	3000K	3500K
4000K	5000K	
STANDARD CRIs		
80		
90		

Features and Description:

- High Efficiency Premium Flexible LED Tape
- Available in lengths up to 15 FT.
- A++ Energy Efficiency Class
- LED Tape is Cuttable after every 3" Section.
- 3M High Temperature Adhesive Backing
- Dimmable with compatible CC Drivers.
- Suitable for DLC 5.1.
- Luminaire Class: UL Class 2
- Maximum efficiency and ROHS compliant
- Assembled with UL recognized components.

Applications:

- Strip Light
- Linear Applications
- Display Lighting
- Edge Lighting
- General Illumination
- Cabinet Lighting





RGBCW FLEX with 3" Sections

1- Module Ordering Code:

CRI	Part Number	CRI	Part Number
80CRI	XXXGXAEZXXFXXX80VX	90CRI	XXXGXAEZXXFXXX90VX

Note: In the above part number,
XX stands for Length of the LED Flex strip,
XX stands for Total no. LEDs on the Flex strip,

XX CCT for Warm White
XX CCT for Cool White
X Wattage rating per FT

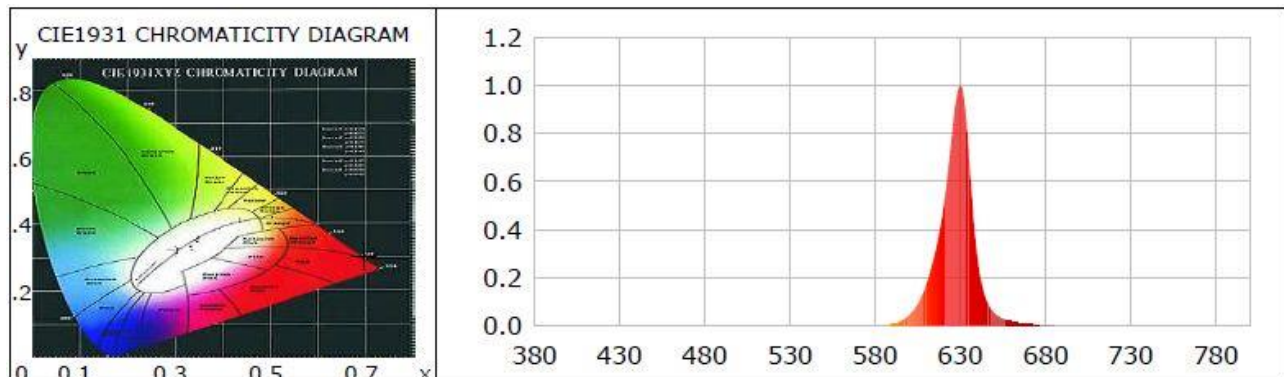
2- Photometric Parameters:

CCT	RED	GREEN	BLUE	2700K 80CRI	5000K 80CRI
No. of LEDs per FT	28				
Voltage	24 V				
Current per LED	39 mA	29 mA	20 mA	39.5 mA	37 mA
Current per FT	155 mA	116 mA	81 mA	158 mA	150 mA
Total Lumen per FT	180 lm	350 lm	50 lm	540 lm	550 lm
Luminous Efficacy per FT	49 lm/W	126 lm/W	27 lm/W	143 lm/W	153 lm
Wattage per FT	3.73 W	2.79 W	1.94 W	3.79 W	3.60 W
Abs. Max Current per FT	600 mA	600 mA	600 mA	1200 mA	1200 mA

*Characteristics at $T_j = 25^\circ\text{C}$ and above data is for Constant Voltage version.

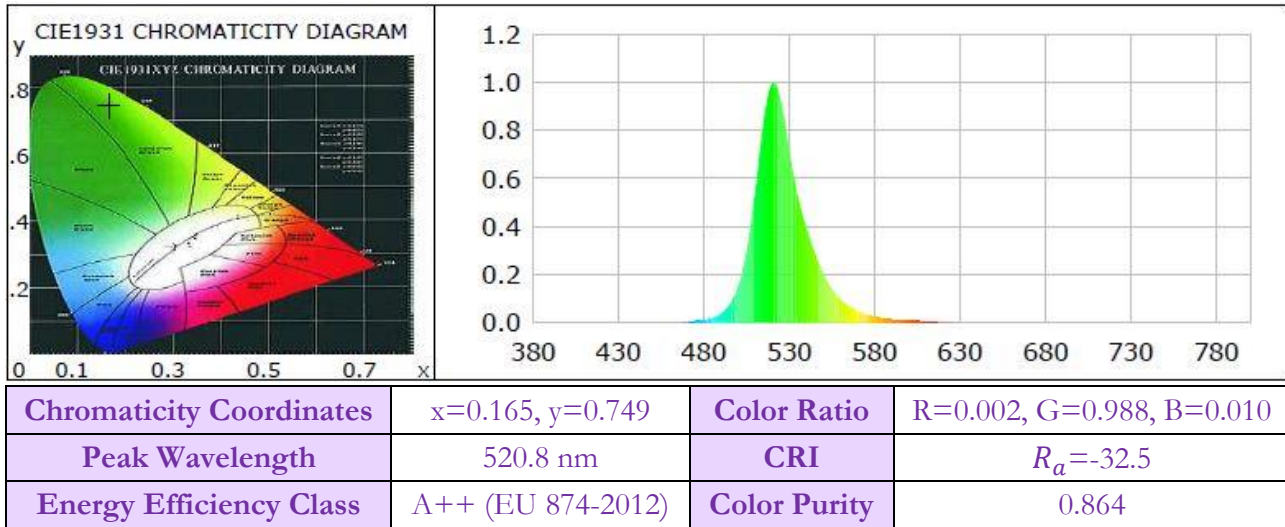
3- Light Characteristics:

a. RED

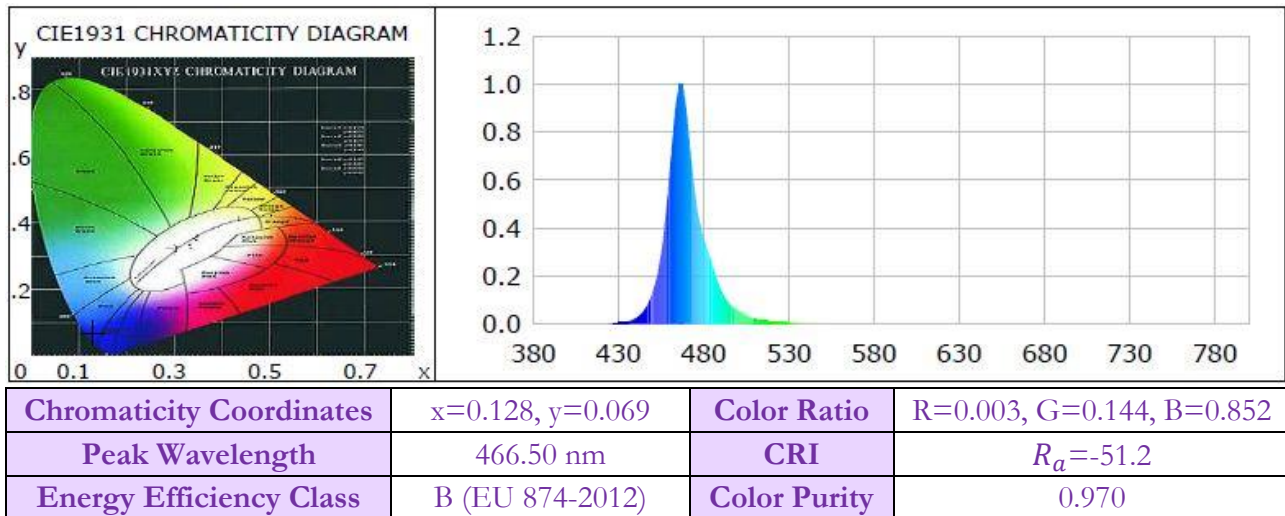


Chromaticity Coordinates	x=0.694, y=0.304	Color Ratio	R=0.976, G=0.024, B=0.000
Peak Wavelength	629.9 nm	CRI	$R_a=8.3$
Energy Efficiency Class	A (EU 874-2012)	Color Purity	0.999

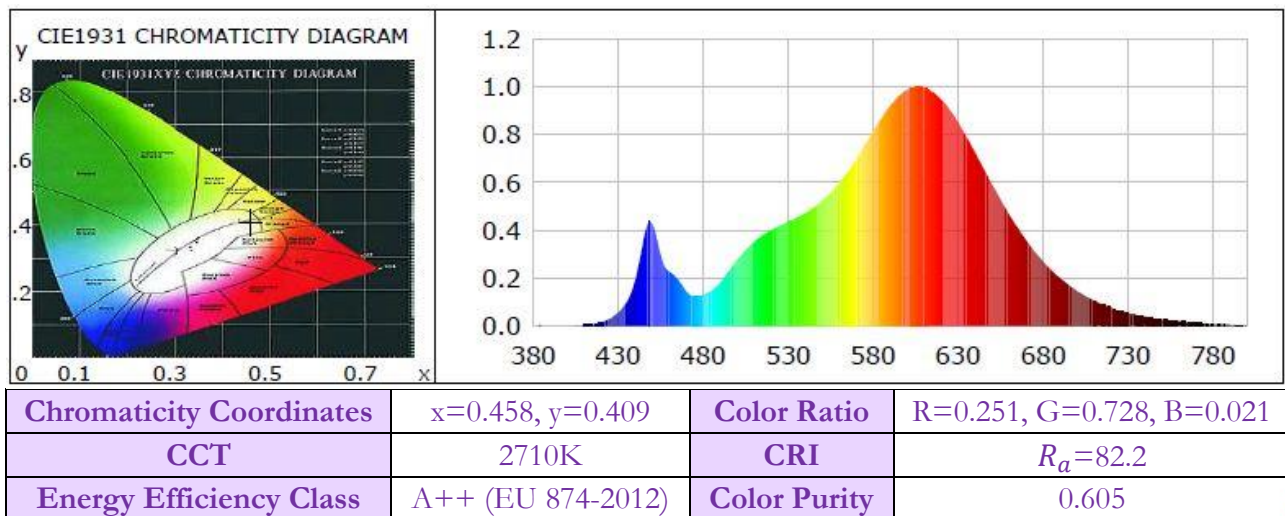
b. GREEN



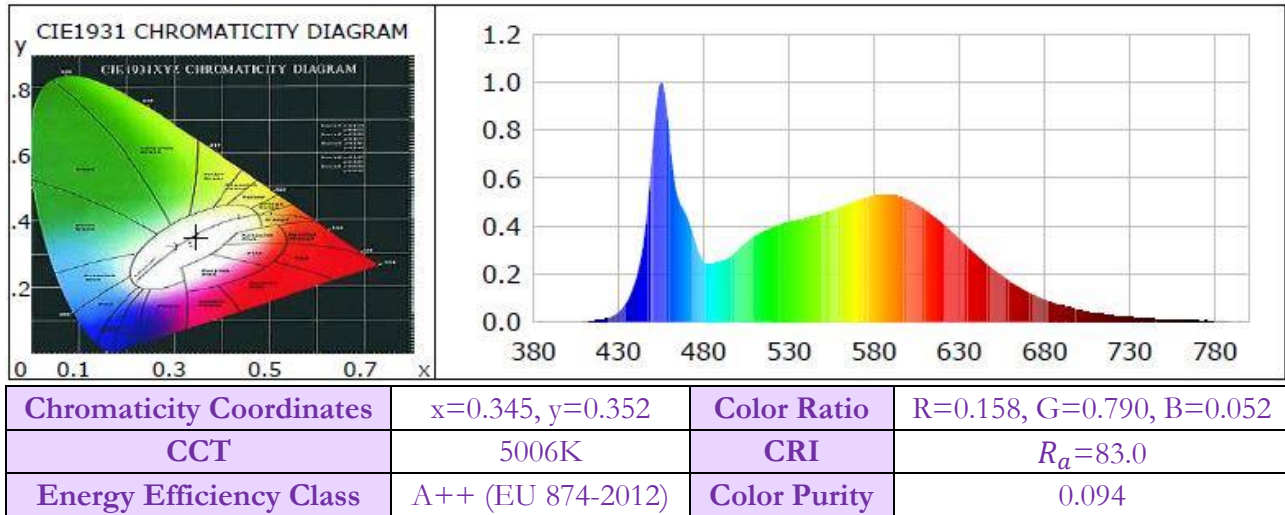
c. BLUE



d. 2700K 80CRI



e. 5000K 80CRI



4- Dimensions and Structure:



Dimensions	Specification	Dimensions	Specification
<i>Module Length</i>	Up to 15FT	<i>Module Height</i>	1.25 mm
<i>Module Width</i>	12.70 mm	<i>PCB Thickness</i>	0.17 mm
<i>PCB Material</i>	FLEX PCB	<i>Module Weight</i>	5 g/FT

5- Absolute Maximum Ratings:

Parameter	RED/ GREEN/ BLUE	WW & CW
<i>Forward LED Current I_F/FT</i>	600 mA	1200 mA
<i>LED Junction Temperature T_j</i>	105 °C	125 °C
<i>Ambient/Operating Temperature T_a</i>	-40 to 85 °C	

6- Wiring for Flex Strip:

Specification	Value
<i>Solder Wire Cross-Section, Fine Stranded</i>	0.14 – 0.34 mm ²
	26 – 22 AWG
<i>Wire Strip Length to Solder on Pads</i>	4.0 – 5.50 mm