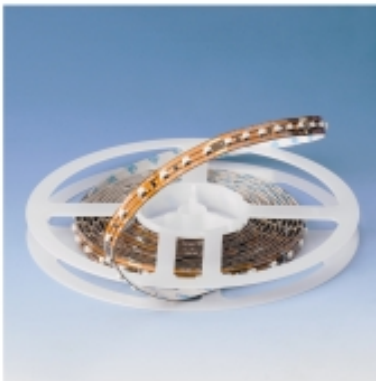


FLEXSTRIP LIGHT

BVM-SFPC3 SERIES

DESCRIPTION

Flexstrip Light is high brightness SMD LED mounted on FPC.
Six colors (red, orange red, yellow, green, blue and white) are available for variable applications.



FEATURES

Product Size (LxWXH) : 4032mm x 10mm x 2.2mm(with 288pcs LED per reel)
Product Size (LxWXH) : 4032mm x 10mm x 2.6mm(with adhesive-tape back)
Smallest unit(84mm) of 6 LEDs can be cut at mark place
Continuous length flexible LED light strips
Low power consumption, high intensity
Runs on DC 12 volt power supply
Optionally provided with adhesive-tape back at temperature rang -30°C to 200°C
BVM-SFPC3W2S-T:("-T" with adhesive-tape back)
Pb-Free / RoHS compliant

APPLICATIONS

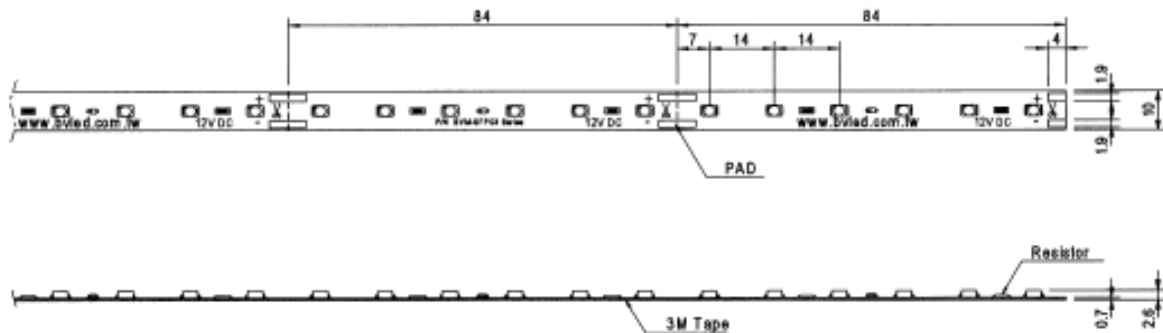
Amusement park & theater mood lighting
Architectural decorative lighting
Backlighting for signage letters
Auditorium walkway lighting
Stairway accent lighting
Hallway lighting

FLEXSTRIP LIGHT

BVM-SFPC3 SERIES

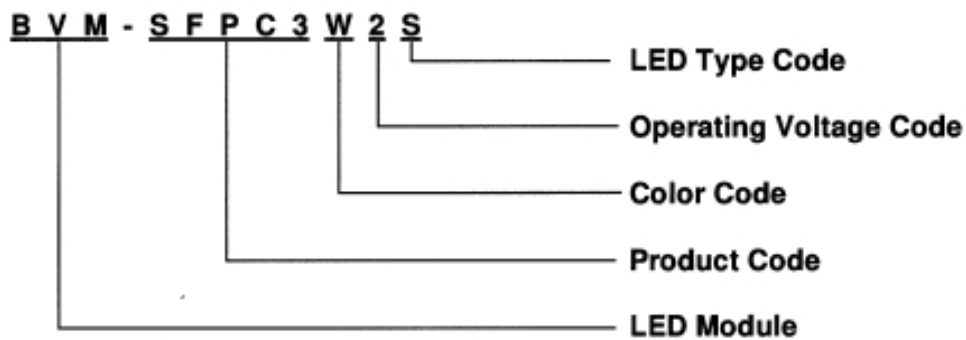
■ PRODUCT DIMENSION

Unit : mm



Tolerance : $\pm 0.5\text{mm}$

■ PART NUMBERING SYSTEM



FLEXSTRIP LIGHT

BVM-SFPC3 SERIES

■ ABSOLUTE MAXIMUM RATINGS AT Ta = 25 °C

PARAMETER	BVM-SFPC3					
	R2S	O2S	Y2S	B2S	G2S	W2S
Operating Voltage	12V	12V	12V	12V	12V	12V
Operating Voltage(max.)	13V	13V	13V	13V	13V	13V
Electrostatic discharge(HBM)	2000V					
Power dissipation/Unit	0.65W					
Total power dissipation / 48 unit	31.2W					
Luminous intensity matching ratio	1.3:1					
Operating Temperature Range	-30 °C to +65 °C					
Storage Temperature Range	-30 °C to +85 °C					

* ESD 2KV(HBM, measuring by LED component), test pulse input anode

■ ELECTRICAL / OPTICAL CHARACTERISTICS AT 12VDC Ta = 25 °C

SYMBOL	PARAMETER	BVM-SFPC3						Unit
		R2S	O2S	Y2S	B2S	G2S	W2S	
	Light Color	Red	Orange	Yellow	Blue	Green	White	
λ_p	Peak Emission Wavelength	632	611	591	465	520		nm
λ_d	Dominant Wavelength	624	605	589	470	525		nm
2 θ 1/2	LED Viewing Angle	110	110	110	110	110	110	deg
I	Operating current/Unit	40	40	40	40	40	40	mA
Φ	Luminous flux/unit (Typ.)	6.6	4.2	8.4	3.0	8.4	19.8	lm

■ SMD LED Dominant Wavelength for BIN Code / nm

Orange		Yellow		Green	
Bin Code	Range	Bin Code	Range	Bin Code	Range
AC	602~606	YC	582~585	PG	518~521
AD	606~610	YD	585~588	PH	521~524
AE	610~614	YE	588~591	PI	524~527
AF	614~618	YF	591~594	PJ	527~530
AG	618~622	YG	594~597	PK	530~533

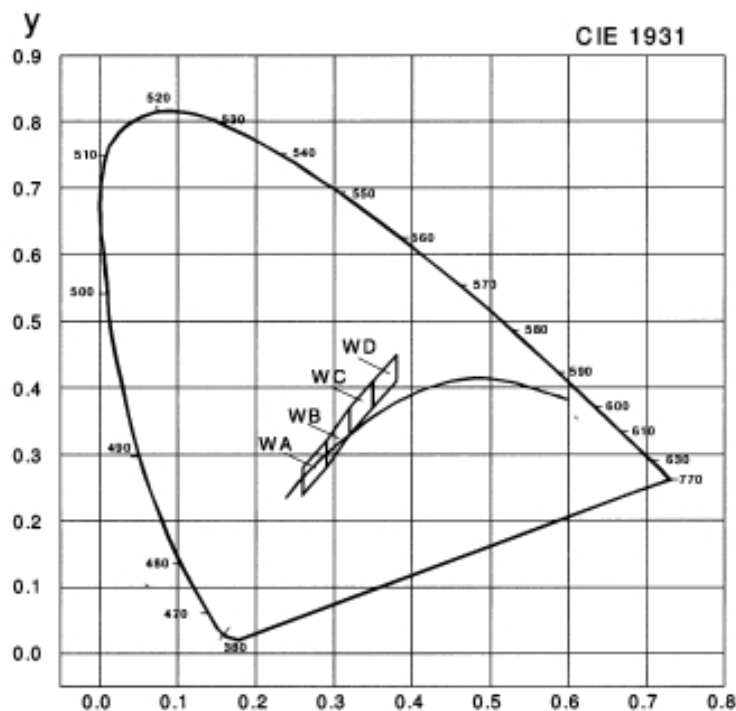
FLEXSTRIP LIGHT

BVM-SFPC3 SERIES

■ **BIN GRADE LIMITS CHROMATICITY COORDINATES**

WA	x	0.26	0.26	0.29	0.29
	y	0.24	0.28	0.32	0.28
	Kelvin	29831	13563	8005	9336
WB	x	0.29	0.29	0.32	0.32
	y	0.28	0.32	0.37	0.33
	Kelvin	9336	8005	5962	6092
WC	x	0.32	0.32	0.35	0.35
	y	0.33	0.37	0.41	0.37
	Kelvin	6092	5962	4995	4876
WD	x	0.35	0.35	0.38	0.38
	y	0.37	0.41	0.45	0.41
	Kelvin	4876	4995	4404	4209

■ **CHROMATICITY DIAGRAM CIE 1931**



*The chromaticity coordinates (x,y) of the colors of SMD LED are accordant with CIE chromaticity diagram.

*The above kelvin values are more or less different from the traditional bulb and may be used only for reference purpose.

*measurement uncertainty of color coordinates:±0.02