

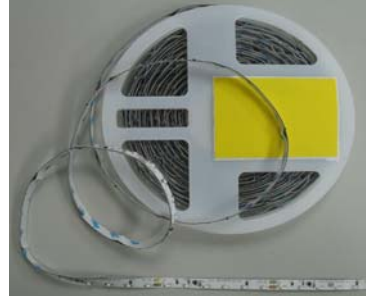


FLEXSTRIP LIGHT

BVM-SFS6C01 SERIES

■ DESCRIPTION

- Flexstrip light is made of white side view SMD LEDs mounted on flexible printed circuit (FPC).
- The product is driven under constant current, which will ensure a longer life.



■ FEATURES

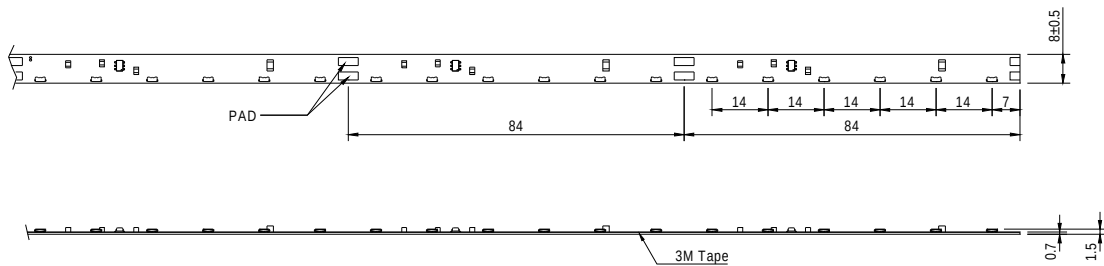
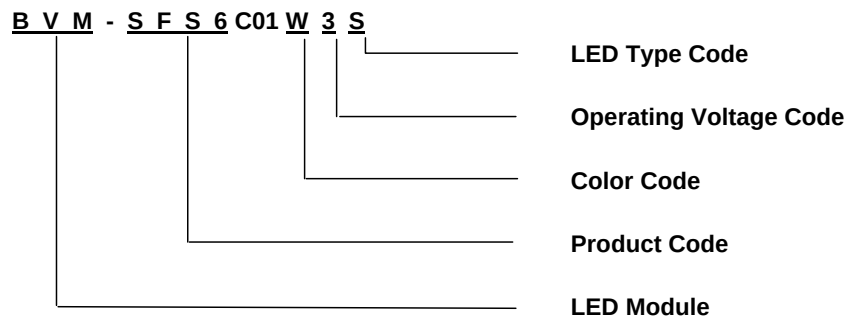
- Number of SMD LEDs : 600 pcs of side view SMD LEDs
- Product size (LxWXH) : 8400mm x 8mm x 1.5mm
- Easy installation with the back adhesive-tape
- Products are packed into reel and can be cut at mark place into shorter units
- Shortest unit is 84mm with 6 LEDs; 100 shortest units per reel.
- Drive: 24VDC/18mA
- Low power consumption and high optical intensity
- Lead (Pb) free, and RoHS compliant

■ APPLICATIONS

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

■ PRODUCT DIMENSIONS

Unit : mm

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

■ PART NUMBERING SYSTEM


■ ABSOLUTE MAXIMUM RATINGS AT Ta = 25 °C

PARAMETER	Maximum Ratings	Unit
Maximum Operating Voltage	25	V
Electrostatic Discharge (Contact Mode)	±2000	V
Power Dissipation / Unit	0.5	W
Power Dissipation / 100Units / Reel	50	W
Operating Temperature Range	-30 ~ +50	°C
Storage Temperature Range	-30 ~ +85	°C

■ TYPICAL ELECTRICAL / OPTICAL CHARACTERISTICS AT 24VDC Ta = 25 °C

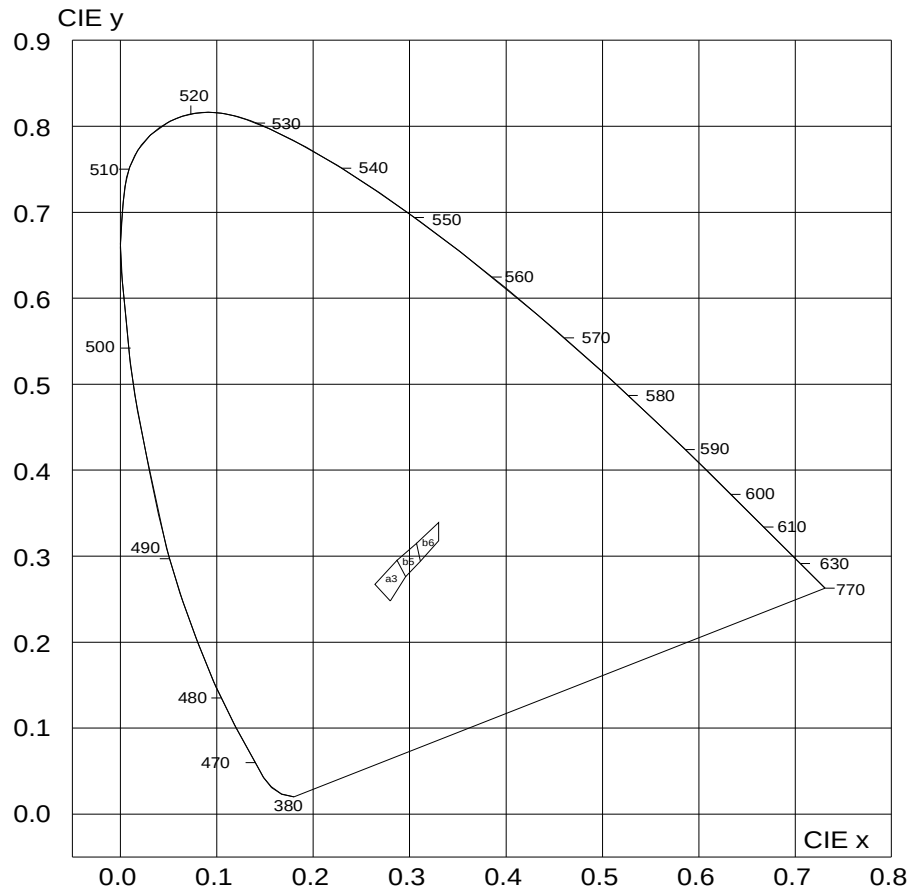
Part No.	Color	View Angle (degree)	Current per Unit(mA)	Current per Reel(A)	Lum.Flux per Unit(lx)	Lum.Flux per Reel(lx)
BVM-SFS6W3S	White*	110	18	1.9	65	6500

* White products are provided with different color temperature bins. (see following paragraph)

- Note**
1. Luminous flux measurement tolerance : +/- 10%
 2. View angle of the LED is the off-axis angle from the optical center line to the 1/2 luminous intensity of the peak value.

■ BIN GRADE LIMITS CHROMATICITY COORDINATES

Bin Code	Color Temperature Rank (Kelvin)	Chromaticity Coordinates				
a3	9000k~15000k	x	0.280	0.264	0.287	0.296
		y	0.248	0.267	0.295	0.276
b5	6900k~9000k	x	0.296	0.287	0.307	0.311
		y	0.276	0.295	0.315	0.294
b6	5700k~6900k	x	0.311	0.307	0.330	0.330
		y	0.294	0.315	0.339	0.318

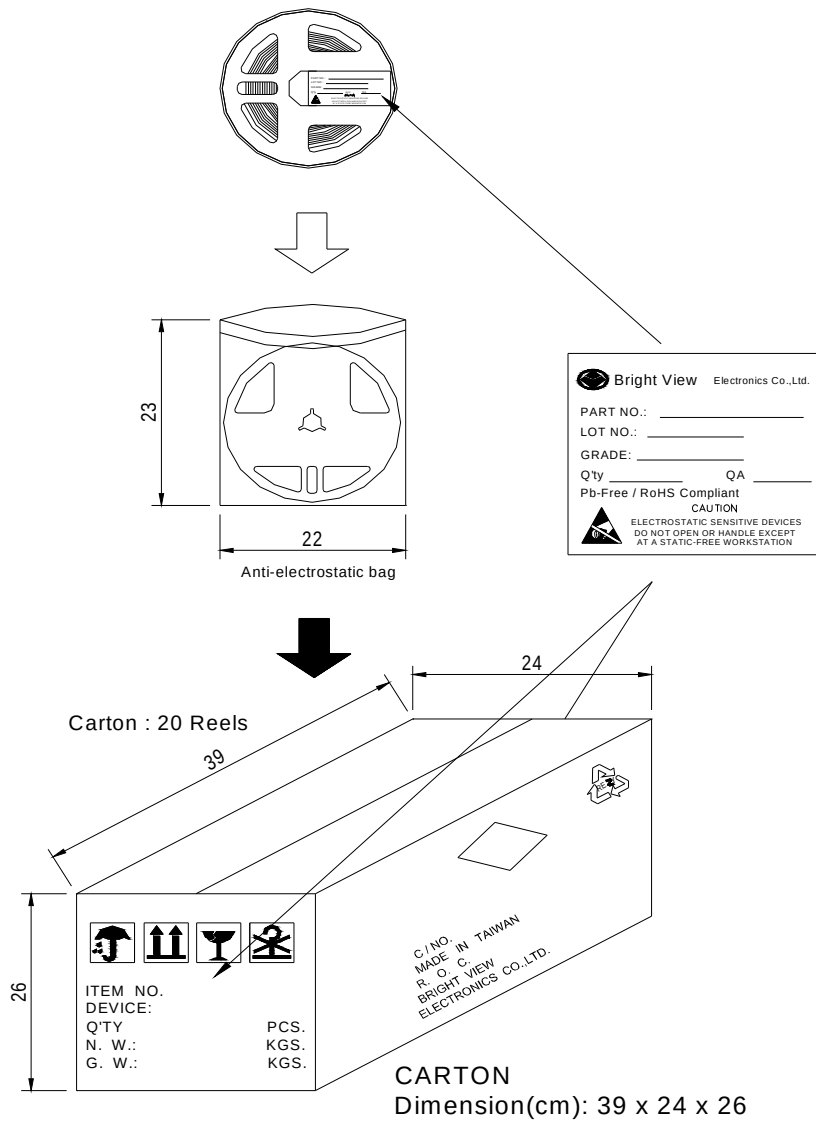
■ CHROMATICITY DIAGRAM CIE 1931

*The chromaticity coordinates (x,y) of the SMD LEDs are in accordance with CIE 1931 chromaticity diagram.

*The color temperature values used are based on the traditional incandescence lighting standard which cannot be exact applicable to LED lighting. It must be used only for reference purpose.

*Measurement uncertainty of color coordinates: ± 0.02

Note: Products of different CIE bins may not use the same materials and thus may have minor differences in characteristic and business terms

■ PACKING



■ **CAUTIONS**

1. Over voltage

- A. Drive the product over the specified current/voltage rating per unit or per reel will damage the product.
- B. The product should not be used in reverse polarity.
- C. It is recommended to use a power supply with overload (over-voltage, short circuit and overheat) protection.

2. Hand soldering

- A. It is recommended to use a tip temperature of 280 °C for less than 3 seconds (one times) with a soldering iron capacity of 30W, if hand soldering of the connecting wire is required.
- B. Be careful of the contaminations of hand soldering.

3. Storage & Handling

- A. Open the anti-electrostatic bag only a short time before use.
- B. LED is encapsulated with elastic epoxy and will be damaged with a external force applied on the top surface of the LED.
- C. The product should be storage in an environment with the relative humidity less than 90% RH (@30 degree C or less).
- D. During installation, excess mechanical stress will damage the product. The minimum bending radius of curvature is 5000mm. The maximum twist angle is 1 degree.
- E. The product is not waterproof. Excess moisture may also damage the product.