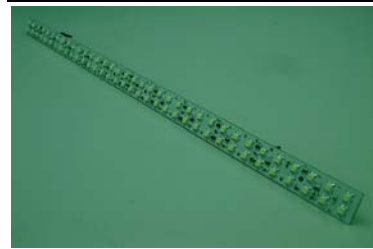




■ DESCRIPTION

- Strip light is made of high brightness SMD LEDs mounted on rigid printed circuit (PCB). White lights with different color temperature are available for various applications.
- Bright View also provides connectors



■ FEATURES

- Number of SMD LEDs : 72 pcs of ultra bright SMD LEDs
- Product size (LxWXH) : 420mm x 18.5mm x 4mm (without connector)
- Easy installation with connector
- Drive: 24VDC
- Low power consumption and high optical intensity
- Lead (Pb) free, and RoHS compliant

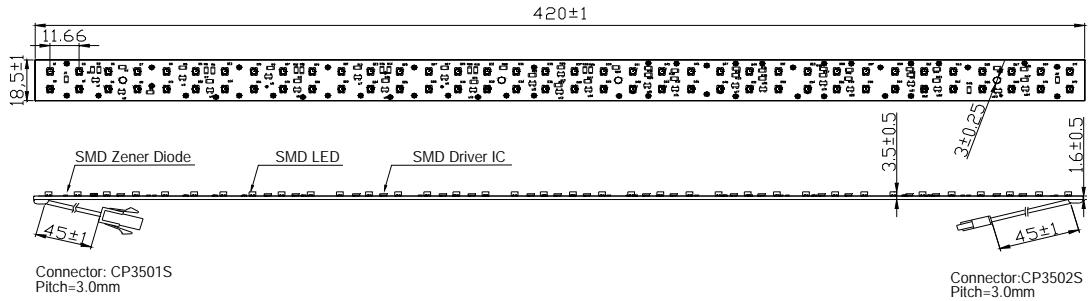
■ APPLICATIONS

- Decorative & Entertainment Lighting
- Tube Light Source & LED Strip Light
- Architectural Lighting
- General Lighting
- Backlighting

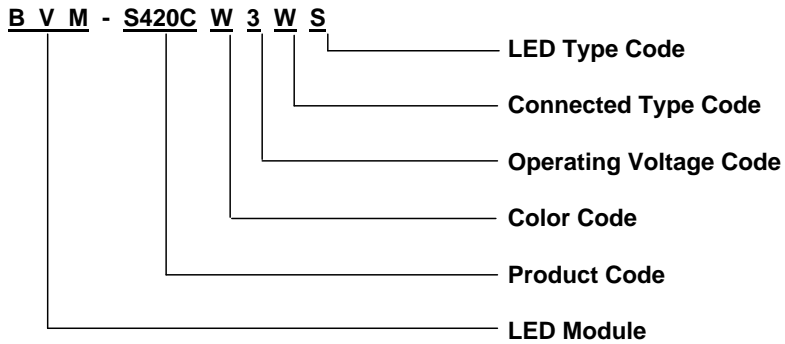


■ **PRODUCT DIMENSIONS**

Unit : mm



■ **PART NUMBERING SYSTEM**



**■ ABSOLUTE MAXIMUM RATINGS AT Ta = 25 °C**

PARAMETER	MAX	UNIT
Power Dissipation	7.5	W
Operating Voltage (maximum)	25	V
Electrostatic Discharge (Contact Mode)	±2000	V
Operating Temperature Range	-30 ~ +50	°C
Storage Temperature Range	-30 ~ +85	°C

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

SYMBOL	PARAMETER	TEST COND.	MIN.	TYP.	MAX.	UNIT
V _{cc}	Operating Voltage		23	24	25	V
I _U	Operating current(Typ.)	V _{cc} =24VDC	---	290	---	mA
2θ _{1/2}	LED Viewing Angle	V _{cc} =24VDC	---	110	130	deg.
Φ _U	Luminous flux (Typ.)	V _{cc} =24VDC	---	417	---	lm
E	Illuminance (@30cm)	V _{cc} =24VDC	---	1164	---	lx
η	Luminous Efficacy	V _{cc} =24VDC	---	60	---	lm/W
Ra	Color Rendering Index	V _{cc} =24VDC	---	65	---	

** Luminous flux was measured with corrected color temperature 4500k, and will be different for various corrected color temperature.

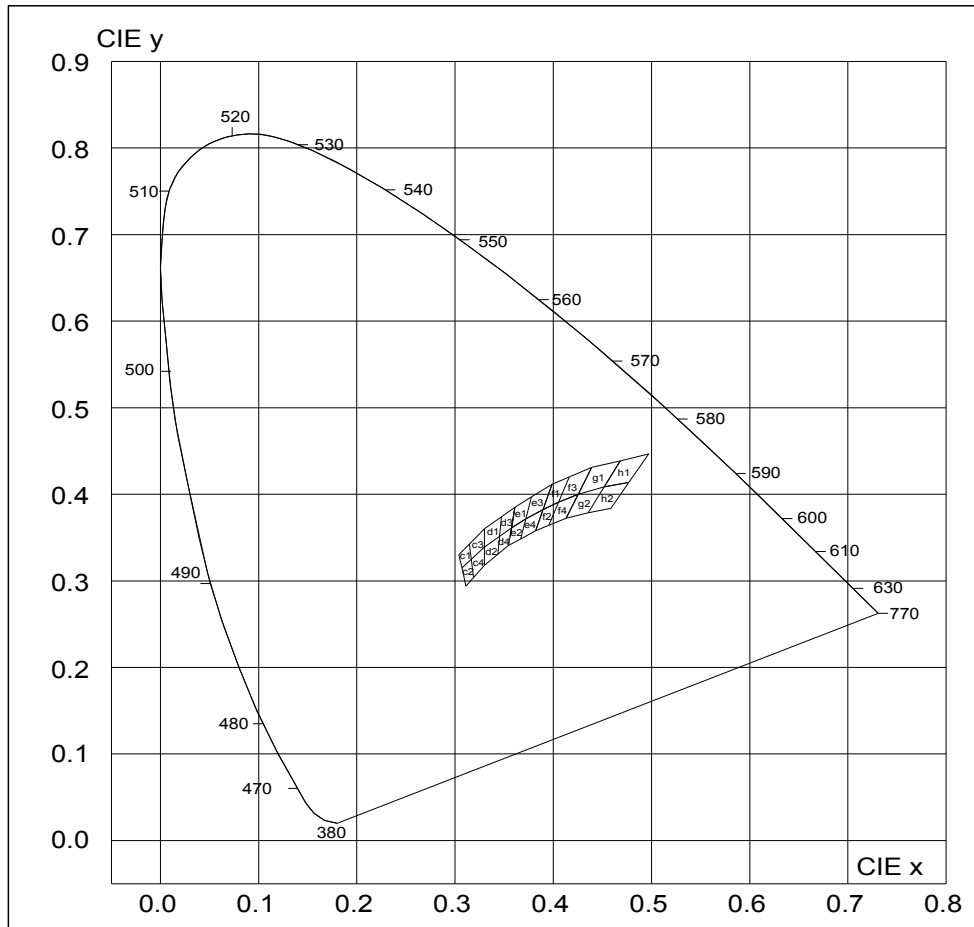


■ BIN GRADE LIMITS CHROMATICITY COORDINATES

Bin Code	Color Temperature Rank (Kelvin)	Chromaticity Coordinates				
c1	6300~7000	x	0.307	0.304	0.3147	0.3165
		y	0.315	0.33	0.3423	0.325
c2		x	0.311	0.307	0.3165	0.3188
		y	0.294	0.315	0.325	0.3038
c3	5500~6300	x	0.3165	0.3147	0.33	0.33
		y	0.325	0.3423	0.36	0.339
c4		x	0.3188	0.3165	0.33	0.33
		y	0.3038	0.325	0.339	0.318
d1	5000~5500	x	0.33	0.33	0.3473	0.3453
		y	0.339	0.36	0.3739	0.3514
d2		x	0.33	0.33	0.3453	0.3436
		y	0.318	0.339	0.3514	0.3307
d3	4500~5000	x	0.3453	0.3473	0.361	0.3575
		y	0.3514	0.3739	0.385	0.3612
d4		x	0.3436	0.3453	0.3575	0.3545
		y	0.3307	0.3514	0.3612	0.3408
e1	4500~4200	x	0.3575	0.361	0.378	0.372
		y	0.3612	0.385	0.397	0.3714
e2		x	0.3545	0.3575	0.372	0.3667
		y	0.3408	0.3612	0.3714	0.3484
e3	4200~3800	x	0.372	0.378	0.3988	0.3897
		y	0.3714	0.397	0.4116	0.3823
e4		x	0.3667	0.372	0.3897	0.3822
		y	0.3484	0.3714	0.3823	0.358
f1	3800~3500	x	0.3897	0.3988	0.4162	0.4053
		y	0.3823	0.4116	0.42	0.3907
f2		x	0.3822	0.3897	0.4053	0.3954
		y	0.358	0.3823	0.3907	0.3642
f3	3200~3500	x	0.4053	0.4162	0.439	0.4255
		y	0.3907	0.42	0.431	0.4
f4		x	0.3954	0.4053	0.4255	0.4129
		y	0.3642	0.3907	0.4	0.3725
g1	2800~3200	x	0.4255	0.439	0.468	0.4519
		y	0.4	0.431	0.4385	0.4086
g2		x	0.4129	0.4255	0.4519	0.4355
		y	0.3725	0.4	0.4086	0.3785
h1	2500~2800	x	0.4519	0.468	0.497	0.477
		y	0.4086	0.4385	0.4466	0.4137
h2		x	0.4355	0.4519	0.477	0.4588
		y	0.3785	0.4086	0.4137	0.3838



■ CHROMATICITY DIAGRAM CIE 1931



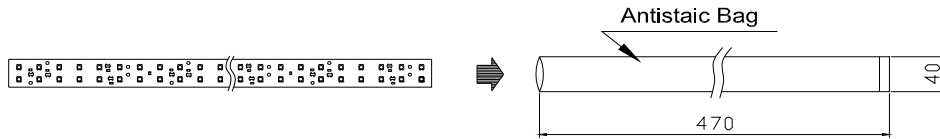
*The chromaticity coordinates (x,y) of the SMD LEDs are in accordance with CIE 1931 chromaticity diagram.

*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.

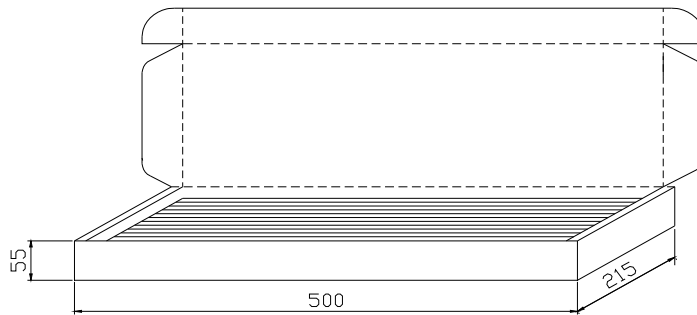
*Measurement uncertainty of color coordinates: ± 0.02

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

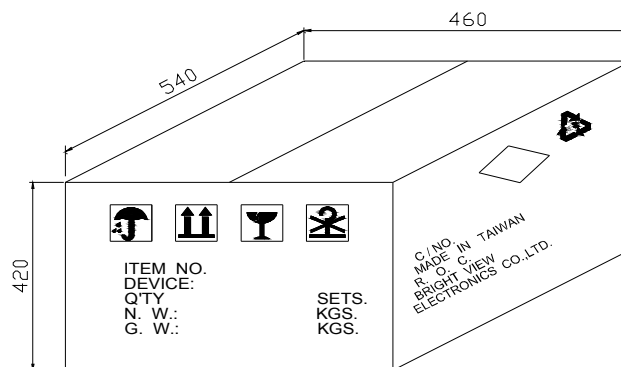
■ **PACKING**



21gx 30pcs



6.8kg x 10boxes



CARTON
Dimension(cm): 54x46x42



■ CAUTIONS

1. Over voltage

- A. Drive the product over the specified voltage rating (25VDC) per unit or per strip 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 resin 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.