

# ST-12V COB STRIP

ST01-CS12010X12V

ST01-CS15010X12V

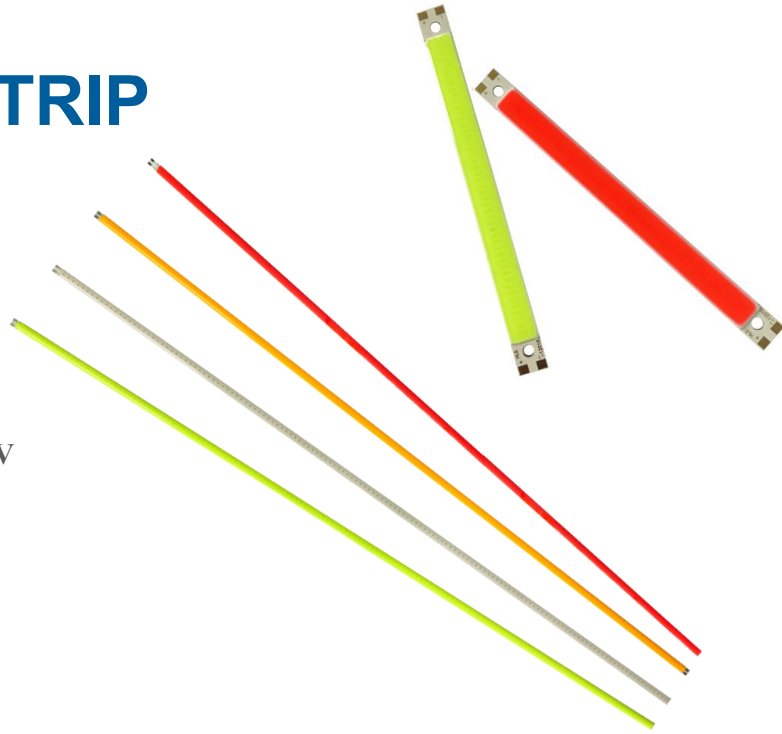
ST01-CS20010X12V

ST01-CS4006X12V

ST01-CS5006X12V

ST01-CS6006X12V

ST01-CS10006X12V



## Product Brief

### Features And Benefits

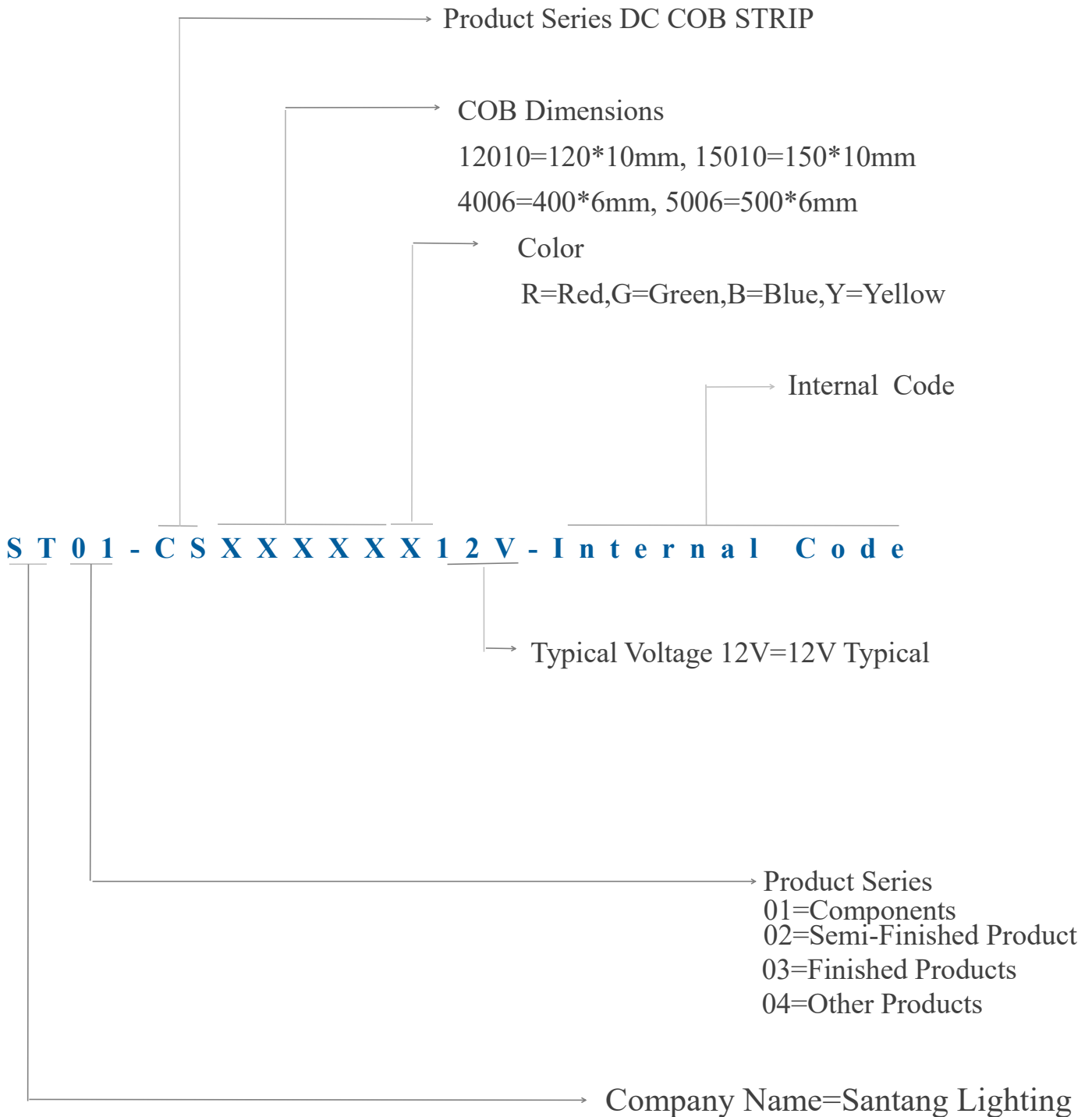
- 12VDC output voltage
- Flip Technology
- Strip COB
- Voltage, Colors, Dimensions can be customized
- Unique Design only for your idea

### Application

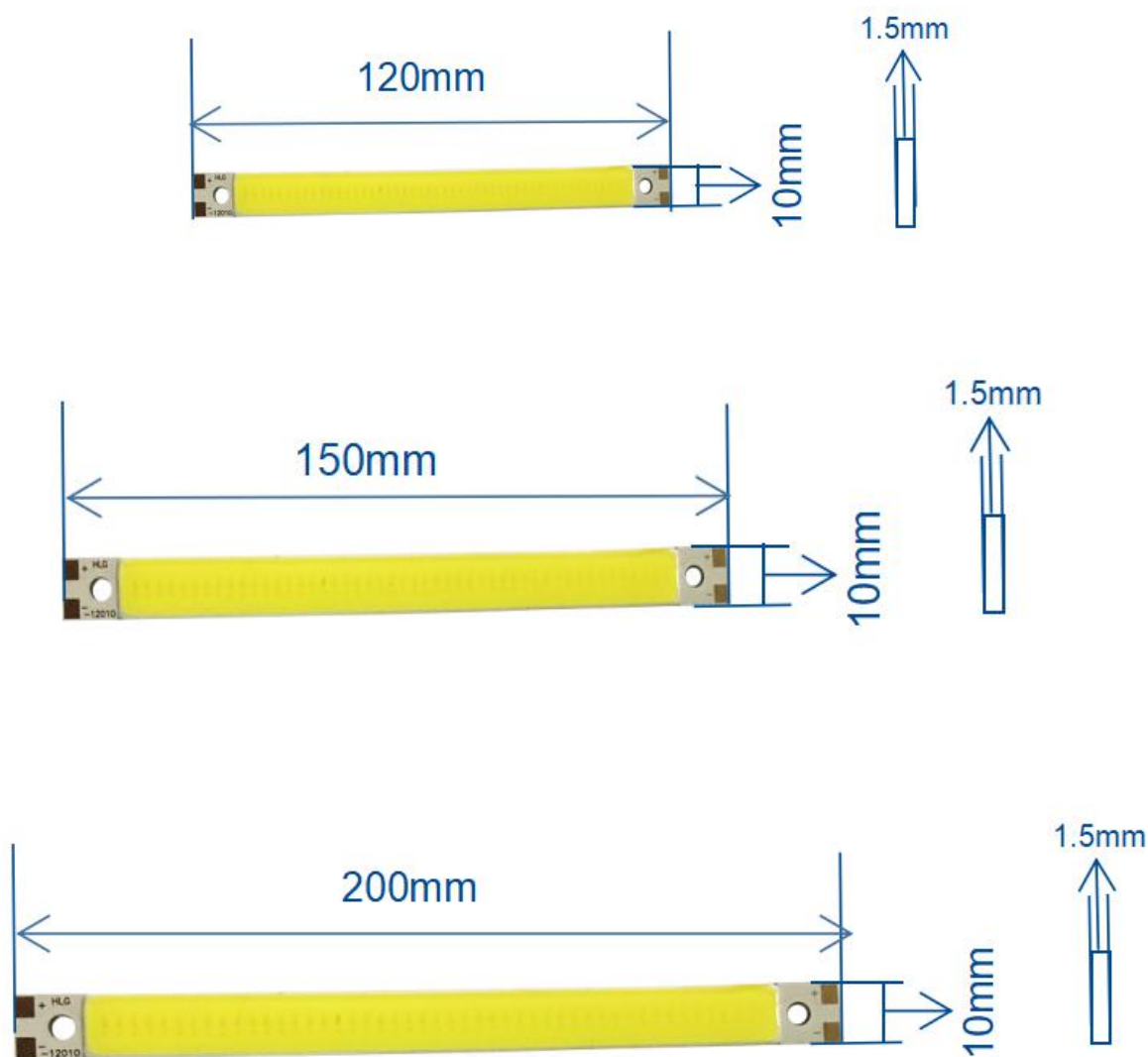
- Closet Light, Table Light
- Work Light, Camera Light
- Any Batteries & Solar Panel Applications
- DC output customized applications
- Others

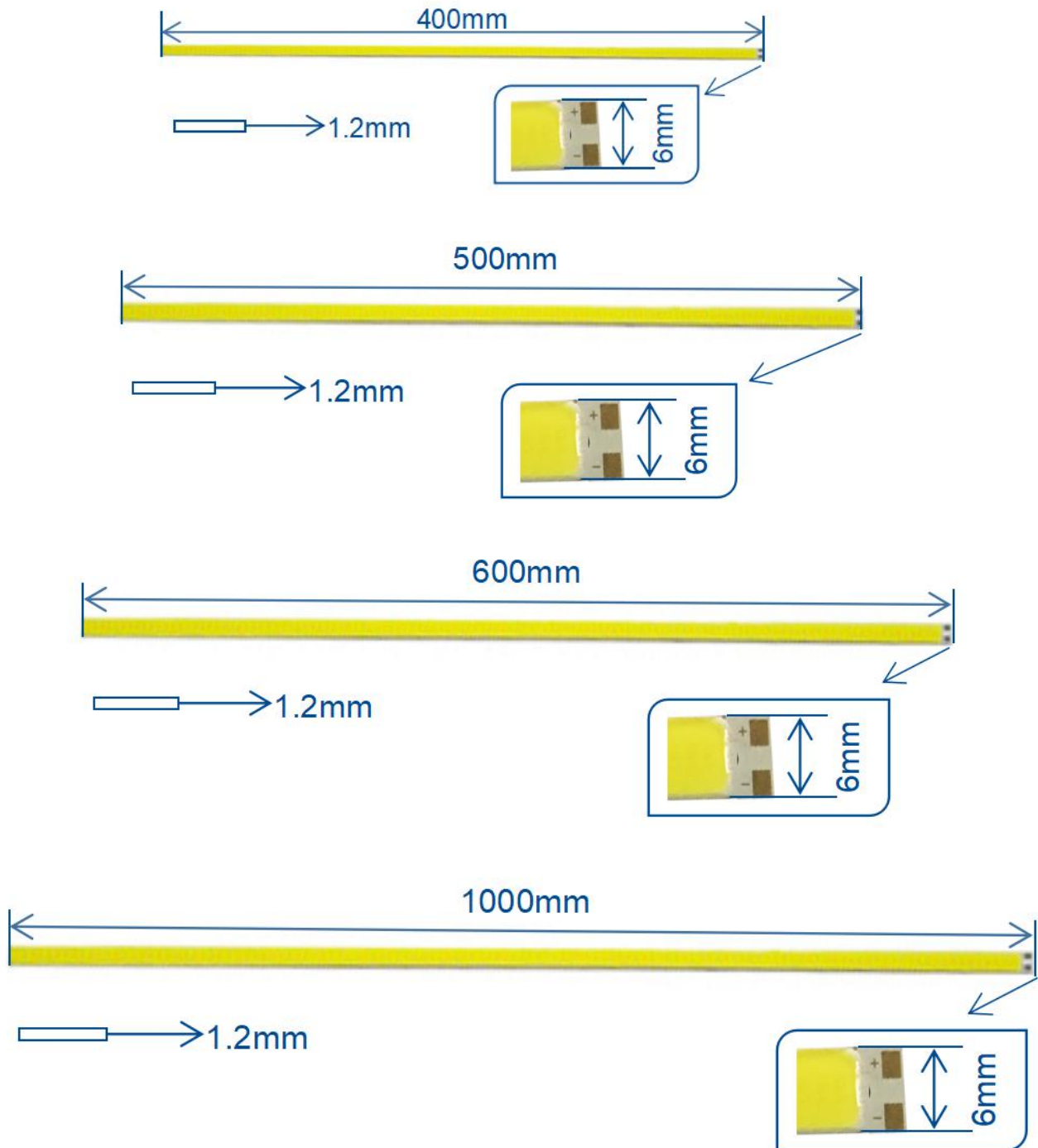
## 1.Part Number Nomenclature

Part Numbers For ST-12V Strip COB Follow The Convention Below:



## 2.Outline Dimensions





Notes:

1. Drawings are not to scale.
2. All dimensions are in millimeters.
3. Tolerance:  $\pm 0.20\text{mm}$ .

### 3. Absolute Maximum Ratings

*Absolute Maximum Ratings For ST-12V Strip COB*

PARAMETER	SYMBOL	MAXIMUM PERFORMANCE	
Power Dissipation	P <sub>D</sub>	120*10mm	10.4W
		150*10mm	11.7W
		200*10mm	13W
		400*6mm	14.95W
		500*6mm	15.6W
		600*6mm	20.8W
		1000*6mm	26W
Forward Current	I <sub>F</sub>	120*10mm	800mA
		150*10mm	900mA
		200*10mm	1000mA
		400*6mm	1150mA
		500*6mm	1200mA
		600*6mm	1600mA
		1000*6mm	2000mA
Peak Forward Current	I <sub>FP</sub>	120*10mm	1800mA
		150*10mm	2250mA
		200*10mm	1320mA
		400*6mm	1800mA
		500*6mm	2100mA
		600*6mm	2400mA
		1000*6mm	2940mA
Junction Temperature	T <sub>j</sub>	110°C	
Operating Temperature Range	T <sub>opr</sub>	-30 ~ +80°C	
Storage Temperature Range	T <sub>stg</sub>	-40 ~ +80°C	
ESD Sensitivity(HBM)	--	2000V	
Hand Solder Temperature		350±20°C/3~5sec	

Note: \*Pulse width≤0.1msec Duty ratio≤1/10

## 4. Electrical -Optical Characteristics (T<sub>A</sub>=25°C)

Color	Dimensions (mm)	Group	Min.Luminous Flux (lm)	Max.Luminous Flux(lm)	Forward Current (mA)	Forward Voltage (V)
RED Phosphor Type	120*10mm	DP	416	624	800mA	13V
	150*10mm	DP	468	702	900mA	13V
	200*10mm	DO	520	780	1000mA	13V
	400*6mm	DO	598	897	1150mA	13V
	500*6mm	DO	624	936	1200mA	13V
	600*6mm	DO	832	1248	1600mA	13V
	1000*6mm	DO	1040	1548	2000mA	13V
GREEN /AMBER Phosphor Type	120*10mm	DP	936	1144	800mA	13V
	150*10mm	DP	1053	1287	900mA	13V
	200*10mm	DO	1170	1430	1000mA	13V
	400*6mm	DO	1344	1644	1150mA	13V
	500*6mm	DO	1404	1716	1200mA	13V
	600*6mm	DO	1872	2278	1600mA	13V
	1000*6mm	DO	2298	2789	2000mA	13V
BLUE	120*10mm	DP	208	312	800mA	13V
	150*10mm	DP	234	351	900mA	13V
	200*10mm	DO	260	390	1000mA	13V
	400*6mm	DO	299	449	1150mA	13V
	500*6mm	DO	312	268	1200mA	13V
	600*6mm	DO	416	624	1600mA	13V
	1000*6mm	DO	518	788	2000mA	13V

Note:

1. tolerance  $\Phi_v$ :  $\pm 10$  LM.
2. Any chip brand can be customized.

## 5.Packing

### Label

Model-Model Number

Name: High Power LED

Power-Wattage

IF-Forward Current

VF-Range Of Forward Voltage

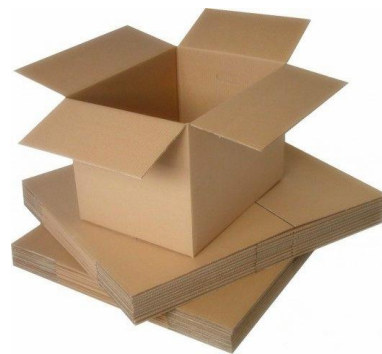
IV<sub>Φ<sub>v</sub></sub>-Range Of Luminance/Lumen

CCT-Correlated Color Temperature

QTY--(Quantity)

SHENZHEN SANTANG LIGHTING CO., LTD.			
Model			
Name		Power	
IF		VF	
IV <sub>Φ<sub>v</sub></sub>		CCT	
Ra		QTY	
2019-01-01			

### Package



PACKING	DETAILS		
	PAD	BAG	BOX
QTY	-	-	-

## 6. Legal and additional information.

### About Shenzhen SanTang Lighting Co.,Ltd.

SHENZHEN SANTANG LIGHTING CO., LTD. (hereafter called ST) is the integration of Independent R&D, Production, and Brand agency which is dedicated to providing LED devices and LED solutions for small and medium enterprises (SME).

Main products are widely used in outdoor lighting, commercial lighting, grow lighting, and other special lighting fields which are included three parts with Customized Module Series (DC/AC PCBA, DC/customized size COB), General Lighting Series (COB, HIGH POWER LED, SMD) and Special lighting Series(UV,IR,GROW LIGHT), and the products have been exported to Europe, Middle-East, East-South Asia and South & North America.

OEM/ODM inquiries will be warmly accepted by ST company with its great abilities of product innovation and supply chains management, we are all committed to focusing on LED light-emitting devices fields and going forward hand in hand with each partner in the best way “Hit The Lights Together”!

### Shenzhen SanTang Lighting Co., Ltd.

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