

ST-12V 4040 COB

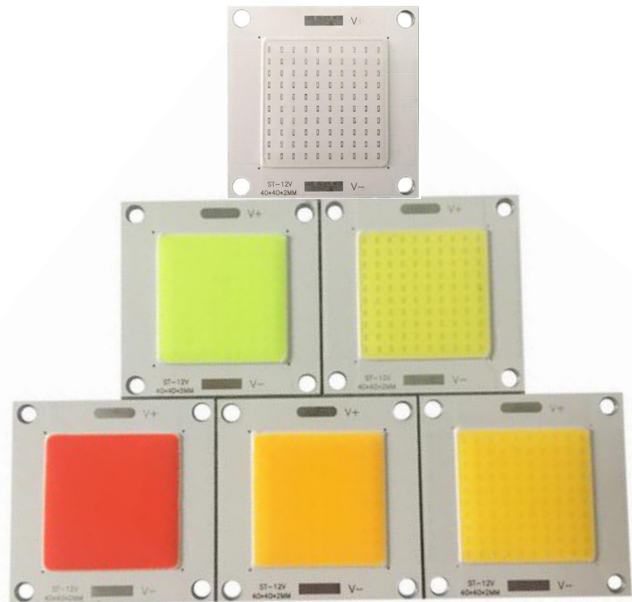
ST01-CA4040W12V

ST01-CA4040R12V

ST01-CA4040G12V

ST01-CA4040B12V

ST01-CA4040A12V



Product Brief

Features And Benefits

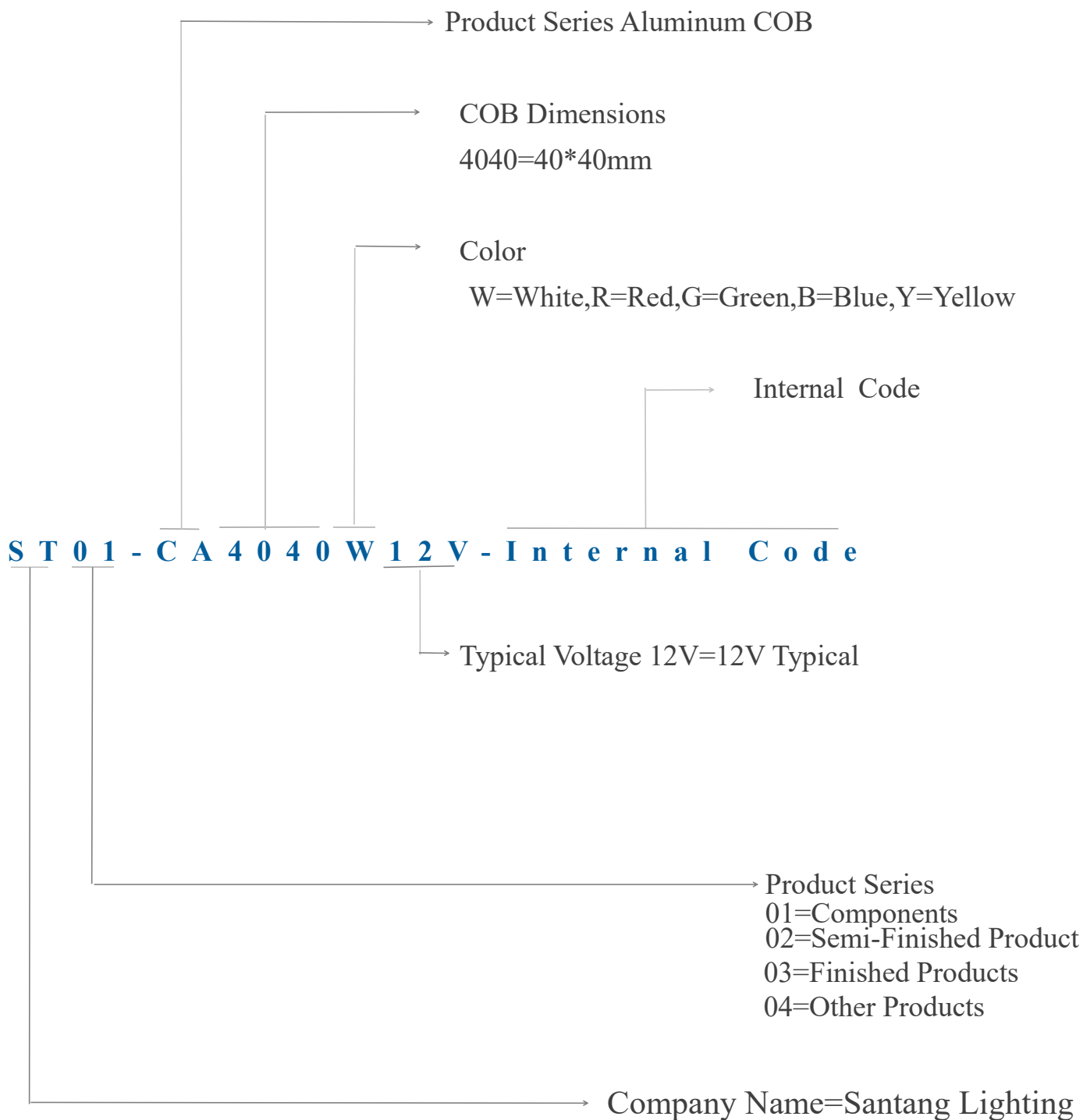
- 12VDC output voltage
- Flip Technology
- Aluminum COB
- Voltage, Colors, Dimensions can be customized
- Unique Design only for your idea

Application

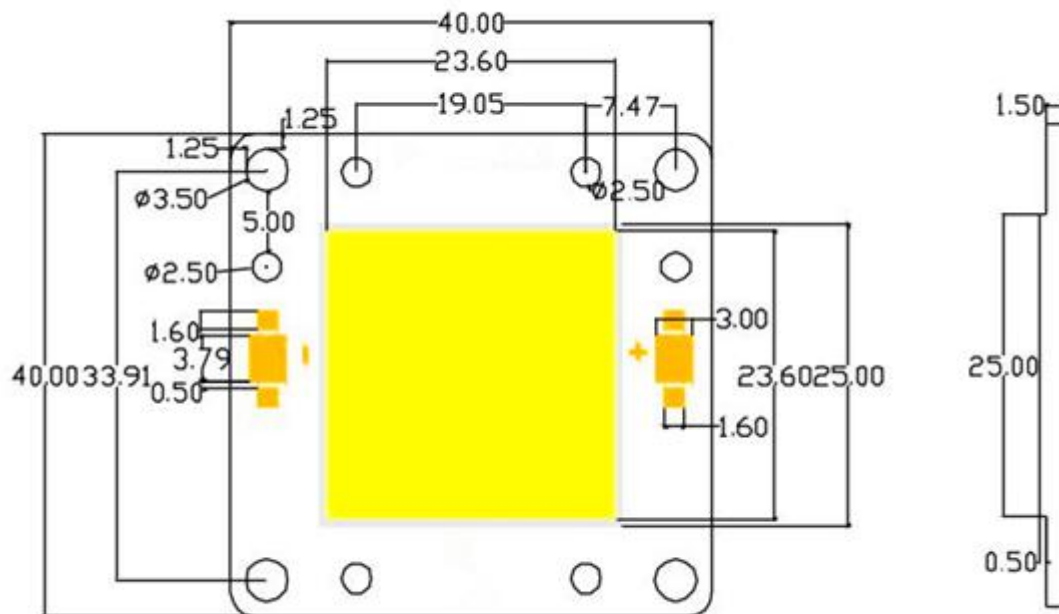
- Portable Flood Light, Wall Garden Light
- Work Light, Camera Light
- Any Batteries & Solar Panel Applications
- DC output customized applications
- Others

1.Part Number Nomenclature

Part Numbers For ST-12V 4040 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 4040 COB

PARAMETER		SYMBOL	MAXIMUM PERFORMANCE
Power Dissipation	40*40mm	P _D	31.2W
Forward Current	40*40mm	I _F	2400mA
Peak Forward Current	40*40mm	I _{FP}	3750mA
Junction Temperature		T _j	110°C
Operating Temperature Range		T _{opr}	-30 ~ +80°C
Storage Temperature Range		T _{stg}	-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_A=25℃)

Color	Dimensions (mm)	Group	Min.Luminous Flux (lm)	Max.Luminous Flux(lm)	Forward Current (mA)	Forward Voltage (V)
Cool White 5000-8000K	40*40mm	DP	2860	3380	2400mA	13V
Natural White 3500-5000 K	40*40mm	DP	2860	3380	2400mA	13V
Warm White 2700-3500 K	40*40mm	DP	2600	3120	2400mA	13V
RED Phosphor Type	40*40mm	DP	1040	1560	2400mA	13V
BLUE	40*40mm	DP	520	780	2400mA	13V
AMBER Phosphor Type	40*40mm	DP	2340	2860	2400mA	13V
GREEN Phosphor Type	40*40mm	DP	2328	2636	2400mA	13V

Note:

1. tolerance Φ_v : ± 10 LM.
2. Any Voltage, Colors, Dimensions, Shape can be customized.

5.Packing

Label

Model-Model Number

Name: High Power LED

Power-Wattage

IF-Forward Current

VF-Range Of Forward Voltage

IV Φ_v - Range Of Luminance/Lumen

CCT - Correlated Color Temperature

QTY--(Quantity)

SHENZHEN SANTANG LIGHTING CO., LTD.			
Model			
Name		Power	
IF		VF	
IV Φ_v		CCT	
Ra		QTY	
2019-01-01			

Package



PACKING	DETAILS		
	PAD	BAG	BOX
QTY	4PCS	-	-

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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Official Website



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