

## Products Datasheet View

Class	Model Number	Life Hours	LED Type	CCT (K)	LED Qty/m	Light (lumen/m)	Minimum cuttable length	Max Length (m)	Input Voltage	Power (w/m)
Super high bright strip	SBS-CW	45000	TOYODA	5900~6200	120	1042	2.5cm	7	12V/DC	16.8
	SBS-WW	45000	TOYODA	3000~3300	120	794	2.5cm	7	12V/DC	16.8
High-bright strip	HBS-CW	45000	Epistar	5900~6200	78	586	3.85cm	10	12V/DC	11
	HBS-WW	45000	Epistar	3000~3300	78	435	3.85cm	10	12V/DC	11
X-Series strip	XBS-CW	40000	Epistar	5900~6200	240	1175	2.5cm	10	24V/DC	19.2
	XBS-WW	40000	Epistar	3000~3300	240	1077	2.5cm	10	24V/DC	19.2
Bright hi-quantity LED strip	BS-CW	40000	Epistar	5900~6200	60	333	5cm	10	12V/DC	4.8
	BS-WW	40000	Epistar	3000~3300	60	268	5cm	10	12V/DC	4.8
	BS-CW2	40000	Epistar	5900~6200	120	654	2.5cm	10	12V/DC	9.6
	BS-WW2	40000	Epistar	3000~3300	120	533	2.5cm	10	12V/DC	9.6
	BS5050-CW	40000	TOYODA	5900~6200	30	492	10cm	10	12V/DC	7.2
	BS5050-WW	40000	TOYODA	3000~3300	30	401	10cm	10	12V/DC	7.2
	BS5050-RGB	40000	CHIMEI	RGB	30	433	10cm	10	12V/DC	7.2
	BS5050-CW2	40000	CHIMEI	5900~6200	60	981	5cm	10	12V/DC	14.4
	BS5050-WW2	40000	CHIMEI	3000~3300	60	799	5cm	10	12V/DC	14.4
	BS5050-RGB2	40000	CHIMEI	RGB	60	943	5cm	10	12V/DC	14.4
Hi-cost effective LED strip	IC-CW	30000	Epistar	5900~6200	60	216	5cm	10	12V/DC	3.8
	IC-WW	30000	Epistar	3000~3300	60	174	5cm	10	12V/DC	3.8
	IC-CW2	30000	Epistar	5900~6200	120	398	2.5cm	10	12V/DC	7.7
	IC-WW2	30000	Epistar	3000~3300	120	317	2.5cm	10	12V/DC	7.7
AC main power directly strip	ABS-CW	30000	Epistar	5900~6200	60	318	1m / 220V 0.5m / 110V	100	220V/110V	3.8
	ABS-WW	30000	Epistar	3000~3300	60	255	1m / 220V 0.5m / 110V	100	220V/110V	3.8
	ABS5050-CW	30000	CHIMEI	5900~6200	60	818	1m / 220V 0.5m / 110V	50	220V/110V	11.5
	ABS5050-WW	30000	CHIMEI	3000~3300	60	751	1m / 220V 0.5m / 110V	50	220V/110V	11.5
	ABS5050-30-CW	30000	CHIMEI	5900~6200	30	409	1m / 220V 0.5m / 110V	50	220V/110V	5.8
ABS5050-30-WW	30000	CHIMEI	3000~3300	30	375	1m / 220V 0.5m / 110V	50	220V/110V	5.8	
Super Bright Rigid Strip	WHRs-CW	40000	TOYODA	5900~6200	279	2524	1cm	1	12V/DC	26
	WHRs-WW	40000	TOYODA	3000~3300	279	2221	1cm	1	12V/DC	26
Bright Rigid Strip	WRS-CW	45000	Epistar	5900~6200	60	3321	5cm	10	12V/DC	4.8
	WRS-WW	45000	Epistar	3000~3300	60	257	5cm	10	12V/DC	4.8
	WRS-CW2	45000	Epistar	5900~6200	120	638	2.5cm	10	12V/DC	9.6
	WRS-WW2	45000	Epistar	3000~3300	120	521	2.5cm	10	12V/DC	9.6
	WRS5050-CW	45000	CHIMEI	5900~6200	30	483	10cm	10	12V/DC	7.2
	WRS5050-WW	45000	CHIMEI	3000~3300	30	392	10cm	10	12V/DC	7.2
	WRS5050-RGB	45000	CHIMEI	RGB	30	421	10cm	10	12V/DC	7.2
	WRS5050-CW2	45000	CHIMEI	5900~6200	60	975	5cm	10	12V/DC	14.4
	WRS5050-WW2	45000	CHIMEI	3000~3300	60	788	5cm	10	12V/DC	14.4
	WRS5050-RGB2	45000	CHIMEI	RGB	60	927	5cm	10	12V/DC	14.4

\*We can provide you with various colors strip, including white, red, green, blue, yellow. Can also provide different levels of waterproof.

### WARNINGS AND CAUTIONS

- Suitable for use in open luminaires (fixtures).
- Do not use in outdoor fixtures.
- Do not use in enclosed fixtures.
- Use with triac dimmers.
- Do not use with emergency exit fixtures or with emergency lighting.
- Turn off power before changing lamp.

**CAUTION:** Risk of electric shock. Use in dry location only.

**NOTES:** This device complies with Part 18 of the FCC rule. This product may cause interference with other devices. If interference occurs, change the location of the products involved. This RFLD device complies with Canadian ICES-005.

### Product Naming

**W**

Waterproof  
W: IP66 W2: IP65  
W3: IP68

**S**

LED lumen rank  
S: super H: high C: common  
X: double line

**BS**

Bright LED strip

**CW**

Color  
CW: cool white WW: warm white  
R: red G: green B: blue Y: yellow

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**LED**  
Eco-Lighting

## Waterproof Strip



No ingress of dust; complete protection against contact.  
Water projected by a nozzle (6.3mm) against enclosure from any direction shall have no harmful effects.

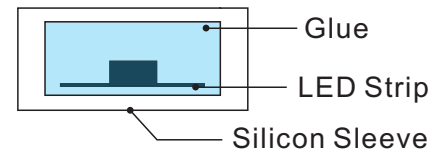
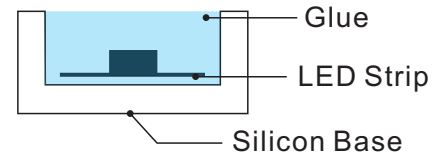
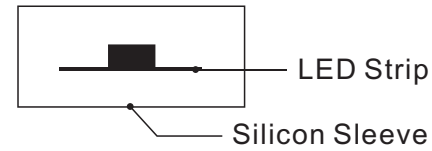


No ingress of dust; complete protection against contact.  
Water projected in powerful jets (12.5mm nozzle) against the enclosure from any direction shall have no harmful effects.

IP66 Glue Type			
Glue name	Epoxy	Polyurethane (PU)	Organic silicon
Transmittance	85~92	88~92	91~99
Yellowing resistance	1 month	8 months	Forever
Flexible property	Bad	Excellent	Excellent
Using temperature range	-10°C~65°C	-15°C~80°C	-60°C~250°C
Curing time	>24h	>24h	2~24h
Thermal performance	Bad	General	Excellent
We USED	NO	Default	Choice



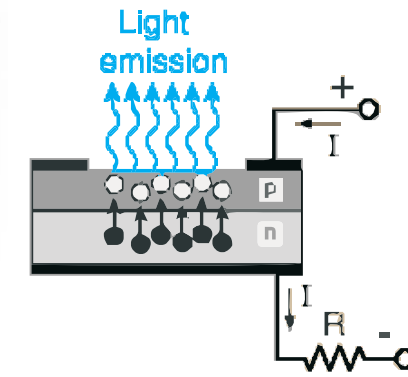
No ingress of dust; complete protection against contact.  
The equipment is suitable for continuous immersion in water under conditions which shall be specified by the manufacturer. Normally, this will mean that the equipment is hermetically sealed. However, with certain types of equipment, it can mean that water can enter but only in such a manner that it produces no harmful effects.



## LED CHIP



### SMD LED



LED Performance	Factors
LED light output	Chip Size Current
LED life hours	Heat Chip Size Current
LED CRI	Phosphor

\*Larger chip size, better heat dissipation, better phosphor, the appropriate current, will allow longer LED life.



3014 SMD

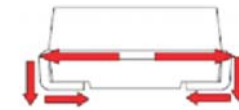
3014 A	
Chip Brand	TOYODA / Epistar
Chip Size	10x24mil
Lumen/Current	11lm/30ma
Products	SBS, WHRS, XPL



3528 SMD

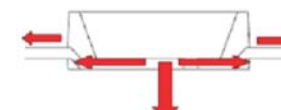
3528 A	
Chip Brand	Epistar(Everlight)
Chip Size	10x23mil
Lumen/Current	7.8lm/20ma
Products	HBS, XT8, XPL-R

### Normal LED Package



Package Rjs: 160 deg/w

### 3014 Heat Sink Package



Package Rjs: 45 deg/w



5050 SMD

3528 B	
Chip Brand	Epistar
Chip Size	10x16mil
Lumen/Current	6.5lm/20ma
Products	XBS, BS, CPL

3528 C	
Chip Brand	CHIMEI/Epistar
Chip Size	10x10mil(CHIMEI) 9x7mil(Epistar)
Lumen/Current	4.5lm/20ma
Products	IC

5050 A	
Chip Brand	CHIMEI
Chip Size	3x12x12mil
Lumen/Current	20lm/60ma
Products	BS5050

Heat radiation system is much better for the 3014 "Heat Sink Package" than any other led, 3020 3528 5050 etc. @30mA.

Specifications - 3mm x 1.4mm x 0.8mm, industry standard foot print, high efficiency, PB-free, 120degree viewing angle.  
Luminous Intensity that We uses - 3300-3600MCD @ 30mA.

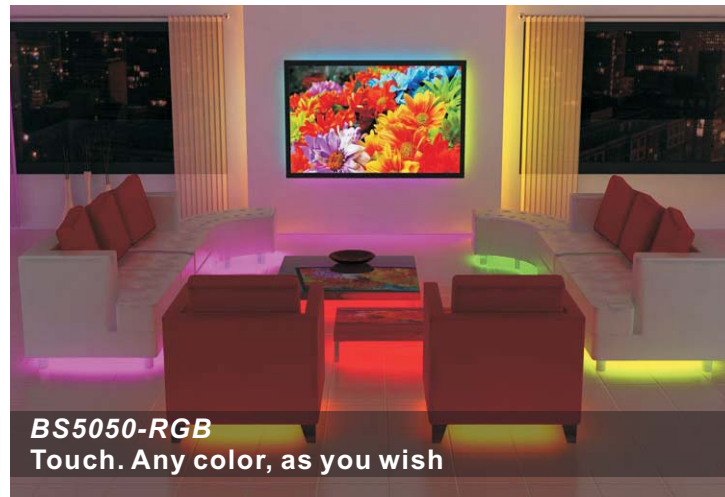
5050 RGB A	
Chip Brand	CHIMEI
Chip Size	3x12x12mil
Lumen/Current	18lm/60ma
Products	BS5050-RGB

5050 RGB B	
Chip Brand	Epistar
Chip Size	6x12x12mil
Lumen/Current	36lm/120ma
Products	WHRS-RGB

## Application



WHRS-WW Mini Wall Washer  
Such a perfect performance, All in one



BS5050-RGB  
Touch. Any color, as you wish



SBS-W Super Bright LED Strip  
Let strip light up your room, Why don't you try?



ABS-B AC 220/110V Strip  
100M max length. The best solution outline lighting.

## PHOTOS

