COLORS®

CSP DOT STRIPS NEW

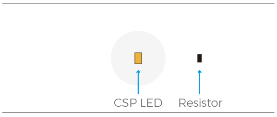
SUPER DURABLE

5 years WARRANTY | ≤5 SDCM | -40℃ +60℃ | IP67 | Outdoor

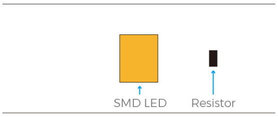
SUPER DURABLE

Ultra-small LEDs and resistors

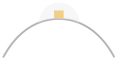
Bear small force size in twisting, bending and tensile, hard to be broken

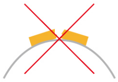


Size: 0.5*0.8mm



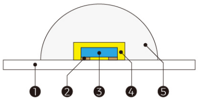
Size: 2.8*3.5mm

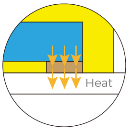




Flip chip package

No frame&Ag paste&gold wire, strong against ambient temperature, -40˚C~60˚C



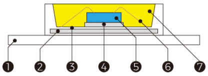


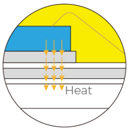
Heat dissipated path

❶ FPCB

CSP LED
- ❷ Metal plate
- ❸ Flip chip
- ❹ Phosphor glue

❺ Silicone





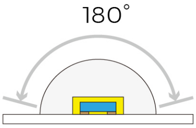
Heat dissipated path

❶ FPCB board

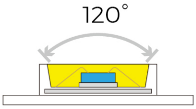
SMD LED
- ❷ Frame
- ❸ Electrode
- ❹ Ag paste
- ❺ Chip
- ❻ Gold wire
- ❼ Phosphor glue

Bigger beam angle

More soft light



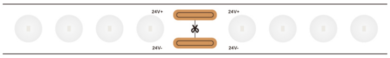
CSP LED



SMD LED

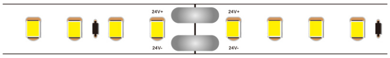
Reel to reel

Few or no soldering joints, lower broken risk



Reel to reel FPC

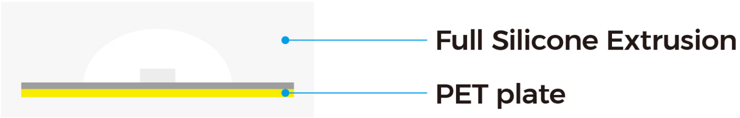
*24V white only



Sheet to sheet FPC

EF IP67

PET plate added, strong against bending, twisting, and tensile forces



ESD process

Anti-glare, anti-dust, easy to clean

Molding caps

Durable same width molding caps, IP67

Accessories

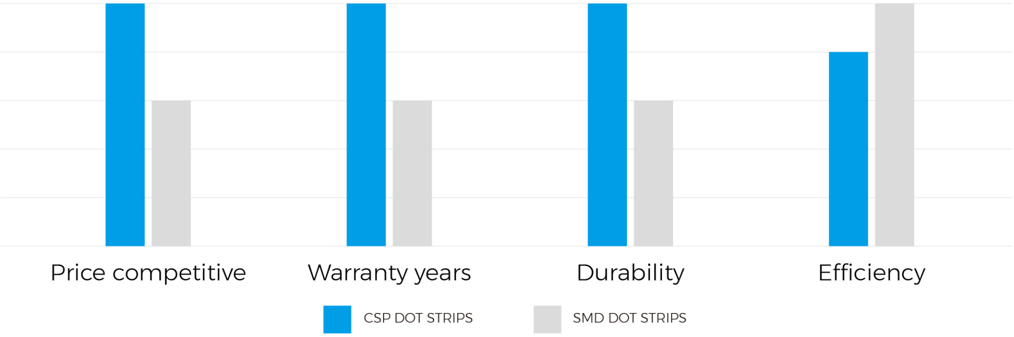
Fixed Silicone Clip

Silicone end cap

PVC groove

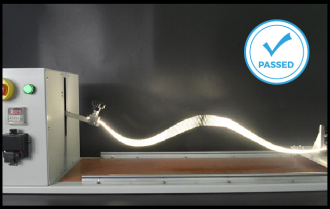
Aluminium groove

Price vs Performance



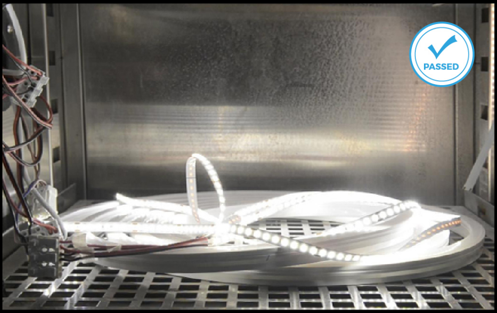
High Reliable Test

Winding Test
100 rounds of circle on the
30mm diameter roller



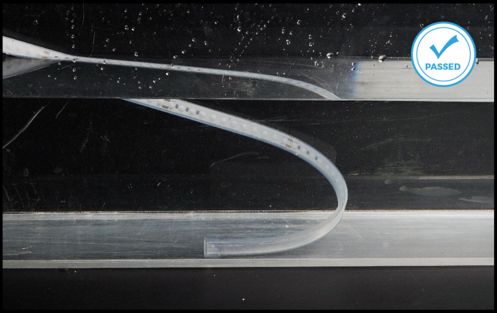
Wrestling Test
10,000 times of up and down with
20N pulling force

Twisting Test
50 times of 4 times clockwise and
counterclockwise directions with 20N pulling force



Low & high-temperature storage test
-40˚C~85˚C,168H

High temperature and humidity aging test
60˚C 85% humidity 168H



IP67 waterproof test
Strips into 1 meter water for 30 minutes

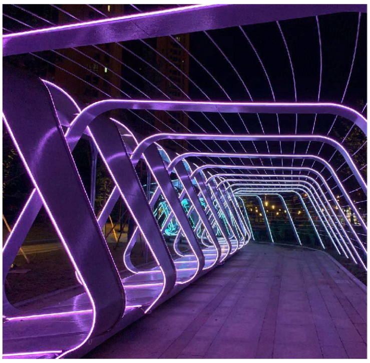
Red ink test

Strips into 120℃ red ink for 90 minutes

Anti-vulcanization

Strips into container with 5g sulfur powder, heated to 85℃ for 24H

Outdoor Applications



Parameters

	Model	LEDs/m	Typ.W/m	LM/m	CCT/Color	LEDs/cut(mm)	Length(m)	IP Process*	Warranty(years)
R2R	PD80-24V-8mm	80	4.8	410	27/30/40/6500K	8/100	5	EF ES ET NA	5
R2R	PD128-24V-8mm	128	9.6	795	27/30/40/6500K	8/62.5	5	EF ES ET NA	5
R2R	PD160-24V-8mm	160	12	995	27/30/40/6500K	8/50	5	EF ES ET NA	5
25M ULTRA LONG	PD120-48V-12mm	120	9.6	560	27/30/40/6500K	12/100	25	EF ES ET NA	5
CCT	PD128SWW-24V-10mm	256	18	1280	27+6500K	8/62.5	5	EF ES ET NA	5
RGB	PD60RGB-24V-10mm	180	9.6	300	RGB	6/100	5	EF ES ET NA	5
RGB	PD120RGB-24V-10mm	360	14.4	450	RGB	6/50	5	EF ES ET NA	5
RGBW	PD70RGBW-24V-12mm	280	16.8	640	RGB+27/30/40/6500K	7/100	5	EF ES ET NA	5

*EF-IP67 ES-IP67 ET-IP67 NA-IP65

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