

LED STRIP



COMPANY INFO

QL LIGHT CO., LTD. is a high tech-enterprise, located in Shenzhen, Guangdong province. We specialize in the research, development, engineering and marketing of LED related products. With the abundant knowledge of electric components, thermal management, industrial design and optics, our R&D team can always stay at the forefront of LED technology and provide customers top quality LED products. We have one set of strict quality inspection system and our QC staff monitors the entire production process to ensure stable and high quality. We operate the company according to ISO 9001: 2000 and all our products comply with CE standard and RoHS directives, and the LED Lights are UL, CUL, CE, RoHS approved.

We are dedicated to the following products: LED Strips, LED Light Bars, LED Modules, etc. Purely due to the super quality and excellent service, QL Light becomes one of the leading LED lights manufacturer in China and enjoys high reputation in the market. To provide customers with "Quality Products, Excellent Service, and Competitive Price" is always our Goal.

Choose QL, Let us make your life brighter.



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New & Special LED Strips

COB	180lm/W (4000lm/m)	Full Spectrum	1-Step (MacAdam)
160 Degree	SAMSUNG LED	4mm Width	300LED/m
1-LED-Cut	CCT (2 Chips in 1 LED)	High Bright (WRGBW)	6mm RGB
160 Degree	Spot-Free	335 Side-View	RGB/RGBW Digital



LED Strip List



RoHS

LED Strip Color Temperature

LED Type	Features	1-Step	1800K	2200K	2700K	3000K	3500K	4000K	5000K	6000K
2835	180lm/W	AVL	✓		✓	✓	✓	✓	✓	✓
	Ra+90				✓	✓		✓		✓
	Ra+95				✓	✓		✓		✓
	Full Spectrum				✓	✓		✓		✓
5630	150lm/W				✓	✓		✓		✓
	Ra+90				✓	✓		✓		✓
	Ra+95				✓	✓		✓		✓
	Full Spectrum				✓	✓		✓		✓
3528	SAMSUNG LED	AVL		✓	✓	✓		✓		✓
	Ra+80				✓	✓		✓		✓
	Ra+90(20mA)				✓	✓		✓		✓
	Ra+90(30mA)				✓	✓	✓	✓	✓	✓
	Ra+95				✓	✓		✓		✓
5050	Full Spectrum	AVL		✓	✓	✓		✓		✓
	Ra+80				✓	✓		✓		✓
2016	Ra+90		✓	✓	✓	✓	✓	✓	✓	✓
2216	Ra+90	AVL	✓	✓	✓	✓	✓	✓	✓	✓
335	Ra+80					✓		✓		✓
COB LED	Ra+90			✓	✓	✓	✓	✓	✓	✓
160 Degree	Ra+80					✓		✓		✓

LED Strip List

LED Type	CRI(Ra)	Color	LED Qty	Power (W/m)	Work Voltage	CC/CV	PCB Width (mm)	Lumen (lm±10%)	IP20	IP54	IP67	IP68
COB LED												
COB LED	CRI 90+	White	/	12W	12V	CV	8/10mm	1000lm	✓		✓	
			/	14W	24V	CV	8mm	1400lm	✓		✓	
			/	18W	24V	CV	10mm	1700lm	✓		✓	
	/	RYB	/	14W	24V	CV	8mm	/	✓		✓	
160 Degree												
160 Degree	CRI 80+	White	28	16.5W	12/24V	CV	10mm	1500lm	✓			
Double-Row												
SMD2216 SMD2016 (1-Step) Available	CRI 90+	Dual-White	480	38.4W	24V	CV	12mm	3360lm	✓			
			480	38.4W	24V	CV	12mm	3360lm	✓			
SMD3528 (Normal Power) (1-Step) Available	CRI 80+/90+ Full Spectrum	White	240	19.2W	24V	CV	15mm	1800lm	✓			
	/	RYGB		19.2W	24V	CV	15mm	/	✓			
	CRI 90+ CRI 95+	White	240	28.8W	24V	CV	20mm	2880lm	✓			
SMD5050 (1-Step) Available	CRI 80+ CRI 90+	White	120	28.8W	24V	CV	20mm	2800lm	✓			
	/	RYGB	120	28.8W	24V	CV	20mm	/	✓			
	/	RGB	120	28.8W	24V	CV	20mm	/	✓			



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LED Type	CRI(Ra)	Color	LED Qty	Power (W/m)	Work Voltage	CC/CV	PCB Width (mm)	Lumen (lm±10%)	IP20	IP54	IP67	IP68
SMD2835												
SMD2835 180lm/W	CRI 80+	White	128	22W	24V	CV	10mm	4000lm	✓		✓	
			128	22W	24V	With IC	12mm	4000lm	✓		✓	
			64	11.5W	24V	With IC	10mm	2100lm	✓		✓	
SMD2835 (1LED-Cut)	CRI 95+	White	60	14.4W	24V	CV	10mm	1200lm	✓		✓	
SMD2835 (2LED-Cut)	CRI 95+	Dual-White 	120	28.8W	24V	CV	10mm	2550lm	✓		✓	
			120	28.8W	24V	CV	10mm	2550lm	✓		✓	
SMD2835 (1-Step) (Two-Chips) Available	CRI 90+ Full Spectrum	White	60	14.4W	24V	CV	10mm	1300lm	✓		✓	
			120	19.2W	12/24/48V	CV	10mm	1900lm	✓		✓	
			60	14.4W	24V	With IC	10mm	1300lm	✓		✓	
			120	19.2W	24V	With IC	10mm	1900lm	✓		✓	
SMD5630												
SMD5630 150lm/W	CRI 80+	White	128	22W	24V	With IC	12mm	3400lm	✓		✓	
			64	11.5W	24V	With IC	10mm	1800lm	✓		✓	
			32	5.7W	24V	With IC	10mm	900lm	✓		✓	
SMD5630	CRI 90+ CRI 95+ Full Spectrum	White	126	22W	24V	With IC	12mm	2400lm	✓		✓	
			70	15W	24V	With IC	10mm	1700lm	✓		✓	
			60	14.4W	12V	With IC	10mm	1500lm	✓		✓	
			60	14.4W	12/24V	CV	10mm	1500lm	✓		✓	
SMD5630 	CRI 80+	White	126	22W	24V	With IC	12mm	2900lm	✓		✓	
			70	15W	24V	With IC	10mm	2100lm	✓		✓	
			60	15W	12V	With IC	10mm	1800lm	✓		✓	
			60	14.4W	12/24V	CV	10mm	1800lm	✓		✓	
SMD3528												
SMD3528 (Normal Power) (1-Step) Available	CRI 80+ CRI 90+ Full Spectrum	White	60	4.8W	12/24V	CV	8mm	480lm	✓	✓	✓	✓
			120	9.6W	12/24/48V	CV	8mm	950lm	✓	✓	✓	✓
			180	14.4W	24V	CV	10mm	1200lm	✓		✓	
			240	19.2W	24V	CV	10mm	1700lm	✓			
			240 (Two-Row)	19.2W	24V	CV	15mm	1800lm	✓			
			60	4.8W	24V	With IC	10mm	480lm	✓	✓	✓	✓
SMD3528 (High Power)	CRI 90+ CRI 95+	White	120	9.6W	24V	With IC	10mm	950lm	✓	✓	✓	✓
			60	7.2W	12/24V	CV	8mm	720lm	✓	✓	✓	✓
			78	9.4W	12/24V	CV	8mm	930lm	✓	✓	✓	✓
			120	14.4W	12/24/48V	CV	10mm	1440lm	✓	✓	✓	✓
			180	14.4W	24V	CV	10mm	1500lm	✓		✓	
			240	19.2W	24V	CV	10mm	2000lm	✓			
			240 (Two-Row)	28.8W	24V	CV	20mm	2880lm	✓			
			60	7.2W	24V	With IC	10mm	720lm	✓	✓	✓	✓
			120	14.4W	24V	With IC	10mm	1440lm	✓	✓	✓	✓
			228	18W	24V	With IC	12mm	1950lm	✓		✓	
SMD5050												
SMD5050 (1-Step) Available	CRI 80+ CRI 90+	White	30	7.2W	12/24V	CV	10mm	700lm	✓	✓	✓	✓
			60	14.4W	12/24V	CV	10mm	1400lm	✓	✓	✓	✓
			120 (Two-Row)	28.8W	24V	CV	20mm	2800lm	✓			
			60	14.4W	24V	With IC	10mm	1400lm	✓	✓	✓	✓



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RoHS

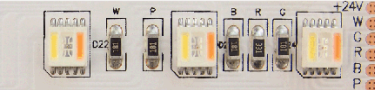
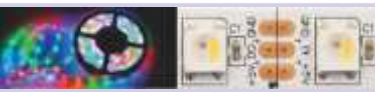
LED Type	CRI(Ra)	Color	LED Qty	Power (W/m)	Work Voltage	CC/CV	PCB Width (mm)	Lumen (lm±10%)	IP20	IP54	IP67	IP68
SMD2216 & SMD2016												
SMD2216 SMD2016 (1-Step) (Available)	CRI 90+	White	60	4.8W	12/24V	CV	8mm	420lm	✓		✓	
			120	9.6W	12/24V	CV	8mm	840lm	✓		✓	
			180	14.4W	12/24V	CV	8mm	1260lm	✓		✓	
			240	19.2W	12/24V	CV	10mm	1680lm	✓		✓	
			300	24W	12/24V	CV	10mm	2100lm	✓		✓	
			480 (Two-Row)	38.4W	24V	CV	15mm	3360lm	✓		✓	
			60	4.8W	24V	With IC	10mm	420lm	✓		✓	
			120	9.6W	24V	With IC	10mm	840lm	✓		✓	
SMD335 Side-View												
SMD335	/	White	60	4.8W	12/24V	CV	8mm	360lm	✓		✓	
			120	9.6W	12/24V	CV	8mm	720lm	✓		✓	
		RYGB	60	4.8W	12/24V	CV	8mm	/	✓		✓	
			120	9.6W	12/24V	CV	8mm	/	✓		✓	
4mm Width												
SMD2216 (1-Step) Available	CRI 90+	White	60	4.8W	12/24V	CV	4mm	420lm	✓			
			120	9.6W	12/24V	CV	4mm	840lm	✓			
			180	14.4W	12/24V	CV	4mm	1260lm	✓			
SMD2016 CRI 90+	CRI 90+	White	60	4.8W	12/24V	CV	4mm	420lm	✓			
			120	9.6W	12/24V	CV	4mm	840lm	✓			
			180	14.4W	12/24V	CV	4mm	1260lm	✓			
5mm Width												
SMD3528 (1-Step) Available	CRI 80+ CRI 90+ CRI 95+ Full Spectrum	White	60	4.8W	12/24V	CV	5mm	480lm	✓			
			120	9.6W	12/24V	CV	5mm	950lm	✓			
Dim-to-Warm												
SMD2216	CRI 90+	White	256	23W	24V	CV	10mm	1800lm	✓		✓	
SMD2835	CRI 90+		192	26W	24V	CV	10mm	2300lm	✓		✓	
Dual White Color												
SMD3528	CRI 90+	Dual-White	60	9.6W	12/24V	CV	10mm	750lm	✓	✓	✓	✓
			120	19.2W	12/24V	CV	10mm	1500lm	✓	✓	✓	✓
			156	23W	24V	CV	8mm	2000lm	✓	✓		
			60	9.6W	24V	With IC	10mm	750lm	✓	✓	✓	✓
SMD5050	CRI 90+	Dual-White	84	20W	12/24V	CV	10mm	2000lm	✓		✓	
SMD2835	CRI 95+	Dual-White	120	28.8W	24V	CV	10mm	2400lm	✓		✓	
SMD2216 SMD2016 (1-Step) Available	CRI 90+	Dual-White	240	19.2W	12/24V	CV	10mm	1680lm	✓		✓	
			480 (Two-Row)	38.4W	24V	CV	12mm	3360lm	✓		✓	
Food Lighting												
SMD5050	/	Red+2700K +6000K	30	7.2W	12/24V	CV	10mm	/	✓	✓	✓	✓
			60	14.4W	12/24V	CV	10mm	/	✓	✓	✓	✓



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LED Type	CRI(Ra)	Color	LED Qty	Power (W/m)	Work Voltage	CC/CV	PCB Width (mm)	Lumen (lm±10%)	IP20	IP54	IP67	IP68
Single-Color												
SMD3528	/		60	4.8W	12/24V	CV	8mm	/	✓	✓	✓	✓
			120	9.6W	12/24V	CV	8mm	/	✓	✓	✓	✓
			240	19.2W	24V	CV	15mm	/	✓			
			180	14.4W	24V	CV	10mm	/	✓		✓	
			240	19.2W	24V	CV	10mm	/	✓		✓	
			60	4.8W	12/24V	CV	5mm	/	✓			
			120	9.6W	12/24V	CV	5mm	/	✓			
			60	4.8W	24V	With IC	10mm	/	✓	✓	✓	✓
			120	9.6W	24V	With IC	10mm	/	✓	✓	✓	✓
			228	18W	24V	With IC	12mm	/	✓		✓	
SMD5050	/		30	7.2W	12/24V	CV	10mm	/	✓	✓	✓	✓
			60	14.4W	12/24V	CV	10mm	/	✓	✓	✓	✓
			120	28.8W	24V	CV	20mm	/	✓			
			60	14.4W	24V	With IC	10mm	/	✓	✓	✓	✓
RGB												
SMD5050	/		30	7.2W	12/24V	CV	10mm	/	✓	✓	✓	✓
			60	14.4W	12/24V	CV	10mm	/	✓	✓	✓	✓
			60	14.4W	24V	With IC	12mm	/	✓	✓	✓	✓
			96	20W	24V	CV	8mm	/	✓		✓	
			120	28.8W	24V	CV	20mm	/	✓		✓	
SMD3535	/		120	28.8W	24V	CV	12mm	/	✓		✓	
SMD2835	/		60	8.5W	12/24V	CV	6/8mm	/	✓		✓	
			120	17W	12/24V	CV	6/10mm	/	✓		✓	
RGBW&WRGBW												
SMD5050	/		60	19.2W	12/24V	CV	12mm	/	✓	✓	✓	✓
			60	19.2W	24V	With IC	12mm	/	✓	✓	✓	✓
			72	23W	12/24V	CV	12mm	/	✓	✓	✓	✓
			96	30W	24V	CV	12mm	/	✓	✓	✓	✓
			60	19.2W	12/24V	CV	12mm	/	✓	✓	✓	✓
			60	24W	12/24V	CV	12mm	/	✓	✓	✓	✓
			60	24W	12/24V	CV	12mm	/	✓	✓	✓	✓
			60	24W	12/24V	CV	12mm	/	✓	✓	✓	✓
			60	24W	12/24V	CV	12mm	/	✓	✓	✓	✓
			60	24W	12/24V	CV	12mm	/	✓	✓	✓	✓
			60	24W	12/24V	CV	12mm	/	✓	✓	✓	✓
			60	24W	12/24V	CV	12mm	/	✓	✓	✓	✓
	60	24W	12/24V	CV	12mm	/	✓	✓	✓	✓		
Digital Color												
SMD5050	/		30	9W	5V	CV	10mm	/	✓		✓	
			60	18W	5V	CV	10mm	/	✓		✓	
			30	9W	5V	CV	10mm	/	✓		✓	
			60	18W	5V	CV	10mm	/	✓		✓	
Infrared												
SMD3528	/	Infrared	60	4.8W	12/24V	CV	10mm	/	✓	✓	✓	✓
			120	9.6W	12/24V	CV	10mm	/	✓	✓	✓	✓



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LED Type	CRI(Ra)	Color	LED Qty	Power (W/m)	Work Voltage	CC/CV	PCB Width (mm)	Lumen (lm±10%)	IP20	IP54	IP67	IP68
Plant Grow Light												
SMD5050	/	Red+Blue	60	19.2W	12/24V	CV	12mm	/	✓	✓	✓	✓
		Red+Blue	60	14.4W	12/24V	CV	10mm	/	✓	✓	✓	✓
Spot-Free												
SMD3528	/	Dual-White	156	23W	24V	CV	8mm	1500lm			✓	
SMD5050	/	RGB	96	20W	24V	CV	8mm	/			✓	
SMD2216	/	White	300	12W	24V	CV	8mm	700lm			✓	
SMD3528	/	White	240	12W	24V	CV	8mm	1100lm			✓	
SMD3528	/	RYGB	240	12W	24V	CV	8mm	/			✓	
Zig-Zag Type												
SMD3528	CRI 80+ CRI 90+ Full Spectrum	White	60	4.8W	12/24V	CV	8mm	480lm	✓			
		White	60	7.2W	12/24V	CV	8mm	650lm	✓			
		RYGB	60	4.8W	12/24V	CV	8mm	/	✓			
Angle-Adjustable												
SMD3535	/	RGB	70	14.4W	24V	CV	5+8mm	/	✓			
SMD5630	CRI 90+/95+ Full Spectrum	White	70	15W	24V	With IC (CC)	5+8mm	1700lm	✓			
SMD3528	CRI 80+ CRI 90+ CRI 95+ Full Spectrum	White	70	4.8W	24V	CV	5+8mm	490lm	✓			
		White	70	7.2W	24V	CV	5+8mm	600lm	✓			
		RYGB	70	4.8W	24V	CV	5+8mm	/	✓			
1-LED-Cut												
SMD2835 CRI95+	CRI 95+	White	120	28.8W	24V	CV	10mm	2550lm	✓		✓	
			60	14.4W	24V	CV	10mm	1300lm	✓		✓	
SMD5050	CRI 80+ CRI 90+	White	60	14.4W	12V	CV	10mm	1400lm	✓	✓	✓	✓
	/	RYGB	60	14.4W	12V	CV	10mm	/	✓	✓	✓	✓
2-LED-Cut												
SMD2835 CRI95+	CRI 95+	Dual-White	120	28.8W	24V	CV	10mm	2550lm	✓		✓	
SMD5050	CRI 80+ CRI 90+	White	60	14.4W	24V	CV	10mm	1400lm	✓	✓	✓	✓
	/	RYGB	60	14.4W	24V	CV	10mm	/	✓	✓	✓	✓
High-Intensity												
SMD3528 (1-Step) Available	CRI 80+ CRI 90+ CRI 95+ Full Spectrum	White	180	14.4W	24V	CV	10mm	1200lm	✓		✓	
			240	19.2W	24V	CV	10mm	1700lm	✓		✓	
SMD2216 SMD2016 (1-Step) Available	CRI 90+	White	240	19.2W	12/24V	CV	10mm	1680lm	✓		✓	
			300	24W	12/24V	CV	10mm	2100lm	✓		✓	

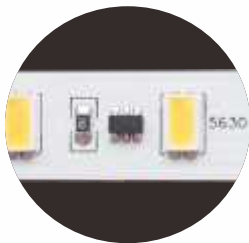


No Constant
Current Driver
Required

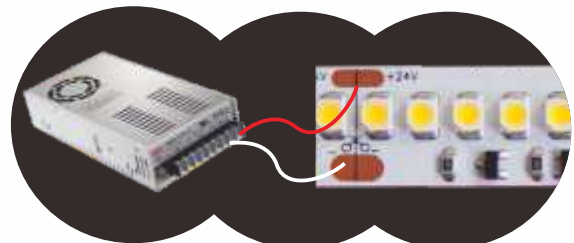
Temperature Sensor Constant Current LED Strips

1

With Constant Current IC for each segment; no need of constant current driver. Normal DC24V constant voltage power supply is enough (This IC will convert DC24V to CC for the LED)



Constant Current IC

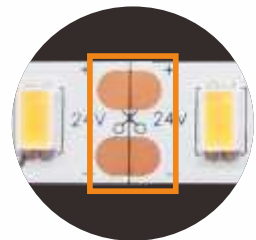


DC24V Constant Voltage
Power Supply

Constant Current Strips

2

This Constant current strips is cuttable like the Constant voltage strips. No need to change power supply after cutting



Cutting Line

3

It is of same current with DC21V to DC30V input, such voltage drop won't affect the brightness uniform of the strips. (21-30V Input)



- 4 It is with temperature sensor, when the temperature of the strips gets higher, the current will go down to protect itself and ensure long life span.



54mA Current
before heating



34mA Current
when temperature get up



54mA Current
when temperature get down back

- 5 Any DC24V Output PWM Control system or dimmer is suitable, such as RF, 0-10V, Dali, DMX512, etc.



DMX



RF



Dali

- 6 It can be made in 10m continuous length without brightness difference and color difference.

- 7 We have a full range of constant current strips of different brightness and power for your choice.



COB STRIP

Spot Free Light

Spot free strips won't dazzle your eyes



Spot free COB strips bring human beings very perfect feeling.
The light won't dazzle your eyes, since you won't see the light dot. The light is just like a light-line.
It is really perfect.



QL LIGHT CO., LTD.

<http://www.qlledstrip.com>



COB Spot-Free LED Flexible Strips

- COB Strips
- Ra+90

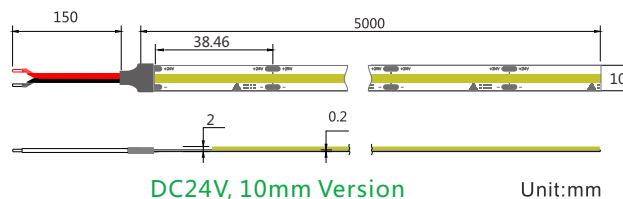
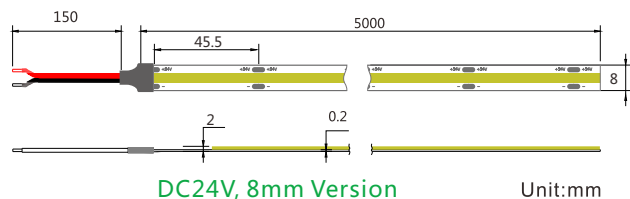
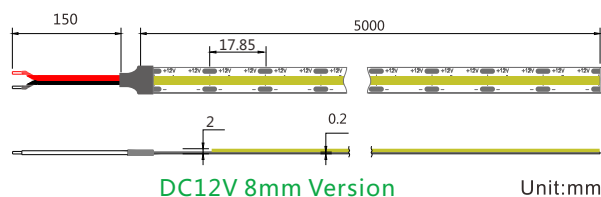
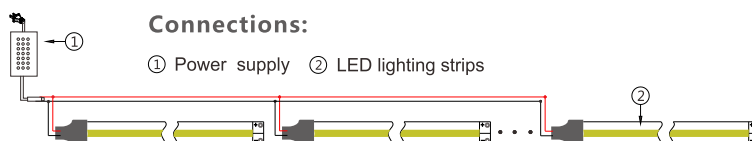


Features:

- LED: COB LED
- Power: 12W/m, 14W/m, 18W/m
- Voltage: DC12V, DC24V
- Color: Warm White, Nature White, Pure White, Red, Blue, Yellow
- Waterproof: IP20, IP67
- COB version bring you spot-free feeling

Applications:

- Cove Lighting
- Architectural decorative lighting
- Archway, canopy and bridge edge lighting
- Auditorium walkway lighting
- Backlighting for signage letters
- Channel letter lighting



Model No.	LED Type	CC/CV	Power (W/m)	Voltage	CRI(Ra)	PCB Width	Cutting (mm)	Water-proof	Color	λ (nm)/(CT:K)	Lumen (lm/m)
QL-F0603X264SA-W-12-COB	COB LED	CV Version	12W	12V	≥ 90	8mm	17.85	IP20	□ Warm White	2700/3000K	850-900
QL-F0603X264SA-N-12-COB									□ Nature White	4000-4500K	900-950
QL-F0603X264SA-P-12-COB								IP67	□ Pure White	6000-6500K	950-1000
QL-F0603X264SA-W-24-COB	COB LED	CV Version	14W	24V	≥ 90	8mm	45.5	IP20	□ Warm White	2700/3000K	1200-1300
QL-F0603X264SA-N-24-COB									□ Nature White	4000-4500K	1300-1350
QL-F0603X264SA-P-24-COB								IP67	□ Pure White	6000-6500K	1350-1450
QL-F0603X264SA-R-24-COB	COB LED	CV Version	14W	24V	/	8mm	45.5	IP20	■ Red	620-630nm	160-170
QL-F0603X264SA-B-24-COB									■ Blue	460-470nm	160-170
QL-F0603X264SA-Y-24-COB								IP67	■ Yellow	585-595nm	1000-1100
QL-F0603X264SA-W-12-COB-10	COB LED	CV Version	12W	12V	≥ 90	10mm	17.85	IP20	□ Warm White	2200/2700K	850-900
QL-F0603X264SA-N-12-COB-10									□ Nature White	3000/3500K	900-950
QL-F0603X264SA-P-12-COB-10								IP67	□ Pure White	4000/5000K	950-1000
QL-F0603X264SA-W-24-COB-10	COB LED	CV Version	18W	24V	≥ 90	10mm	38.46	IP20	□ Warm White	2200/2700K	1400-1500
QL-F0603X264SA-N-24-COB-10									□ Nature White	3000/3500K	1500-1600
QL-F0603X264SA-P-24-COB-10								IP67	□ Pure White	4000/5000K	1600-1700

180lm/W

High Efficiency

High efficiency strip will ensure the best use



180lm/W high efficiency strips make full use of the power,
leave the least power for heat and ensure the most reliable
life span. It is worth your choice



QL LIGHT CO., LTD.

<http://www.qlledstrip.com>

LED Test Report of **180lm/W** Strip

Product Mark

Product Type :QL LIGHT 180lm/w

Temperature :25°C

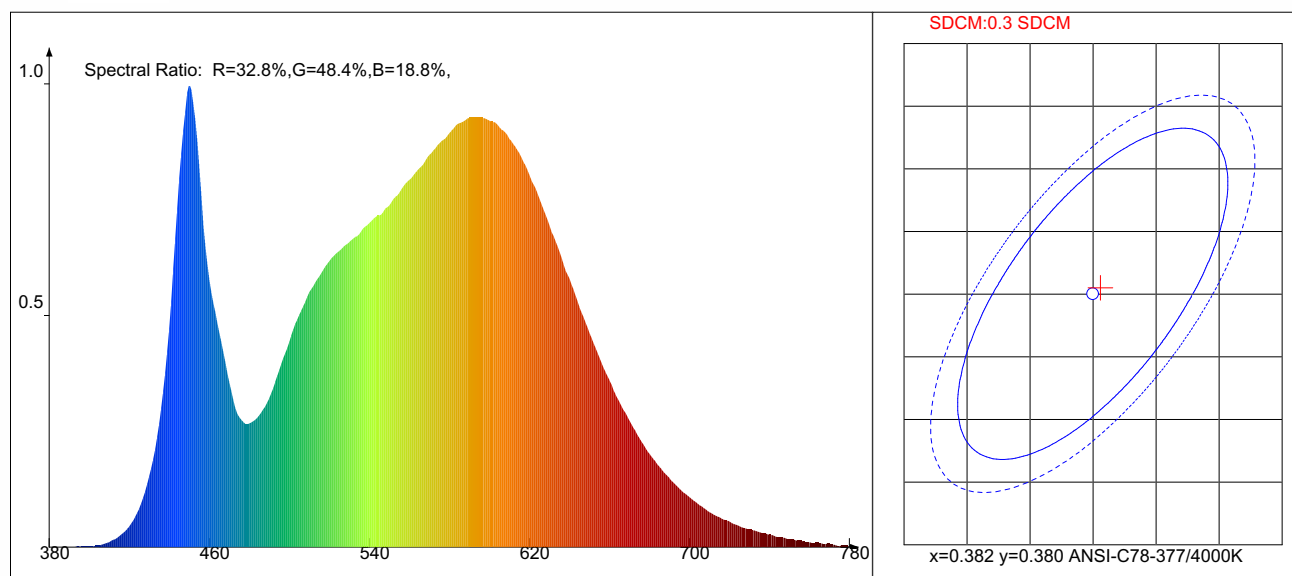
Operator :RD

Remark:

Manufacturer :QL LIGHT

Humidity :65%

Test Date :2017-09-06 11:25:05



Chroma Parameters

Chro. Coor.: x=0.3824 y=0.3802 u=0.2251 v=0.3356 duv=0.0010

CCT: 3972K Dominant Wave.:578.6nm Purity:28.9%

Flux RGB Ratio:R=18.3%,G=79.4%,B=2.3% Peak Wave:450.5nm Half Width:23.0nm

Rendering Index:Ra= 82.3

R1 =80	R2 =88	R3 =95	R4 =83	R5 =82	R6 =84	R7 =85	R8 =63
R9 =5	R10=73	R11=81	R12=62	R13=82	R14=97	R15=74	

Photo Parameters

Flux:4011.33lm

Effi.:182.7lm/W

Radiant:10490.0mW

Iv:0.0mcd

Efficiency:0.07

Effi Level:A++ (EU 874-2012)

Ele. Parameters

Voltage:U=23.950V

Current:I=0.9160A

Power:P=21.96W

Power Factor:PF=1.000

Lamp Parameters

Voltage:U=23.950V

Current:I=0.9160A

Power:P=21.95W

Power Factor:PF=1.000

Efficacy:0.0lm/W

Instrument state

Instrument:Hopoo HP8000S

Integral Time: 75.067ms

VPeak: 14805

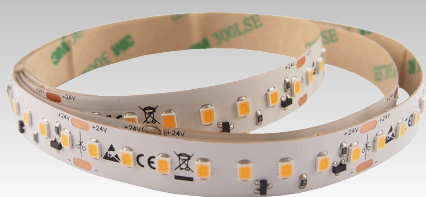
VDark: 1121

Product ID: 201501792



180lm/W SMD2835 LED Strip

- 180 lm/W
- 4000 lm/m, CC/CV Version



Features:

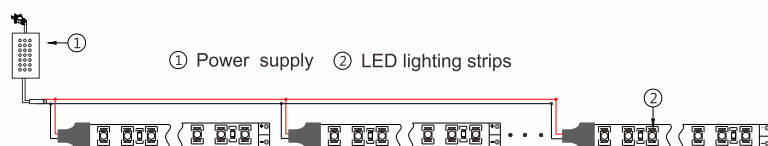
- Light Efficiency: 180lm/W
- LED: SMD2835
- Constant Current Version
- LED Qty: 128LED/m, 64LED/m
- Power: 22W/m, 11.5W/m
- Voltage: DC24V
- Color: Warm White, Nature White, Pure White
- Cutting: 8LED cutting for DC24V Version
- Waterproof: IP20, IP67



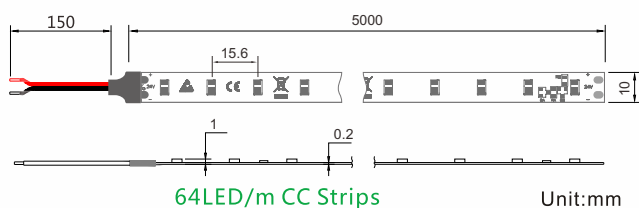
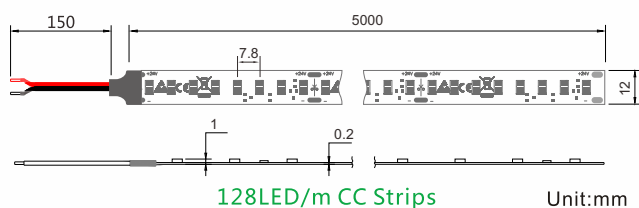
Applications:

- Cove Lighting
- Architectural decorative lighting
- Archway, canopy and bridge Lighting
- Auditorium walkway lighting
- Backlighting for signage letters
- Channel letter lighting

Connections:



Dimension Drawings:



Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	CRI	PCB Width	Waterproof	Color	Light Efficiency	λ (Nm)/(CT:K)	lumen (lm/m)
QL-F2835X64-W-24C-HE	SMD2835	CC Version	128LED/m	22W	24V	≥80	12mm	IP20/IP67	Warm White	170lm/W	2700/3000/3500K	3700-3800
QL-F2835X64-N-24C-HE									Nature White	180lm/W	4000/5000K	3900-4000
QL-F2835X64-P-24C-HE									Pure White	180lm/W	6000-6500K	3900-4000
QL-F2835X32-W-24C-HE	SMD2835	CC Version	64LED/m	11.5W	24V	≥80	10mm	IP20/IP67	Warm White	170lm/W	2700/3000/3500K	1900-2000
QL-F2835X32-N-24C-HE									Nature White	180lm/W	4000/5000K	2000-2100
QL-F2835X32-P-24C-HE									Pure White	180lm/W	6000-6500K	2000-2100
QL-F2835X64-W-24-HE	SMD2835	CV Version	128LED/m	22W	24V	≥80	10mm	IP20/IP67	Warm White	170lm/W	2700/3000/3500K	3700-3800
QL-F2835X64-N-24-HE									Nature White	180lm/W	4000/5000K	3900-4000
QL-F2835X64-P-24-HE									Pure White	180lm/W	6000-6500K	3900-4000

Remark: X stands for waterproof version, A stands for IP20 non-waterproof version, C stands for IP67 waterproof version.
CC means Constant Current version, CV means Constant Voltage version.



150lm/W SMD5630 LED Strips

- 150 lm/W
- 3300 lm/m, CC Version



Features:

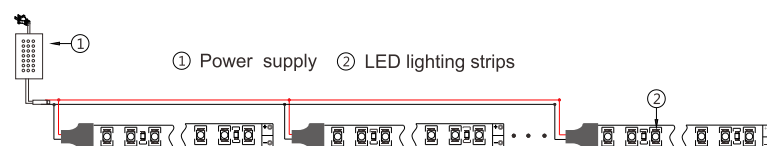
- Light Efficiency: 150lm/W
- LED: SMD5630
- Constant Current Version
- LED Qty: 128LED/m, 64LED/m, 32LED/m
- Power: 22W/m, 11.5W/m, 5.7W/m
- Voltage: DC24V
- Color: Warm White, Nature White, Pure White
- Waterproof: IP20, IP67



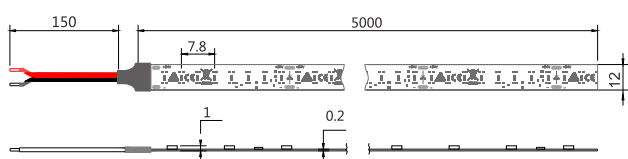
Applications:

- Cove Lighting
- Architectural decorative lighting
- Archway, canopy and bridge Lighting
- Auditorium walkway lighting
- Backlighting for signage letters
- Channel letter lighting

Connections:

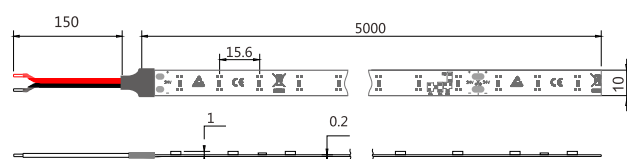


Dimension Drawings:



128LED/m CC Strips

Unit:mm



64LED/m CC Strips

Unit:mm

Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	Light Efficiency	CRI(Ra)	PCB Width	Water-proof	Color	(CT:K)	Lumen (lm/m)
QL-F5630X64-W-24C-HE	SMD5630	CC Version	128	22W	24V	150lm/W	≥80	12mm	IP20 IP67	Warm White	2700/3000K	3000-3100
QL-F5630X64-N-24C-HE										Nature White	4000-4500K	3100-3200
QL-F5630X64-P-24C-HE										Pure White	6000-6500K	3200-3300
QL-F5630X32-W-24C-HE	SMD5630	CC Version	64	11.5W	24V	150lm/W	≥80	10mm	IP20 IP67	Warm White	2700/3000K	1600-1650
QL-F5630X32-N-24C-HE										Nature White	4000-4500K	1650-1700
QL-F5630X32-P-24C-HE										Pure White	6000-6500K	1700-1750
QL-F5630X16-W-24C-HE	SMD5630	CC Version	32	5.7W	24V	150lm/W	≥80	10mm	IP20 IP67	Warm White	2700/3000K	780-810
QL-F5630X16-N-24C-HE										Nature White	4000-4500K	810-840
QL-F5630X16-P-24C-HE										Pure White	6000-6500K	840-860

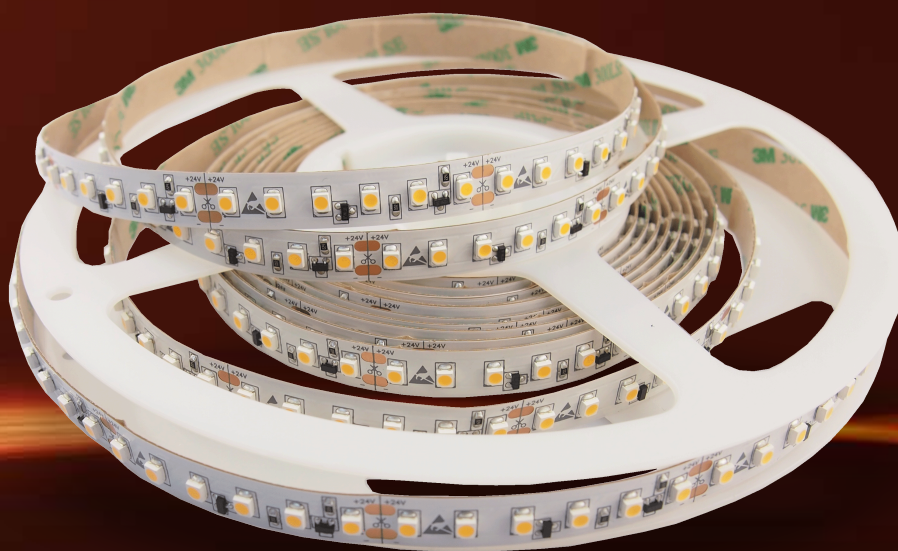
Remark: X stands for waterproof version, A stands for IP20 non-waterproof version, C stands for IP67 waterproof version.

CC means Constant Current version, CV means Constant Voltage version.

Full Spectrum

High Color Rendering CRI95+

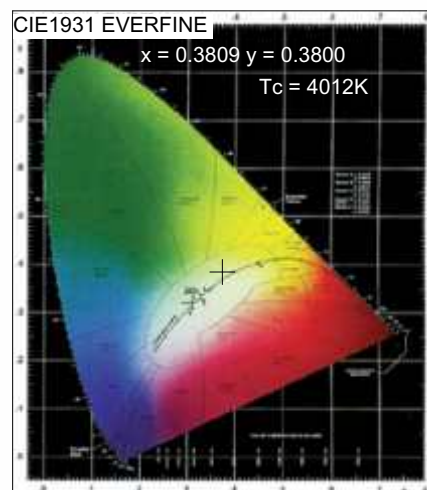
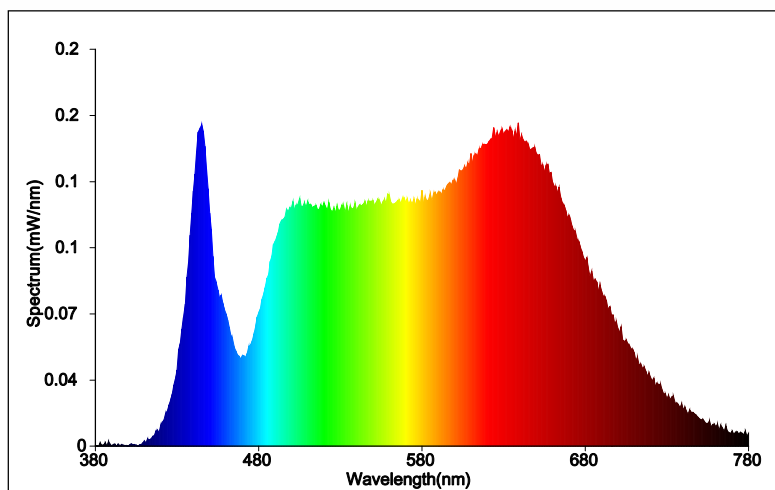
Full Spectrum Light will bring you a True world!



QL LIGHT CO., LTD.

<http://www.qlledstrip.com>

Test Report of Full Spectrum Strips



Color Parameters:

Chromaticity Coordinate: $x=0.3809$ $y=0.3800$ $u'=0.2241$ $v'=0.5031$ $duv=1.360e-003$

$T_c=4012K$ Dominant WL: $L_d=578.3nm$ Purity=28.3%

Ratio: $R=20.7\%$ $G=74.6\%$ $B=4.7\%$ Peak WL: $L_p=444.5nm$ HWL:18.1nm

Render Index: $R_a=96.8$ $CRI=96.4$

$R_1=97.003$ $R_2=99.688$ $R_3=96.307$ $R_4=93.094$ $R_5=96.523$ $R_6=99.007$ $R_7=96.761$

$R_8=95.912$ $R_9=93.741$ $R_{10}=99.225$ $R_{11}=89.986$ $R_{12}=96.106$ $R_{13}=97.779$ $R_{14}=97.694$ $R_{15}=97.814$

TM30 Parameters: $R_f=95.8$, $R_g=102.2$

Photo Parameters:

Flux = 9.866 lm Eff. : 111.68 lm/W $F_e=36.16$ mW

Electrical parameters:

$V_F=2.947$ V $I_F=29.97$ mA $P=88.34$ mW

$I_R=0$ μA ($V_R=5.000$ V)

LEVEL:New Class WHITE:NK2

Status: $T=80.00ms$ $I_p=2795$ (4%) [HAAS2000_V3_USB] V2.00.275

Model:3528
Tester:QL
Temperature:24Deg
Manufactory:QL LIGHT
Assessor:damin
System:LED300 + HAAS2000_V3_USB

Number:1547
Date:2018-10-09 09-39
Humidity:35%
Remarks:---



Full-Spectrum SMD5630 LED Strips

- Full-Spectrum
- Two-Chip
- CC/CV Version



Features:

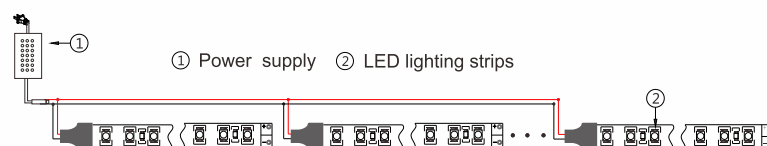
- LED: Full-Spectrum SMD5630 with Two Chips
- Constant Current and Constant Voltage Version
- LED Qty: 126LED/m, 70LED/m, 60LED/m
- Power: 22W/m, 15W/m, 14.4W/m
- Voltage: DC24V and DC12V
- Color: Warm White, Nature White, Pure White
- Waterproof: IP20, IP67
- Cutting: 7LED or 6LED cutting for DC24V version and 3LED for cutting DV12V version



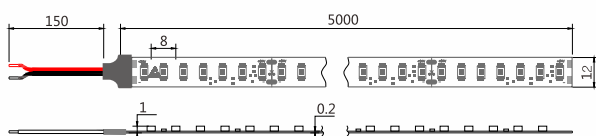
Applications:

- Cove Lighting
- Architectural decorative lighting
- Archway, canopy and bridge Lighting
- Auditorium walkway lighting
- Backlighting for signage letters
- Channel letter lighting

Connections:

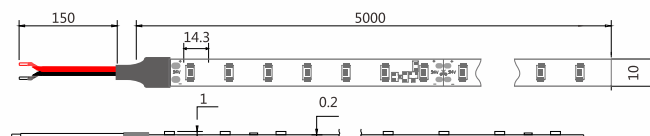


Dimension Drawings:



126LED/m CC Strips

Unit:mm



70LED/m CC Strips

Unit:mm

Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	Light Efficiency	CRI(Ra)	PCB Width	Water-proof	Color	(CT:K)	Lumen (lm/m)
QL-F5630X63-W-24C-FS	SMD5630	CC Version	126	22W	24V	100lm/W	Full-Spectrum	12mm	IP20 IP67	□ WarmWhite	2700/3000K	1800-1900
QL-F5630X63-N-24C-FS										□ NatureWhite	4000-4500K	2000-2100
QL-F5630X63-P-24C-FS										□ Pure White	6000-6500K	2100-2200
QL-F5630X35-W-24C-FS	SMD5630	CC Version	70	15W	24V	100lm/W	Full-Spectrum	10mm	IP20 IP67	□ WarmWhite	2700/3000K	1350-1400
QL-F5630X35-N-24C-FS										□ NatureWhite	4000-4500K	1450-1500
QL-F5630X35-P-24C-FS										□ Pure White	6000-6500K	1500-1600
QL-F5630X30-W-12C-FS	SMD5630	CC Version	60	14.4W	12V	100lm/W	Full-Spectrum	10mm	IP20 IP67	□ WarmWhite	2700/3000K	1150-1200
QL-F5630X30-N-12C-FS										□ NatureWhite	4000-4500K	1250-1300
QL-F5630X30-P-12C-FS										□ Pure White	6000-6500K	1300-1400
QL-F5630X30-W-12/24-FS	SMD5630	CV Version	60	14.4W	12V/24V	100lm/W	Full-Spectrum	10mm	IP20 IP67	□ WarmWhite	2700/3000K	1150-1200
QL-F5630X30-N-12/24-FS										□ NatureWhite	4000-4500K	1250-1300
QL-F5630X30-P-12/24-FS										□ Pure White	6000-6500K	1300-1400

Remark: X stands for waterproof version, A stands for IP20 non-waterproof version, C stands for IP67 waterproof version.
CC means Constant Current version, CV means Constant Voltage version.



Full-Spectrum SMD2835 LED Flexible Strips

- Full-Spectrum
- Two-Chip
- CC/CV Version



Specifications:

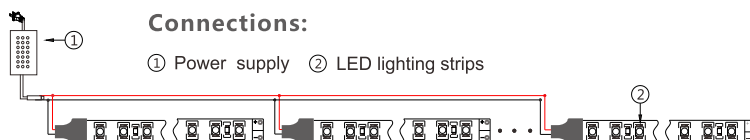
- LED: Full-Spectrum SMD2835 with two chips
- Constant current version and constant voltage version
- LED Quantity: 60LED/m, 120LED/m
- Power: 14.4W/m, 19.2W/m
- Voltage: DC12V, DC24V
- Color: Warm White, Nature White, Pure White
- Waterproof: IP20, IP67
- Cutting: 6LED cutting for DC24V version and 3LED cutting for DC12V version



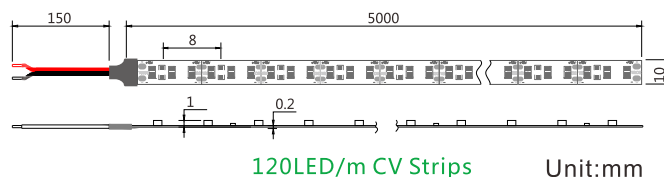
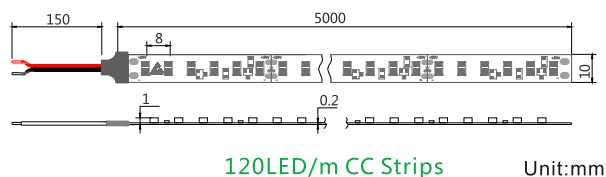
Applications:

- Cove Lighting
- Architectural decorative lighting
- Archway, canopy and bridge edge lighting
- Auditorium walkway lighting
- Backlighting for signage letters
- Channel letter lighting

Connections:



Dimension Drawings:



Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	CRI(Ra)	PCB Width	Water-proof	Color	(CT:K)	Lumen (lm/m)
QL-F2835A60-W-24C-FS	SMD2835	CC Version	120	19.2W	24V	Full-Spectrum	10mm	IP20	□ Warm White	2700/3000K	1650-1700
QL-F2835A60-N-24C-FS									□ Nature White	4000-4500K	1700-1750
QL-F2835A60-P-24C-FS									□ Pure White	6000-6500K	1750-1800
QL-F2835X30-W-24C-FS	SMD2835	CC Version	60	14.4W	24V	Full-Spectrum	10mm	IP20 IP67	□ Warm White	2700/3000K	950-1000
QL-F2835X30-N-24C-FS									□ Nature White	4000-4500K	1000-1050
QL-F2835X30-P-24C-FS									□ Pure White	6000-6500K	1050-1100
QL-F2835A60-W-12/24-FS	SMD2835	CV Version	120	19.2W	12V/24V	Full-Spectrum	10mm	IP20	□ Warm White	2700/3000K	1650-1700
QL-F2835A60-N-12/24-FS									□ Nature White	4000-4500K	1700-1750
QL-F2835A60-P-12/24-FS									□ Pure White	6000-6500K	1750-1800
QL-F2835X30-W-12/24-FS	SMD2835	CV Version	60	14.4W	12V/24V	Full-Spectrum	10mm	IP20 IP67	□ Warm White	2700/3000K	950-1000
QL-F2835X30-N-12/24-FS									□ Nature White	4000-4500K	1000-1050
QL-F2835X30-P-12/24-FS									□ Pure White	6000-6500K	1050-1100

Remark: X stands for waterproof version, A stands for non-waterproof version, C stands for IP67 waterproof version.
CC means constant current version, CV means Constant Voltage Version



Full-Spectrum SMD3528 LED Strips

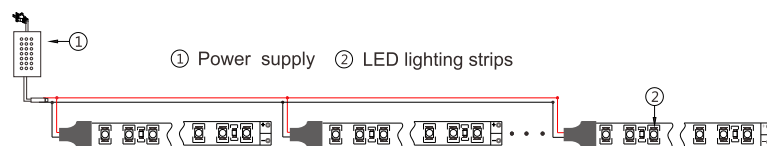
- Full-Spectrum
- CC/CV Version



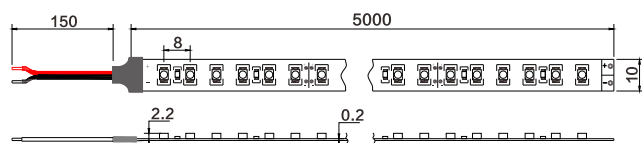
Features:

- LED: Full-Spectrum SMD3528 with Two Chips
- Constant Current and Constant Voltage Version
- LED Qty: 240LED/m, 228LED/m, 180LED/m, 120LED/m, 78LED/m, 60LED/m
- Power: 19.2W/m, 18W/m, 14.4W/m, 9.6W/m, 4.8W/m
- Voltage: DC24V and DC12V
- Color: Warm White, Nature White, Pure White
- Waterproof: IP20/IP54/IP67/IP68
- Cutting: 6LED cutting for DC24V version and 3 LED cutting for DC12V version

Connections:

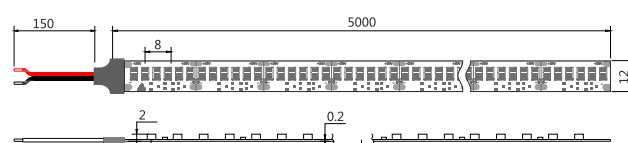


Dimension Drawings:



120LED/m CV Strips

Unit:mm



228LED/m CC Strips

Unit:mm

Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	CRI(Ra)	PCB Width	Water-proof	Color	(CT:K)	Lumen (lm/m)
QL-F3528X114-W-24C-FS	SMD3528	CC Version	228	18W	24V	Full-Spectrum	12mm	IP20 IP67	□ Warm White	2700/3000K	1300-1400
QL-F3528X114-N-24C-FS									□ Nature White	4000-4500K	1400-1500
QL-F3528X114-P-24C-FS									□ Pure White	6000-6500K	1500-1500
QL-F3528X60-W-24C-FS	SMD3528	CC Version	120	9.6W	24V	Full-Spectrum	10mm	IP20-IP68	□ Warm White	2700/3000K	680-700
QL-F3528X60-N-24C-FS									□ Nature White	4000-4500K	740-760
QL-F3528X60-P-24C-FS									□ Pure White	6000-6500K	790-820
QL-F3528X30-W-24C-FS	SMD3528	CC Version	60	4.8W	24V	Full-Spectrum	10mm	IP20-IP68	□ Warm White	2700/3000K	330-350
QL-F3528X30-N-24C-FS									□ Nature White	4000-4500K	360-380
QL-F3528X30-P-24C-FS									□ Pure White	6000-6500K	390-410
QL-F3528A120-W-24-S1FS	SMD3528	CV Version	240	19.2W	24V	Full-Spectrum	10mm	IP20 IP67	□ Warm White	2700/3000K	1600-1700
QL-F3528A120-N-24-S1FS									□ Nature White	4000-4500K	1700-1800
QL-F3528A120-P-24-S1FS									□ Pure White	6000-6500K	1800-1900
QL-F3528A90-W-24-FS	SMD3528	CV Version	180	14.4W	24V	Full-Spectrum	10mm	IP20 IP67	□ Warm White	2700/3000K	1000-1100
QL-F3528A90-N-24-FS									□ Nature White	4000-4500K	1100-1200
QL-F3528A90-P-24-FS									□ Pure White	6000-6500K	1200-1300
QL-F3528X60-W-12/24-FS	SMD3528	CV Version	120	9.6W	12V/24V	Full-Spectrum	10mm	IP20-IP68	□ Warm White	2700/3000K	680-700
QL-F3528X60-N-12/24-FS									□ Nature White	4000-4500K	740-760
QL-F3528X60-P-12/24-FS									□ Pure White	6000-6500K	790-820
QL-F3528X39-W-12/24-FS	SMD3528	CV Version	78	6.3W	12V/24V	Full-Spectrum	8mm	IP20-IP68	□ Warm White	2700/3000K	440-460
QL-F3528X39-N-12/24-FS									□ Nature White	4000-4500K	460-490
QL-F3528X39-P-12/24-FS									□ Pure White	6000-6500K	490-540
QL-F3528X30-W-12/24-FS	SMD3528	CV Version	60	4.8W	12V/24V	Full-Spectrum	8mm	IP20-IP68	□ Warm White	2700/3000K	330-350
QL-F3528X30-N-12/24-FS									□ Nature White	4000-4500K	360-380
QL-F3528X30-P-12/24-FS									□ Pure White	6000-6500K	390-410

Remark: X stands for waterproof version, A stands for IP20 version, B and S stands for IP54 version, C stands for IP67 version and D stands for IP68 version

CC means Constant Current version, CV means Constant Voltage version.

1-Step

MacAdam Ellipse

1-Step MacAdam Ellipse ensure you perfect color uniform

1-Step MacAdam Ellipse LED strip will bring you perfect color uniform.
You won't be worried to see different color from differnt batch of strips.



QL LIGHT CO., LTD.



1-Step CRI $\geq$ 90 SMD2835 LED Flexible Strips

- 1-Step
- Ra+90
- CC/CV Version



Specifications:

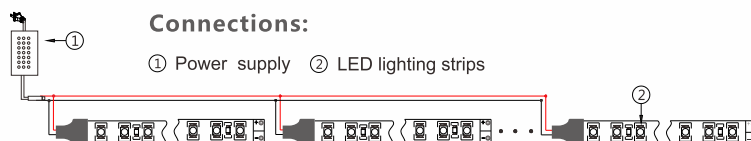
- LED: 1-Step CRI $\geq$ 90 SMD2835 with two chips
- Constant current version and constant voltage version
- LED Quantity: 60LED/m, 120LED/m
- Power: 14.4W/m, 19.2W/m
- Voltage: DC12V, DC24V
- Color: Warm White, Nature White, Pure White
- Waterproof: IP20, IP67
- Cutting: 6LED cutting for DC24V version and 3LED cutting for DC12V version

Applications:

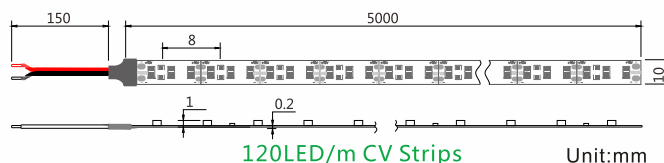
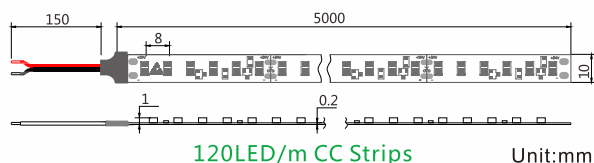
- Cove Lighting
- Architectural decorative lighting
- Archway, canopy and bridge edge lighting
- Auditorium walkway lighting
- Backlighting for signage letters
- Channel letter lighting



Connections:



Dimension Drawings:



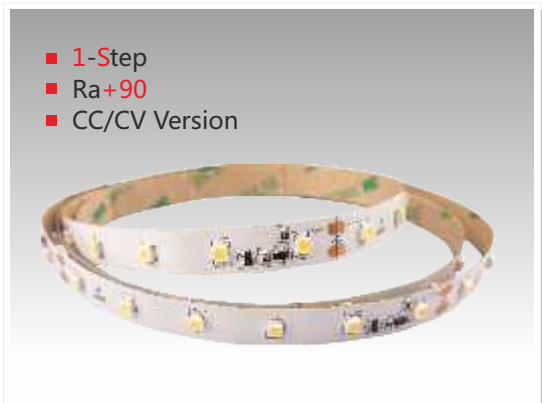
Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	CRI(Ra)	PCB Width	Water-proof	Color	(CT:K)	Lumen (lm/m)
QL-F2835A60SA-W-24C-OS	SMD2835	CC Version	120	19.2W	24V	≥ 90	10mm	IP20	□ Warm White	2700/3000K	1700-1750
QL-F2835A60SA-N-24C-OS									□ Nature White	4000-4500K	1750-1800
QL-F2835A60SA-P-24C-OS									□ Pure White	6000-6500K	1800-1850
QL-F2835X30SA-W-24C-OS	SMD2835	CC Version	60	14.4W	24V	≥ 90	10mm	IP20 IP67	□ Warm White	2700/3000K	1000-1100
QL-F2835X30SA-N-24C-OS									□ Nature White	4000-4500K	1100-1200
QL-F2835X30SA-P-24C-OS									□ Pure White	6000-6500K	1200-1300
QL-F2835A60SA-W-12/24-OS	SMD2835	CV Version	120	19.2W	12V/24V	≥ 90	10mm	IP20	□ Warm White	2700/3000K	1700-1750
QL-F2835A60SA-N-12/24-OS									□ Nature White	4000-4500K	1750-1800
QL-F2835A60SA-P-12/24-OS									□ Pure White	6000-6500K	1800-1850
QL-F2835X30SA-W-12/24-OS	SMD2835	CV Version	60	14.4W	12V/24V	≥ 90	10mm	IP20 IP67	□ Warm White	2700/3000K	1000-1100
QL-F2835X30SA-N-12/24-OS									□ Nature White	4000-4500K	1100-1200
QL-F2835X30SA-P-12/24-OS									□ Pure White	6000-6500K	1200-1300

Remark: X stands for waterproof version, A stands for non-waterproof version, C stands for IP67 waterproof version.

CC means constant current version, CV means Constant Voltage Version



1-Step CRI≥90 SMD3528 LED Strips

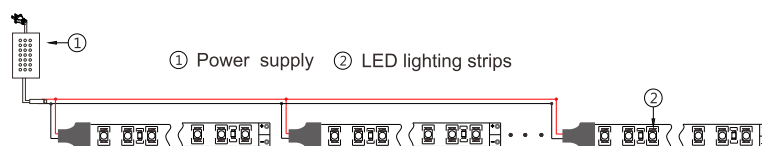


- 1-Step
- Ra+90
- CC/CV Version

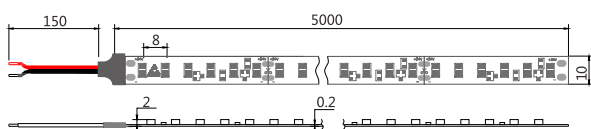
Features:

- LED: 1-Step CRI≥90 SMD3528
- Constant Current and Constant Voltage Version
- LED Qty: 240LED/m, 228LED/m, 180LED/m, 120LED/m, 78LED/m, 60LED/m
- Power: 19.2W/m, 18W/m, 14.4W/m, 9.4W/m, 7.2W/m
- Voltage: DC24V and DC12V
- Color: Warm White, Nature White, Pure White
- Waterproof: IP20/IP54/IP67/IP68
- Cutting: 6LED cutting for DC24V version and 3 LED cutting for DC12V version

Connections:

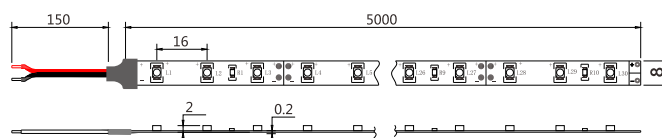


Dimension Drawings:



120LED/m CC Strips

Unit:mm



60LED/m CV Strips

Unit:mm

Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	CRI(Ra)	PCB Width	Water-proof	Color	(CT:K)	Lumen (lm/m)
QL-F3528X114SAL-W-24C-OS	SMD3528	CC Version	228	18W	24V	≥90	12mm	IP20	□ Warm White	2700/3000K	1400-1500
QL-F3528X114SAL-N-24C-OS									□ Nature White	4000-4500K	1500-1600
QL-F3528X114SAL-P-24C-OS									□ Pure White	6000-6500K	1600-1700
QL-F3528X60SAL-W-24C-OS	SMD3528	CC Version	120	9.6W	24V	≥90	10mm	IP20-IP68	□ Warm White	2700/3000K	750-820
QL-F3528X60SAL-N-24C-OS									□ Nature White	4000-4500K	820-850
QL-F3528X60SAL-P-24C-OS									□ Pure White	6000-6500K	850-900
QL-F3528X30SAL-W-24C-OS	SMD3528	CC Version	60	4.8W	24V	≥90	10mm	IP20-IP68	□ Warm White	2700/3000K	380-400
QL-F3528X30SAL-N-24C-OS									□ Nature White	4000-4500K	400-420
QL-F3528X30SAL-P-24C-OS									□ Pure White	6000-6500K	420-450
QL-F3528A120SAL-W-24-S1OS	SMD3528	CV Version	240	19.2W	24V	≥90	10mm	IP20	□ Warm White	2700/3000K	1700-1800
QL-F3528A120SAL-N-24-S1OS									□ Nature White	4000-4500K	1800-1900
QL-F3528A120SAL-P-24-S1OS									□ Pure White	6000-6500K	1900-2000
QL-F3528A90SAL-W-24-OS	SMD3528	CV Version	180	14.4W	24V	≥90	10mm	IP20	□ Warm White	2700/3000K	1000-1100
QL-F3528A90SAL-N-24-OS									□ Nature White	4000-4500K	1100-1200
QL-F3528A90SAL-P-24-OS									□ Pure White	6000-6500K	1200-1300
QL-F3528X60SAL-W-12/24-OS	SMD3528	CV Version	120	9.6W	12V/24V	≥90	10mm	IP20-IP68	□ Warm White	2700/3000K	750-820
QL-F3528X60SAL-N-12/24-OS									□ Nature White	4000-4500K	820-850
QL-F3528X60SAL-P-12/24-OS									□ Pure White	6000-6500K	850-900
QL-F3528X39SAL-W-12/24-OS	SMD3528	CV Version	78	6.3W	12V/24V	≥90	8mm	IP20-IP68	□ Warm White	2700/3000K	480-520
QL-F3528X39SAL-N-12/24-OS									□ Nature White	4000-4500K	520-550
QL-F3528X39SAL-P-12/24-OS									□ Pure White	6000-6500K	550-580
QL-F3528X30SAL-W-12/24-OS	SMD3528	CV Version	60	4.8W	12V/24V	≥90	8mm	IP20-IP68	□ Warm White	2700/3000K	380-400
QL-F3528X30SAL-N-12/24-OS									□ Nature White	4000-4500K	400-420
QL-F3528X30SAL-P-12/24-OS									□ Pure White	6000-6500K	420-450

Remark: X stands for waterproof version, A stands for IP20 version, B and S stands for IP54 version, C stands for IP67 version and D stands for IP68 version
CC means Constant Current version, CV means Constant Voltage version.



1-Step CRI≥90 SMD2216 LED Strips

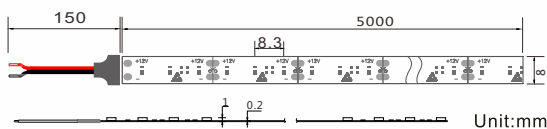
- 1-Step
- Ra+90
- CC/CV Version



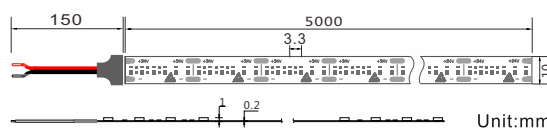
Features:

- LED: 1-Step CRI≥90 SMD2216
- Constant Voltage and Constant Current Version
- LED Qty: 480LED/m, 300LED/m, 240LED/m, 180LED/m, 120LED/m, 60LED/m
- Power: 38.4W/m, 24W/m, 19.2W/m, 14.4W/m, 9.6W/m, 4.8W/m
- Voltage: DC12V, DC24V
- Color: Warm White, Nature White, Pure White
- Waterproof: IP20, IP67
- Single-Line Cutting: 6LED for DC24V version, and 3LED for DC12V version

Dimension Drawings:



120LED/m Strips



300LED/m Strips

Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	CRI(Ra)	PCB Width	Water-proof	Color	λ (Nm)/(CT:K)	lumen (lm/m)
QL-F2216X30SA-W-12/24-OS	SMD2216	CV Version	60	4.8W	12V/24V	≥90	8mm	IP20 IP67	□ Warm White	2700/3000/3500K	340-360
QL-F2216X30SA-N-12/24-OS									□ Nature White	4000/5000K	370-390
QL-F2216X30SA-P-12/24-OS									□ Pure White	6000-6500K	400-420
QL-F2216X60SA-W-12/24-OS	SMD2216	CV Version	120	9.6W	12V/24V	≥90	8mm	IP20 IP67	□ Warm White	2700/3000/3500K	680-720
QL-F2216X60SA-N-12/24-OS									□ Nature White	4000/5000K	740-780
QL-F2216X60SA-P-12/24-OS									□ Pure White	6000-6500K	800-840
QL-F2216X90SA-W-12/24-OS	SMD2216	CV Version	180	14.4W	12V/24V	≥90	8mm	IP20 IP67	□ Warm White	2700/3000/3500K	1000-1100
QL-F2216X90SA-N-12/24-OS									□ Nature White	4000/5000K	1100-1200
QL-F2216X90SA-P-12/24-OS									□ Pure White	6000-6500K	1200-1300
QL-F2216X120SA-W-12/24-OS	SMD2216	CV Version	240	19.2W	12/24V	≥90	10mm	IP20 IP67	□ Warm White	2700/3000/3500K	1350-1450
QL-F2216X120SA-N-12/24-OS									□ Nature White	4000/5000K	1500-1600
QL-F2216X120SA-P-12/24-OS									□ Pure White	6000-6500K	1600-1700
QL-F2216X150SA-W-12/24-OS	SMD2216	CV Version	300	24W	12/24V	≥90	10mm	IP20	□ Warm White	2700/3000/3500K	1700-1800
QL-F2216X150SA-N-12/24-OS									□ Nature White	4000/5000K	1850-1950
QL-F2216X150SA-P-12/24-OS									□ Pure White	6000-6500K	2000-2100
QL-F2216X240SA-W-24-OS	SMD2216 Two-Row	CV Version	480	38.4W	24V	≥90	15mm	IP20	□ Warm White	2700/3000/3500K	2700-2800
QL-F2216X240SA-N-24-OS									□ Nature White	4000/5000K	2900-3000
QL-F2216X240SA-P-24-OS									□ Pure White	6000-6500K	3200-3400
QL-F2216X30SA-W-12/24-4OS	SMD2216	CV Version	60	4.8W	12V/24V	≥90	4mm	IP20	□ Warm White	2700/3000/3500K	340-360
QL-F2216X30SA-N-12/24-4OS									□ Nature White	4000/5000K	370-390
QL-F2216X30SA-P-12/24-4OS									□ Pure White	6000-6500K	400-420
QL-F2216X60SA-W-12/24-4OS	SMD2216	CV Version	120	9.6W	12V/24V	≥90	4mm	IP20	□ Warm White	2700/3000/3500K	680-720
QL-F2216X60SA-N-12/24-4OS									□ Nature White	4000/5000K	740-780
QL-F2216X60SA-P-12/24-4OS									□ Pure White	6000-6500K	800-840
QL-F2216X90SA-W-12/24-4OS	SMD2216	CV Version	180	14.4W	12V/24V	≥90	4mm	IP20	□ Warm White	2700/3000/3500K	1000-1100
QL-F2216X90SA-N-12/24-4OS									□ Nature White	4000/5000K	1100-1200
QL-F2216X90SA-P-12/24-4OS									□ Pure White	6000-6500K	1200-1300
QL-F2216X30SA-W-24C-OS	SMD2216	With IC CC Version	60	4.8W	24V	≥90	10mm	IP20 IP67	□ Warm White	2700/3000/3500K	340-360
QL-F2216X30SA-N-24C-OS									□ Nature White	4000/5000K	370-390
QL-F2216X30SA-P-24C-OS									□ Pure White	6000-6500K	400-420
QL-F2216X60SA-W-24C-OS	SMD2216	With IC CC Version	120	9.6W	24V	≥90	10mm	IP20 IP67	□ Warm White	2700/3000/3500K	680-720
QL-F2216X60SA-N-24C-OS									□ Nature White	4000/5000K	740-780
QL-F2216X60SA-P-24C-OS									□ Pure White	6000-6500K	800-840
QL-F2216X120TSA-H-12/24-OS	SMD2216	CV Version	240	19.2W	12V/24V	≥90	10mm	IP20 IP67	□ □ Dual White	2500-6000K	1500-1600
QL-F2216X240TSA-H-12/24-OS	SMD2216 Two-Row	CV Version	480	38.4W	12/24V	≥90	12mm	IP20	□ □ Dual White	2500-6000K	3000-3200



1-Step CRI $\geq$ 90 SMD5050 LED Strips

- 1-Step
- Ra+90
- CC/CV Version



Features:

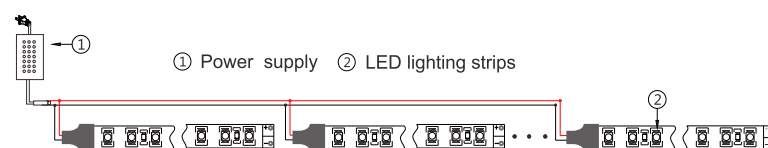
- LED: 1-Step CRI $\geq$ 90 SMD5050 with two chips
- Constant Current and Constant Voltage Version
- LED Qty: 60LED/m, 30LED/m
- Power: 14.4W/m, 7.2W/m
- Voltage: DC24V and DC12V
- Color: Warm White, Nature White, Pure White
- Waterproof: IP20/IP54/IP67/IP68
- Cutting: 5LED or 6LED cutting for DC24V version and 3LED Cutting for DC12V version



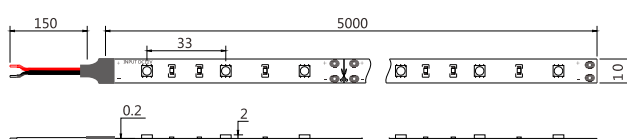
Applications:

- Cove Lighting
- Architectural decorative lighting
- Archway, canopy and bridge Lighting
- Auditorium walkway lighting
- Backlighting for signage letters
- Channel letter lighting

Connections:

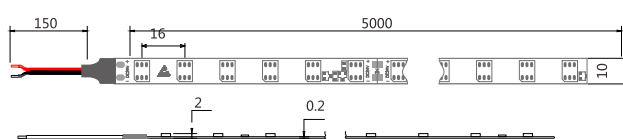


Dimension Drawings:



30LED/m CV version

Unit:mm



60LED/m CC version

Unit:mm

Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	CRI(Ra)	PCB Width	Water-proof	Color	(CT:K)	Lumen (lm/m)
QL-F5050X30SA-W-24C-OS	SMD5050	CC Version	60	14.4W	24V	≥ 90	10mm	IP20 IP54 IP67 IP68	□ Warm White	2700/3000K	900-1000
QL-F5050X30SA-N-24C-OS									□ Nature White	4000-4500K	1000-1100
QL-F5050X30SA-P-24C-OS									□ Pure White	6000-6500K	1100-1200
QL-F5050X30SA-W-12/24-OS									□ Warm White	2700/3000K	900-1000
QL-F5050X30SA-N-12/24-OS	SMD5050	CV Version	60	14.4W	12V/24V	≥ 90	10mm	IP20 IP54 IP67 IP68	□ Nature White	4000-4500K	1000-1100
QL-F5050X30SA-P-12/24-OS									□ Pure White	6000-6500K	1100-1200
QL-F5050X15SA-W-12/24-OS			30	7.2W	12V/24V	≥ 90	10mm	IP20 IP54 IP67 IP68	□ Warm White	2700/3000K	500-540
QL-F5050X15SA-N-12/24-OS									□ Nature White	4000-4500K	540-570
QL-F5050X15SA-P-12/24-OS									□ Pure White	6000-6500K	570-600

Remark: X stands for waterproof version, A stands for IP20 version, B and S stands for IP54 version, C stands for IP67 version and D stands for IP68 version

CC means Constant Current version, CV means Constant Voltage version.



CRI≥90 SMD2016 LED Strips

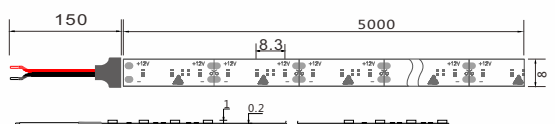
- Ra+90
- CC/CV Version



Features:

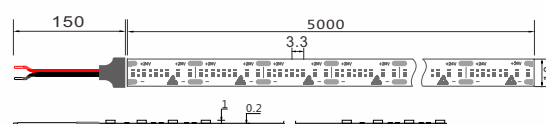
- LED: CRI≥90 SMD2016
- Constant Voltage and Constant Current Version
- LED Qty: 480LED/m, 300LED/m, 240LED/m, 180LED/m, 120LED/m, 60LED/m
- Power: 38.4W/m, 24W/m, 19.2W/m, 14.4W/m, 9.6W/m, 4.8W/m
- Voltage: DC12V, DC24V
- Color: Warm White, Nature White, Pure White
- Waterproof: IP20, IP67
- Single-Line Cutting: 6LED for DC24V version, and 3LED for DC12V version

Dimension Drawings:



120LED/m Strips

Unit:mm



300LED/m Strips

Unit:mm

Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	CRI(Ra)	PCB Width	Water-proof	Color	λ (Nm)/(CT:K)	lumen (lm/m)
QL-F2016X30SA-W-12/24	SMD2016	CV Version	60	4.8W	12V/24V	≥90	8mm	IP20 IP67	□ Warm White	2200/2700K 3000/3500K	340-360
QL-F2016X30SA-N-12/24									□ Nature White	4000/5000K	370-390
QL-F2016X30SA-P-12/24									□ Pure White	6000-6500K	400-420
QL-F2016X60SA-W-12/24	SMD2016	CV Version	120	9.6W	12V/24V	≥90	8mm	IP20 IP67	□ Warm White	2200/2700K 3000/3500K	680-720
QL-F2016X60SA-N-12/24									□ Nature White	4000/5000K	740-780
QL-F2016X60SA-P-12/24									□ Pure White	6000-6500K	800-840
QL-F2016X90SA-W-12/24	SMD2016	CV Version	180	14.4W	12V/24V	≥90	8mm	IP20 IP67	□ Warm White	2200/2700K 3000/3500K	1000-1100
QL-F2016X90SA-N-12/24									□ Nature White	4000/5000K	1100-1200
QL-F2016X90SA-P-12/24									□ Pure White	6000-6500K	1200-1300
QL-F2016X120SA-W-12/24	SMD2016	CV Version	240	19.2W	12/24V	≥90	10mm	IP20 IP67	□ Warm White	2200/2700K 3000/3500K	1350-1450
QL-F2016X120SA-N-12/24									□ Nature White	4000/5000K	1500-1600
QL-F2016X120SA-P-12/24									□ Pure White	6000-6500K	1600-1700
QL-F2016X150SA-W-12/24	SMD2016	CV Version	300	24W	12/24V	≥90	10mm	IP20	□ Warm White	2200/2700K 3000/3500K	1700-1800
QL-F2016X150SA-N-12/24									□ Nature White	4000/5000K	1850-1950
QL-F2016X150SA-P-12/24									□ Pure White	6000-6500K	2000-2100
QL-F2016X240SA-W-24	SMD2016 Two-Row	CV Version	480	38.4W	24V	≥90	15mm	IP20	□ Warm White	2200/2700K 3000/3500K	2700-2800
QL-F2016X240SA-N-24									□ Nature White	4000/5000K	2900-3000
QL-F2016X240SA-P-24									□ Pure White	6000-6500K	3200-3400
QL-F2016X30SA-W-12/24-4	SMD2016	CV Version	60	4.8W	12V/24V	≥90	4mm	IP20	□ Warm White	2200/2700K 3000/3500K	340-360
QL-F2016X30SA-N-12/24-4									□ Nature White	4000/5000K	370-390
QL-F2016X30SA-P-12/24-4									□ Pure White	6000-6500K	400-420
QL-F2016X60SA-W-12/24-4	SMD2016	CV Version	120	9.6W	12V/24V	≥90	4mm	IP20	□ Warm White	2200/2700K 3000/3500K	680-720
QL-F2016X60SA-N-12/24-4									□ Nature White	4000/5000K	740-780
QL-F2016X60SA-P-12/24-4									□ Pure White	6000-6500K	800-840
QL-F2016X90SA-W-12/24-4	SMD2016	CV Version	180	14.4W	12V/24V	≥90	4mm	IP20	□ Warm White	2200/2700K 3000/3500K	1000-1100
QL-F2016X90SA-N-12/24-4									□ Nature White	4000/5000K	1100-1200
QL-F2016X90SA-P-24-4									□ Pure White	6000-6500K	1200-1300
QL-F2016X30SA-W-24C	SMD2016	With IC CC Version	60	4.8W	24V	≥90	10mm	IP20 IP67	□ Warm White	2200/2700K 3000/3500K	340-360
QL-F2016X30SA-N-24C									□ Nature White	4000/5000K	370-390
QL-F2016X30SA-P-24C									□ Pure White	6000-6500K	400-420
QL-F2016X60SA-W-24C	SMD2016	With IC CC Version	120	9.6W	24V	≥90	10mm	IP20 IP67	□ Warm White	2200/2700K 3000/3500K	680-720
QL-F2016X60SA-N-24C									□ Nature White	4000/5000K	740-780
QL-F2016X60SA-P-24C									□ Pure White	6000-6500K	800-840
QL-F2016X120TSA-H-12/24	SMD2016	CV Version	240	19.2W	12V/24V	≥90	10mm	IP20 IP67	□ □ Dual White	2500-6000K	1500-1600
QL-F2016X240TSA-H-12/24	SMD2016 Two-Row	CV Version	480	38.4W	12/24V	≥90	12mm	IP20	□ □ Dual White	2500-6000K	3000-3200



SAMSUNG SMD5630 LED Strips



Specifications:

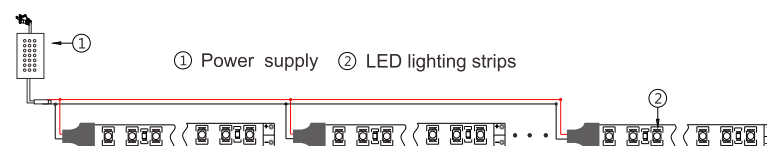
- SAMSUNG LED G2/LM561B
- LED: SMD5630
- Constant current version and constant voltage version
- LED Quantity: 60LED/m, 70LED/m, 126LED/m
- Power: 14.4W/m, 15W/m, 22W/m
- Voltage: DC12V, DC24V
- Color: Warm White, Nature White, Pure White
- Waterproof: IP20, IP67
- Cutting: 7LED or 6LED cutting for DC24V version and 3LED for cutting DV12V version



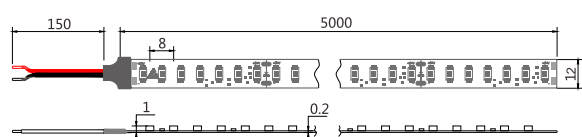
Applications:

- Cove Lighting
- Architectural decorative lighting
- Archway, canopy and bridge Lighting
- Auditorium walkway lighting
- Backlighting for signage letters
- Channel letter lighting

Connections:

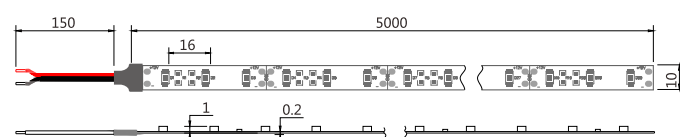


Dimension Drawings:



126LED/m CC Strips

Unit:mm



60LED/m CV Strips

Unit:mm

Model No.	LED/IC Brand	LED Type	LED Qty	Power (W/m)	Voltage	CC/CV	Light Efficiency	CRI (Ra)	PCB Width	Water-proof	Color	Lumen (lm/m)
QL-F5630X35-W-24C-SG2		SMD5630	70	15W	24V	CC Version	130lm/W	≥80	10mm	IP20 IP67	Warm White	1700-1800
QL-F5630X35-N-24C-SG2											Nature White	1800-1900
QL-F5630X35-P-24C-SG2											Pure White	1900-2000
QL-F5630X63-W-24C-SG2		SMD5630	126	22W	24V	CC Version	130lm/W	≥80	12mm	IP20 IP67	Warm White	2500-2600
QL-F5630X63-N-24C-SG2											Nature White	2600-2700
QL-F5630X63-P-24C-SG2											Pure White	2700-2800
QL-F5630X30-W-12C-SG2		SMD5630	60	14.4W	12V	CC Version	110lm/W	≥80	10mm	IP20 IP67	Warm White	1400-1500
QL-F5630X30-N-12C-SG2											Nature White	1500-1600
QL-F5630X30-P-12C-SG2											Pure White	1600-1700
QL-F5630X30-W-12/24-SG2		SMD5630	60	14.4W	12V/24V	CV Version	110lm/W	≥80	10mm	IP20 IP67	Warm White	1400-1500
QL-F5630X30-N-12/24-SG2											Nature White	1500-1600
QL-F5630X30-P-12/24-SG2											Pure White	1600-1700

Remark: X stands for waterproof version, A stands for non-waterproof version, C stands for IP67 waterproof version.

CT/K: Warm White: 2700K, 3000K, Nature White: 4000K, Pure White: 6000K

CC means constant current version, CV means Constant Voltage Version



CRI≥95 SMD5630 LED Strips

- Ra+95
- CC/CV Version



Features:

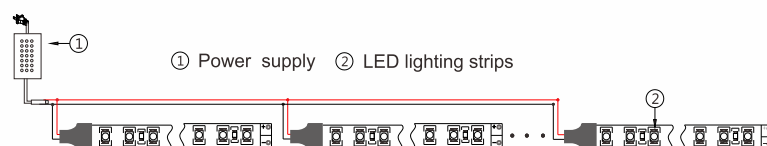
- LED: CRI≥95 SMD5630
- Constant Current and Constant Voltage Version
- LED Qty: 126LED/m, 70LED/m, 60LED/m
- Power: 22W/m, 15W/m, 14.4W/m
- Voltage: DC24V and DC12V
- Color: Warm White, Nature White, Pure White
- Waterproof: IP20, IP67
- Cutting: 7LED or 6LED cutting for DC24V version and 3LED for cutting DV12V version



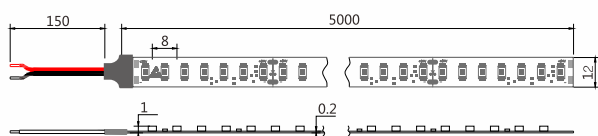
Applications:

- Cove Lighting
- Architectural decorative lighting
- Archway, canopy and bridge Lighting
- Auditorium walkway lighting
- Backlighting for signage letters
- Channel letter lighting

Connections:

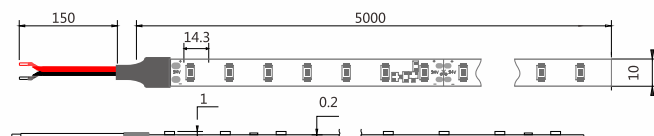


Dimension Drawings:



126LED/m CC Strips

Unit:mm



70LED/m CC Strips

Unit:mm

Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	Light Efficiency	CRI(Ra)	PCB Width	Water-proof	Color	(CT:K)	Lumen (lm/m)
QL-F5630X63SA-W-24C-95	SMD5630	CC Version	126	22W	24V	100lm/W	≥95	12mm	IP20 IP67	WarmWhite	2700/3000K	1800-1900
QL-F5630X63SA-N-24C-95										NatureWhite	4000-4500K	2000-2100
QL-F5630X63SA-P-24C-95										Pure White	6000-6500K	2100-2200
QL-F5630X35SA-W-24C-95	SMD5630	CC Version	70	15W	24V	100lm/W	≥95	10mm	IP20 IP67	WarmWhite	2700/3000K	1350-1400
QL-F5630X35SA-N-24C-95										NatureWhite	4000-4500K	1450-1500
QL-F5630X35SA-P-24C-95										Pure White	6000-6500K	1500-1600
QL-F5630X30SA-W-12C-95	SMD5630	CC Version	60	14.4W	12V	100lm/W	≥95	10mm	IP20 IP67	WarmWhite	2700/3000K	1150-1200
QL-F5630X30SA-N-12C-95										NatureWhite	4000-4500K	1250-1300
QL-F5630X30SA-P-12C-95										Pure White	6000-6500K	1300-1400
QL-F5630X30SA-W-12/24-95	SMD5630	CV Version	60	14.4W	12V/24V	100lm/W	≥95	10mm	IP20 IP67	WarmWhite	2700/3000K	1150-1200
QL-F5630X30SA-N-12/24-95										NatureWhite	4000-4500K	1250-1300
QL-F5630X30SA-P-12/24-95										Pure White	6000-6500K	1300-1400

Remark: X stands for waterproof version, A stands for IP20 non-waterproof version, C stands for IP67 waterproof version.
CC means Constant Current version, CV means Constant Voltage version.



CRI≥95 SMD3528 LED Strips

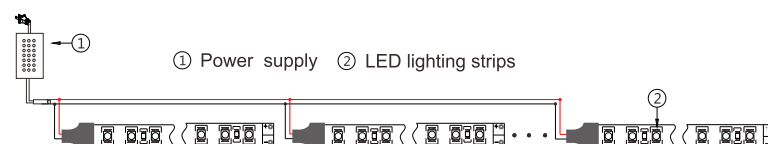
- Ra+95
- CC/CV Version



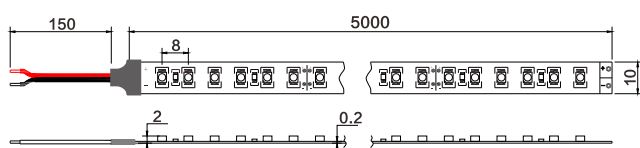
Features:

- LED: CRI≥95 SMD3528
- Constant Current and Constant Voltage Version
- LED Qty: 240LED/m, 228LED/m, 180LED/m, 120LED/m, 78LED/m, 60LED/m
- Power: 19.2W/m, 18W/m, 14.4W/m, 9.4W/m, 7.2W/m
- Voltage: DC24V and DC12V
- Color: Warm White, Nature White, Pure White
- Waterproof: IP20/IP54/IP67/IP68
- Cutting: 6LED cutting for DC24V version and 3 LED cutting for DC12V version

Connections:

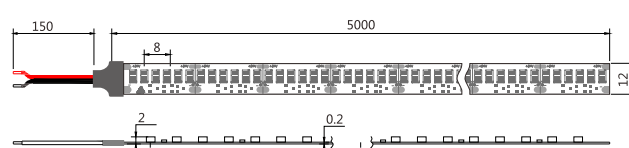


Dimension Drawings:



120LED/m CV Strips

Unit:mm



228LED/m CC Strips

Unit:mm

Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	CRI(Ra)	PCB Width	Water-proof	Color	(CT:K)	Lumen (lm/m)
QL-F3528X114SA-W-24C-95	SMD3528	CC Version	228	18W	24V	≥95	12mm	IP20	□ Warm White	2700/3000K	1400-1500
QL-F3528X114SA-N-24C-95									□ Nature White	4000-4500K	1500-1600
QL-F3528X114SA-P-24C-95									□ Pure White	6000-6500K	1600-1700
QL-F3528X60SA-W-24C-95	SMD3528	CC Version	120	14.4W	24V	≥95	10mm	IP20-IP68	□ Warm White	2700/3000K	1000-1100
QL-F3528X60SA-N-24C-95									□ Nature White	4000-4500K	1100-1200
QL-F3528X60SA-P-24C-95									□ Pure White	6000-6500K	1200-1300
QL-F3528X30SA-W-24C-95	SMD3528	CC Version	60	7.2W	24V	≥95	10mm	IP20-IP68	□ Warm White	2700/3000K	500-550
QL-F3528X30SA-N-24C-95									□ Nature White	4000-4500K	550-600
QL-F3528X30SA-P-24C-95									□ Pure White	6000-6500K	600-660
QL-F3528A120SAL-W-24-S195	SMD3528	CV Version	240	19.2W	24V	≥95	10mm	IP20	□ Warm White	2700/3000K	1600-1700
QL-F3528A120SAL-N-24-S195									□ Nature White	4000-4500K	1700-1800
QL-F3528A120SAL-P-24-S195									□ Pure White	6000-6500K	1800-1900
QL-F3528A90SAL-W-24-95	SMD3528	CV Version	180	14.4W	24V	≥95	10mm	IP20	□ Warm White	2700/3000K	1000-1100
QL-F3528A90SAL-N-24-95									□ Nature White	4000-4500K	1100-1200
QL-F3528A90SAL-P-24-95									□ Pure White	6000-6500K	1200-1300
QL-F3528X60SA-W-12/24-95	SMD3528	CV Version	120	14.4W	12V/24V	≥95	10mm	IP20-IP68	□ Warm White	2700/3000K	1000-1100
QL-F3528X60SA-N-12/24-95									□ Nature White	4000-4500K	1100-1200
QL-F3528X60SA-P-12/24-95									□ Pure White	6000-6500K	1200-1300
QL-F3528X39SA-W-12/24-95	SMD3528	CV Version	78	9.4W	12V/24V	≥95	8mm	IP20-IP68	□ Warm White	2700/3000K	750-800
QL-F3528X39SA-N-12/24-95									□ Nature White	4000-4500K	800-850
QL-F3528X39SA-P-12/24-95									□ Pure White	6000-6500K	850-880
QL-F3528X30SA-W-12/24-95	SMD3528	CV Version	60	7.2W	12V/24V	≥95	8mm	IP20-IP68	□ Warm White	2700/3000K	500-550
QL-F3528X30SA-N-12/24-95									□ Nature White	4000-4500K	550-600
QL-F3528X30SA-P-12/24-95									□ Pure White	6000-6500K	600-660

Remark: X stands for waterproof version, A stands for IP20 version, B and S stands for IP54 version, C stands for IP67 version and D stands for IP68 version

CC means Constant Current version, CV means Constant Voltage version.



CRI≥90 SMD3528 LED Strips

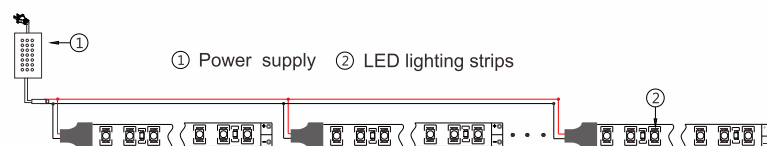
- Ra+90
- CC/CV Version



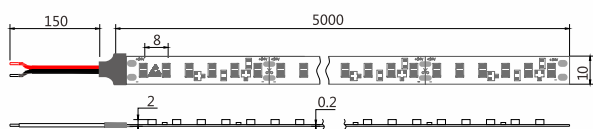
Features:

- LED: CRI≥90 SMD3528
- Constant Current and Constant Voltage Version
- LED Qty: 240LED/m, 228LED/m, 180LED/m, 120LED/m, 78LED/m, 60LED/m
- Power: 19.2W/m, 18W/m, 14.4W/m, 9.4W/m, 7.2W/m
- Voltage: DC24V and DC12V
- Color: Warm White, Nature White, Pure White
- Waterproof: IP20/IP54/IP67/IP68
- Cutting: 6LED cutting for DC24V version and 3 LED cutting for DC12V version

Connections:

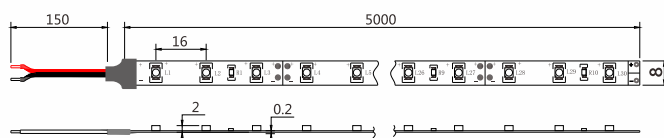


Dimension Drawings:



120LED/m CC Strips

Unit:mm



60LED/m CV Strips

Unit:mm

Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	CRI(Ra)	PCB Width	Water-proof	Color	(CT:K)	Lumen (lm/m)
QL-F3528X114SA-W-24C	SMD3528	CC Version	228	18W	24V	≥90	12mm	IP20	□ Warm White	2700/3000/3500K	1500-1600
QL-F3528X114SA-N-24C									□ Nature White	4000-4500K	1600-1700
QL-F3528X114SA-P-24C									□ Pure White	5000/6000K	1700-1800
QL-F3528X60SA-W-24C	SMD3528	CC Version	120	14.4W	24V	≥90	10mm	IP20-IP68	□ Warm White	2700/3000/3500K	1100-1200
QL-F3528X60SA-N-24C									□ Nature White	4000-4500K	1200-1300
QL-F3528X60SA-P-24C									□ Pure White	5000/6000K	1300-1400
QL-F3528X30SA-W-24C	SMD3528	CC Version	60	7.2W	24V	≥90	10mm	IP20-IP68	□ Warm White	2700/3000/3500K	550-600
QL-F3528X30SA-N-24C									□ Nature White	4000-4500K	600-650
QL-F3528X30SA-P-24C									□ Pure White	5000/6000K	650-700
QL-F3528A120SAL-W-24-S1	SMD3528	CV Version	240	19.2W	24V	≥90	10mm	IP20	□ Warm White	2700/3000/3500K	1700-1800
QL-F3528A120SAL-N-24-S1									□ Nature White	4000-4500K	1600-1700
QL-F3528A120SAL-P-24-S1									□ Pure White	5000/6000K	1900-2000
QL-F3528A90SAL-W-24	SMD3528	CV Version	180	14.4W	24V	≥90	10mm	IP20	□ Warm White	2700/3000/3500K	1100-1200
QL-F3528A90SAL-N-24									□ Nature White	4000-4500K	1200-1300
QL-F3528A90SAL-P-24									□ Pure White	5000/6000K	1300-1400
QL-F3528X60SA-W-12/24	SMD3528	CV Version	120	14.4W	12V/24V	≥90	10mm	IP20-IP68	□ Warm White	2700/3000/3500K	1100-1200
QL-F3528X60SA-N-12/24									□ Nature White	4000-4500K	1200-1300
QL-F3528X60SA-P-12/24									□ Pure White	5000/6000K	1300-1400
QL-F3528X39SA-W-12/24	SMD3528	CV Version	78	9.4W	12V/24V	≥90	8mm	IP20-IP68	□ Warm White	2700/3000/3500K	800-850
QL-F3528X39SA-N-12/24									□ Nature White	4000-4500K	850-880
QL-F3528X39SA-P-12/24									□ Pure White	5000/6000K	880-900
QL-F3528X30SA-W-12/24	SMD3528	CV Version	60	7.2W	12V/24V	≥90	8mm	IP20-IP68	□ Warm White	2700/3000/3500K	550-600
QL-F3528X30SA-N-12/24									□ Nature White	4000-4500K	600-650
QL-F3528X30SA-P-12/24									□ Pure White	5000/6000K	650-700

Remark: X stands for waterproof version, A stands for IP20 version, B and S stands for IP54 version, C stands for IP67 version and D stands for IP68 version
CC means Constant Current version, CV means Constant Voltage version.



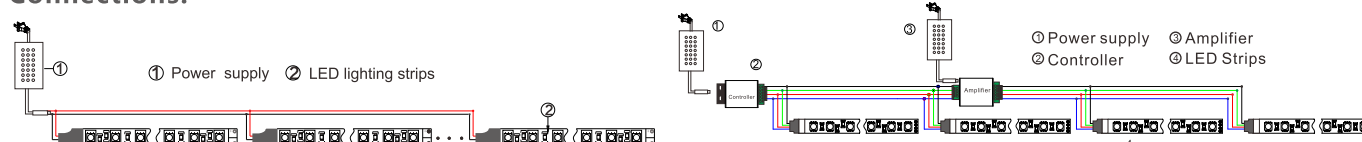
SMD5050 LED Flexible Strips



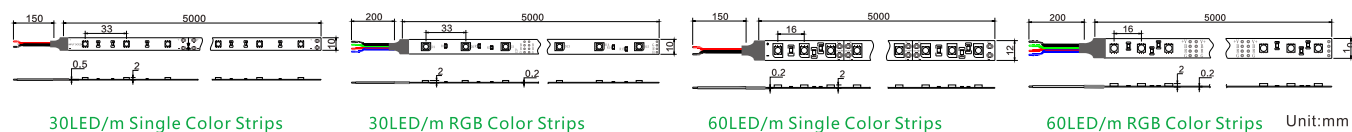
Features:

- LED: SMD5050
- LED Quantity: 30LED/m and 60LED/m
- Power: 7.2W/m and 14.4W/m
- Voltage: DC12V/DC24V
- PCB Width: 10mm
- Color: RGB, Red, Blue, Green, Yellow, Warm White, Nature White, Pure White
- Waterproof: IP20/IP54/IP67/IP68
- Cutting: 3 LED cuttable for DC12V version and 5 or 6 LED cuttable for DC24V version

Connections:



Dimension Drawings:



Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	PCB Width	Water-proof	Color	Lumen (lm/m)
QL-F5050X30-P-24C	SMD5050	CC Version	60	14.4W	24V	10mm	IP20-IP68	□ Pure White	1100-1200
QL-F5050X30-N-24C	SMD5050	CC Version	60	14.4W	24V	10mm	IP20-IP68	□ Nature White	1200-1250
QL-F5050X30-W-24C	SMD5050	CC Version	60	14.4W	24V	10mm	IP20-IP68	□ Warm White	1250-1350
QL-F5050X30-C-24C	SMD5050	CC Version	60	14.4W	24V	12mm	IP20-IP68	■ ■ ■ RGB	550-600
QL-F5050X30-B-24C	SMD5050	CC Version	60	14.4W	24V	10mm	IP20-IP68	■ Blue	300-320
QL-F5050X30-G-24C	SMD5050	CC Version	60	14.4W	24V	10mm	IP20-IP68	■ Green	950-1000
QL-F5050X15-P-12/24	SMD5050	CV Version	30	7.2W	12V/24V	10mm	IP20-IP68	□ Pure White	630-660
QL-F5050X15-N-12/24	SMD5050	CV Version	30	7.2W	12V/24V	10mm	IP20-IP68	□ Nature White	600-630
QL-F5050X15-W-12/24	SMD5050	CV Version	30	7.2W	12V/24V	10mm	IP20-IP68	□ Warm White	550-600
QL-F5050X15-C-12/24	SMD5050	CV Version	30	7.2W	12V/24V	10mm	IP20-IP68	■ ■ ■ RGB	280-300
QL-F5050X15-R-12/24	SMD5050	CV Version	30	7.2W	12V/24V	10mm	IP20-IP68	■ Red	420-450
QL-F5050X15-Y-12/24	SMD5050	CV Version	30	7.2W	12V/24V	10mm	IP20-IP68	■ Yellow	420-450
QL-F5050X15-B-12/24	SMD5050	CV Version	30	7.2W	12V/24V	10mm	IP20-IP68	■ Blue	150-160
QL-F5050X15-G-12/24	SMD5050	CV Version	30	7.2W	12V/24V	10mm	IP20-IP68	■ Green	480-500
QL-F5050X30-P-12/24	SMD5050	CV Version	60	14.4W	12V/24V	10mm	IP20-IP68	□ Pure White	1250-1300
QL-F5050X30-N-12/24	SMD5050	CV Version	60	14.4W	12V/24V	10mm	IP20-IP68	□ Nature White	1200-1250
QL-F5050X30-W-12/24	SMD5050	CV Version	60	14.4W	12V/24V	10mm	IP20-IP68	□ Warm White	1100-1200
QL-F5050X30-C-12/24	SMD5050	CV Version	60	14.4W	12V/24V	10mm	IP20-IP68	■ ■ ■ RGB	550-600
QL-F5050X30-R-12/24	SMD5050	CV Version	60	14.4W	12V/24V	10mm	IP20-IP68	■ Red	420-450
QL-F5050X30-Y-12/24	SMD5050	CV Version	60	14.4W	12V/24V	10mm	IP20-IP68	■ Yellow	420-450
QL-F5050X30-B-12/24	SMD5050	CV Version	60	14.4W	12V/24V	10mm	IP20-IP68	■ Blue	300-320
QL-F5050X30-G-12/24	SMD5050	CV Version	60	14.4W	12V/24V	10mm	IP20-IP68	■ Green	950-1000

Remark: X stands for waterproof version, A stands for non-waterproof version, B and S stands for IP54 waterproof version
C stands for IP67 waterproof version, D stands for IP68 waterproof version
CC means constant current version, CV means Constant Voltage Version



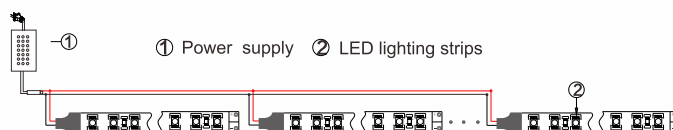
SMD3528 LED Flexible Strips



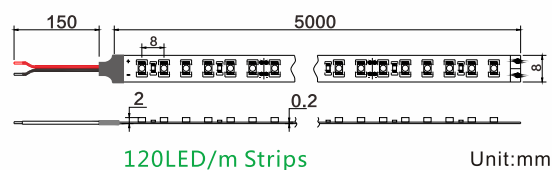
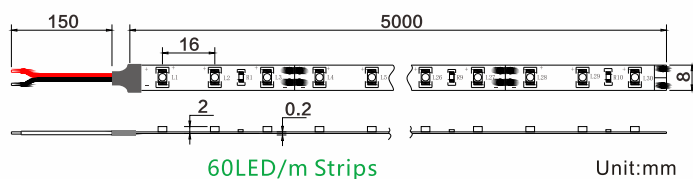
Features:

- LED: SMD3528
- LED Quantity: 60LED/m and 120LED/m
- Power: 4.8W/m and 9.6W/m
- Voltage: DC12V/DC24V
- PCB Width: 8mm, 10mm
- Color: Red, Blue, Green, Yellow, Warm White, Nature White, Pure White
- Waterproof: IP20/IP54/IP67/IP68
- Cutting: 3 LED cuttable for DC12V version and 6 LED cuttable for DC24V version

Connections:



Dimension Drawings:



Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	PCB Width	Water-proof	Color	(CT:K)	Lumen (lm/m)
QL-F3528X30-P-24C	3528	CC Version	60	4.8W	24V	10mm	IP20-IP68	Pure White	6000-7000K	450-480
QL-F3528X30-N-24C	3528	CC Version	60	4.8W	24V	10mm	IP20-IP68	Nature White	4000-4500K	420-450
QL-F3528X30-W-24C	3528	CC Version	60	4.8W	24V	10mm	IP20-IP68	Warm White	2200/2700/3000K	360-420
QL-F3528X30-B-24C	3528	CC Version	60	4.8W	24V	10mm	IP20-IP68	Blue	620-630	100-110
QL-F3528X30-G-24C	3528	CC Version	60	4.8W	24V	10mm	IP20-IP68	Green	585-595	300-330
QL-F3528X60-P-24C	3528	CC Version	120	9.6W	24V	10mm	IP20-IP68	Pure White	455-470	900-950
QL-F3528X60-N-24C	3528	CC Version	120	9.6W	24V	10mm	IP20-IP68	Nature White	510-525	850-900
QL-F3528X60-W-24C	3528	CC Version	120	9.6W	24V	10mm	IP20-IP68	Warm White	6000-7000K	750-850
QL-F3528X60-B-24C	3528	CC Version	120	9.6W	24V	10mm	IP20-IP68	Blue	620-630	200-220
QL-F3528X60-G-24C	3528	CC Version	120	9.6W	24V	10mm	IP20-IP68	Green	585-595	600-660
QL-F3528X30-P-12/24	3528	CV Version	60	4.8W	12V/24V	8mm	IP20-IP68	Pure White	6000-7000K	450-480
QL-F3528X30-N-12/24	3528	CV Version	60	4.8W	12V/24V	8mm	IP20-IP68	Nature White	4000-4500K	420-450
QL-F3528X30-W-12/24	3528	CV Version	60	4.8W	12V/24V	8mm	IP20-IP68	Warm White	2200/2700/3000K	360-420
QL-F3528X30-R-12/24	3528	CV Version	60	4.8W	12V/24V	8mm	IP20-IP68	Red	620-630	130-150
QL-F3528X30-Y-12/24	3528	CV Version	60	4.8W	12V/24V	8mm	IP20-IP68	Yellow	585-595	130-150
QL-F3528X30-B-12/24	3528	CV Version	60	4.8W	12V/24V	8mm	IP20-IP68	Blue	455-470	100-110
QL-F3528X30-G-12/24	3528	CV Version	60	4.8W	12V/24V	8mm	IP20-IP68	Green	510-525	300-330
QL-F3528X60-P-12/24	3528	CV Version	120	9.6W	12V/24V	8mm	IP20-IP68	Pure White	6000-7000K	900-950
QL-F3528X60-N-12/24	3528	CV Version	120	9.6W	12V/24V	8mm	IP20-IP68	Nature White	4000-4500K	850-900
QL-F3528X60-W-12/24	3528	CV Version	120	9.6W	12V/24V	8mm	IP20-IP68	Warm White	2200/2700/3000K	750-850
QL-F3528X60-R-12/24	3528	CV Version	120	9.6W	12V/24V	8mm	IP20-IP68	Red	620-630	260-300
QL-F3528X60-Y-12/24	3528	CV Version	120	9.6W	12V/24V	8mm	IP20-IP68	Yellow	585-595	260-300
QL-F3528X60-B-12/24	3528	CV Version	120	9.6W	12V/24V	8mm	IP20-IP68	Blue	455-470	200-220
QL-F3528X60-G-12/24	3528	CV Version	120	9.6W	12V/24V	8mm	IP20-IP68	Green	510-525	600-660

Remark: X stands for waterproof version, A stands for non-waterproof version, B and S stands for IP54 waterproof version
C stands for IP67 waterproof version, D stands for IP68 waterproof version
CC means constant current version, CV means Constant Voltage Version



160 Degree LED Flexible Strips

160 Degree



Features:

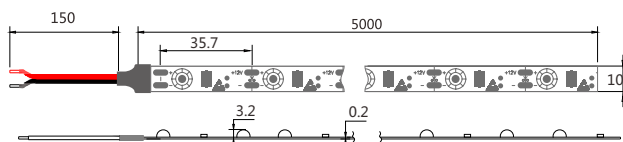
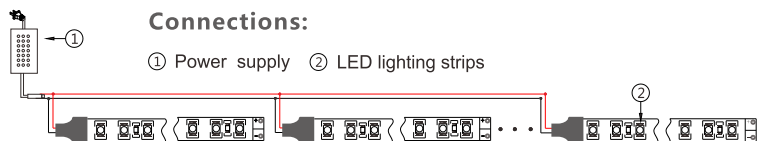
- LED: 160 Degree LED
- Power: 16.5W/m
- Voltage: DC24V
- Color: Warm White, Nature White, Pure White
- Waterproof: IP20
- Cutting: 1LED cut for DC12V, 2LED Cut for DC24V
- 160 degree light angle will bring super color uniform



Applications:

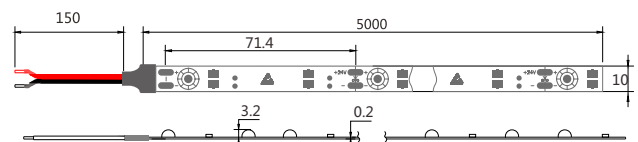
- Cove Lighting
- Architectural decorative lighting
- Archway, canopy and bridge edge lighting
- Auditorium walkway lighting
- Backlighting for signage letters
- Channel letter lighting

Connections:



DC12V Version

Unit:mm



DC24V Version

Unit:mm

Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	PCB Width	Cutting (mm)	Water-proof	Color	λ (Nm)/(CT:K)	lumen (lm/m)
QL-F5050A14-W-12-160	160 Degree LED	CV Version	28	16.5W	12V	10mm	35.7	IP20	□ Warm White	3000-3500K	1450-1500
QL-F5050A14-N-12-160									□ Nature White	4000-4500K	1500-1550
QL-F5050A14-P-12-160									□ Pure White	6000-6500K	1550-1600
QL-F5050A14-W-24-160	160 Degree LED	CV Version	28	16.5W	24V	10mm	71.42	IP20	□ Warm White	3000-3500K	1450-1500
QL-F5050A14-N-24-160									□ Nature White	4000-4500K	1500-1550
QL-F5050A14-P-24-160									□ Pure White	6000-6500K	1550-1600



2835 RGB LED Flexible Strips



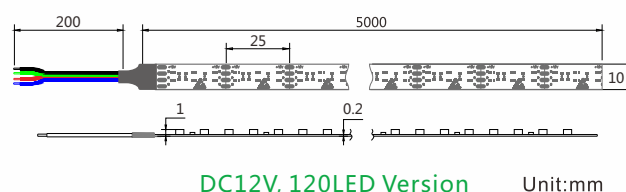
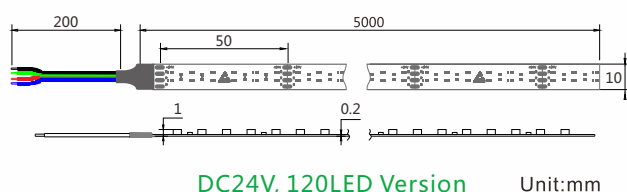
Features:

- LED: SMD2835
- Power: 17W/m, 8.5W/m
- Voltage: DC12V, DC24V
- Color: RGB Color
- Waterproof: IP20, IP67
- Cutting: 6LED cutting for DC24V version, 3LED cutting for DC12V version



Applications:

- Cove Lighting
- Architectural decorative lighting
- Archway, canopy and bridge edge lighting
- Auditorium walkway lighting
- Backlighting for signage letters
- Channel letter lighting



Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Cutting	Voltage	PCB Width	Water-proof	Color	λ (Nm)/(CT:K)	lumen (lm/m)
QL-F2835X30-C-24-6	2835	CV Version	60	8.5W/m	100mm	24V	6mm	IP20		620-630	75-78
QL-F2835X30-C-24-8					100mm	24V	8mm	IP67		510-525	245-252
QL-F2835X30-C-12-8					50mm	12V	8mm			620-630	55-60
QL-F2835X60-C-24-6	2835	CV Version	120	17W/m	50mm	24V	6mm	IP20		620-630	150-156
QL-F2835X60-C-24-10					50mm	24V	10mm	IP67		510-525	490-504
QL-F2835X60-C-12-10					25mm	12V	10mm			620-630	110-120

Remark: X stands for waterproof version, A stands for IP20 version, B and S stands for IP54 version, C stands for IP67 version and D stands for IP68 version
CC means Constant Current version, CV means Constant Voltage version.



SMD3535 RGB LED Strips

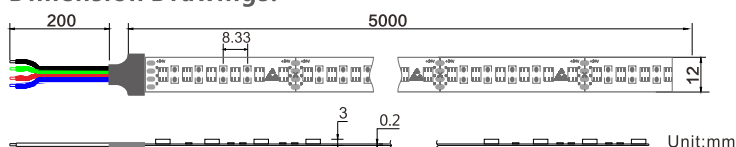
- Super RGB
- 120 LED/m



Features:

- SMD3535
- Constant Voltage Version
- LED Qty: 120LED/m
- Power: 28.8W/m
- Voltage: DC24V
- Color: RGB
- Waterproof: IP20 non-waterproof version
- Cutting: 6LED cutting for DC24V version

Dimension Drawings:



Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	PCB Width	Water-proof	Color	λ (Nm)/ (CT:K)	Lumen (lm/m)
QL-F3535A60-C-24	SMD3535	CV Version	120	28.8W	24V	12mm	IP20	RGB	620-630 510-525 455-470	300-320 750-780 200-220

Remark: CC means Constant Current version, CV means Constant Voltage version.

SMD335 Side View LED Strips

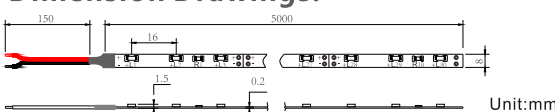
- Side-View



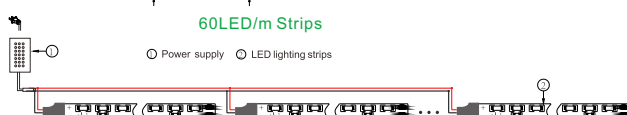
Features:

- LED: SMD335
- LED Quantity: 60LED/m, 120LED/m
- Power: 4.8W/m, 9.6W/m
- Voltage: DC12V, DC24V
- PCB Width: 8mm
- Color: Red, Blue, Green, Yellow, Warm White, Nature White, Pure White
- Waterproof: IP20, IP67
- Cutting: 3 LED cuttable for DC12V version, 6 LED cuttable for DC24V version

Dimension Drawings:



Connections:



Model No.	LED Type	CC/CV	LEDQty	Power (W/m)	Voltage	PCBWidth	Water-proof	Color	λ (Nm)/ (CT:K)	Lumen (lm/m)
QL-F335X30-R-12/24	335	CV Version	60	4.8W	12V/24V	8mm	IP20/IP67	Red	620-630	110-120
QL-F335X30-Y-12/24	335	CV Version	60	4.8W	12V/24V	8mm	IP20/IP67	Yellow	585-595	110-120
QL-F335X30-B-12/24	335	CV Version	60	4.8W	12V/24V	8mm	IP20/IP67	Blue	460-470	90-100
QL-F335X30-G-12/24	335	CV Version	60	4.8W	12V/24V	8mm	IP20/IP67	Green	520-525	240-300
QL-F335X30-P-12/24	335	CV Version	60	4.8W	12V/24V	8mm	IP20/IP67	Pure White	6000-7000K	400-450
QL-F335X30-N-12/24	335	CV Version	60	4.8W	12V/24V	8mm	IP20/IP67	Nature White	4000-4500K	350-400
QL-F335X30-W-12/24	335	CV Version	60	4.8W	12V/24V	8mm	IP20/IP67	Warm White	3000-3500K	300-350
QL-F335X60-R-12/24	335	CV Version	120	9.6W	12V/24V	8mm	IP20/IP67	Red	620-630	220-240
QL-F335X60-Y-12/24	335	CV Version	120	9.6W	12V/24V	8mm	IP20/IP67	Yellow	585-595	220-240
QL-F335X60-B-12/24	335	CV Version	120	9.6W	12V/24V	8mm	IP20/IP67	Blue	460-470	180-200
QL-F335X60-G-12/24	335	CV Version	120	9.6W	12V/24V	8mm	IP20/IP67	Green	520-525	480-600
QL-F335X60-P-12/24	335	CV Version	120	9.6W	12V/24V	8mm	IP20/IP67	Pure White	6000-7000K	800-850
QL-F335X60-N-12/24	335	CV Version	120	9.6W	12V/24V	8mm	IP20/IP67	Nature White	4000-4500K	750-800
QL-F335X60-W-12/24	335	CV Version	120	9.6W	12V/24V	8mm	IP20/IP67	Warm White	3000-3500K	700-750



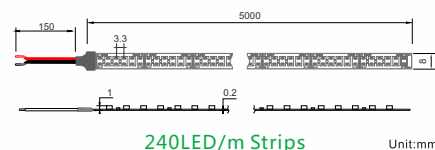
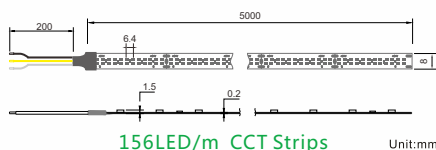
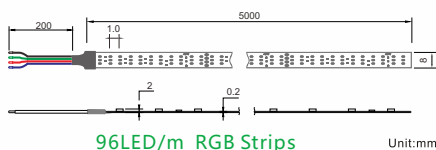
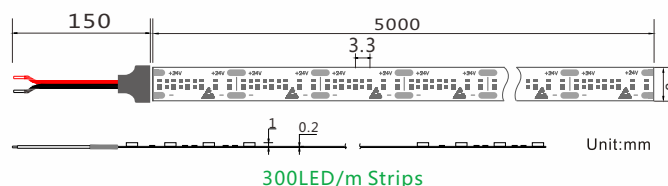
Spot-Free LED Flexible Strips



Features:

- LED: SMD5050, SMD2216 & SMD3528
- Constant Voltage Version
- LED Qty: 96LED/m, 300LED/m, 156LED/m, 240LED/m
- Power: 12W/m, 23W/m, 20W/m
- Voltage: DC24V
- Color: CCT-Adj, RGB, White, Red, Green, Blue, Yellow
- Waterproof: IP67
- Cutting: 6LED cutting for DC24V Version
- Spot-Free Version, Perfect Color and Brightness Uniform

Dimension Drawings:



Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	CRI	PCB Width	Waterproof	Color	λ (Nm)/(CT:K)	lumen (lm/m)
CCT Adj & RGB Series											
QL-F3528C78T-HA-24-M	SMD3528	CV Version	156LED/m	23W	24V	≥90	8mm	IP67	☐☐☐CCT	2400-5000K	1400-1500
QL-F5050C48-C-24-M	SMD5050	CV Version	96LED/m	20W	24V	/	8mm	IP67	RGB	620-630 520-525 455-470	130-140 450-500 100-110
SMD2216 Series											
QL-F2216C150SA-W-24-M	SMD2216	CV Version	300LED/m	12W	24V	≥90	8mm	IP67	☐ Warm White	2500-2600K	500-600
QL-F2216C150SA-N-24-M									☐ Nature White	3400-3500K	600-650
QL-F2216C150SA-P-24-M									☐ Pure White	5000-5200K	650-700
SMD3528 Series											
QL-F3528C120SAL-W-24-MS195	SMD3528	CV Version	240LED/m	12W	24V	≥95	8mm	IP67	☐ Warm White	2400/2700K	800-900
QL-F3528C120SAL-N-24-MS195									☐ Nature White	3500-3600K	900-1000
QL-F3528C120SAL-P-24-MS195									☐ Pure White	5200-5500K	1000-1050
QL-F3528C120SAL-W-24-MS1	SMD3528	CV Version	240LED/m	12W	24V	≥90	8mm	IP67	☐ Warm White	2400/2700K	850-950
QL-F3528C120SAL-N-24-MS1									☐ Nature White	3500-3600K	950-1050
QL-F3528C120SAL-P-24-MS1									☐ Pure White	5200-5500K	1050-1150
QL-F3528C120-W-24-MS1	SMD3528	CV Version	240LED/m	12W	24V	≥80	8mm	IP67	☐ Warm White	2100/2400/2700K	800-900
QL-F3528C120-N-24-MS1									☐ Nature White	3500-3600K	900-950
QL-F3528C120-P-24-MS1									☐ Pure White	5200-5500K	950-1000
QL-F3528C120-B-24-MS1	SMD3528	CV Version	240LED/m	12W	24V	/	8mm	IP67	Blue	460-470	280-300
QL-F3528C120-G-24-MS1									Green	520-525	700-750
QL-F3528C120-R-24-MS1									Red	620-630	350-370
QL-F3528C120-Y-24-MS1									Yellow	585-595	350-370

Remark: CC means constant current version, CV means constant voltage version

48V SMD3528 LED Flexible Strips

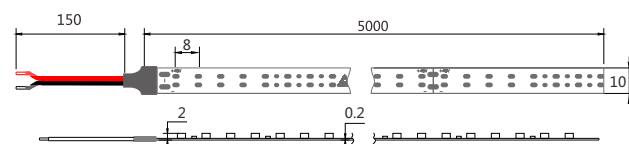
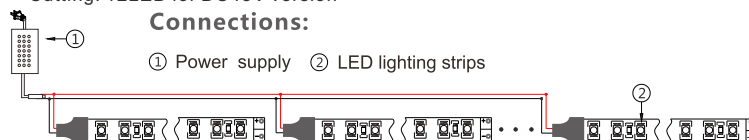
- 48V Strips
- Ra+95/90



Features:

- LED: CRI95 and CRI90 SMD3528 LED
- LED Qty: 120LED/m
- Power: 14.4W/m, 9.6W/m
- Voltage: DC48V
- Color: Warm White, Nature White, Pure White
- Waterproof: IP20, IP54, IP67, IP68
- Cutting: 12LED for DC48V version

Connections:



Unit:mm

Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	CRI(Ra)	PCB Width	Water-proof	Color	λ (Nm)/(CT:K)	lumen (lm/m)
QL-F3528X60SA-W-48-95	3528	CV Version	120	14.4W/m	48V	≥ 95	10mm	IP20 IP54 IP67 IP68	□ Warm White	2700K/3000K	1100-1200
QL-F3528X60SA-N-48-95									□ Nature White	4000K	1200-1250
QL-F3528X60SA-P-48-95									□ Pure White	6000K	1250-1350
QL-F3528X60SAL-W-48	3528	CV Version	120	9.6W/m	48V	≥ 95	10mm	IP20 IP54 IP67 IP68	□ Warm White	2700K/3000K	800-850
QL-F3528X60SAL-N-48									□ Nature White	4000K	850-900
QL-F3528X60SAL-P-48									□ Pure White	6000K	900-1000

48V SMD2835 LED Flexible Strips

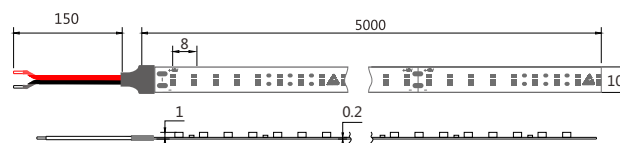
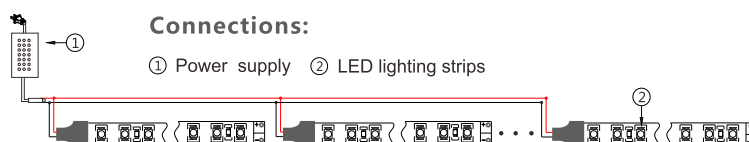
- 48V Strips
- Ra+95/90



Features:

- LED: CRI95 and CRI90 SMD2835 LED
- LED Qty: 120LED/m
- Power: 19.2W/m
- Voltage: DC48V
- Color: Warm White, Nature White, Pure White
- Waterproof: IP20, IP67
- Cutting: 12LED cutting for DC48V version

Connections:

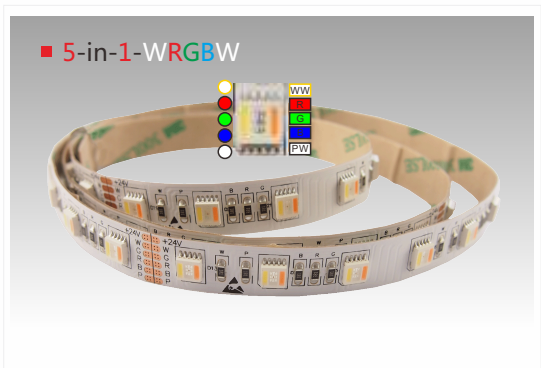


Unit:mm

Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	CRI(Ra)	PCB Width	Water-proof	Color	λ (Nm)/(CT:K)	lumen (lm/m)
QL-F2835X60SA-W-48-95	2835	CV Version	120	19.2W	48V	≥ 95	10mm	IP20 IP67	□ Warm White	2700K/3000K	1650-1750
QL-F2835X60SA-N-48-95									□ Nature White	4000K	1800-1900
QL-F2835X60SA-P-48-95									□ Pure White	6000K	1900-2000



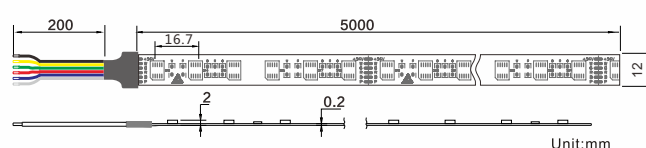
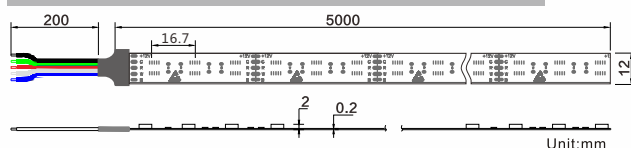
New WRGBW Strips with 5 Chips in One LED



Features:

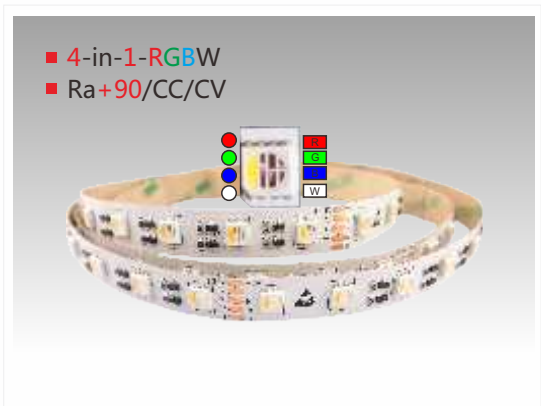
- LED: SMD5050 With Five Chips in One LED
- Constant Voltage Version
- LED Qty: 60LED/m
- Power: 24W/m
- Voltage: DC24V
- Color: RGB+Pure White +Warm White
- Waterproof: IP20, IP67
- Cutting: 3 LED cutting for DC12V Version, 6 LED cutting for DC24V Version

Dimension Drawings:



Model No.	LED Type	CC/CV	LED Qty	Power (W/pcs)	Voltage	PCB Size	Waterproof	Color	lumen (lm/pcs)
QL-F5050X30-WCW-12/24	SMD5050	CV Version	60LED/m	24W	12V/24V	12mm	IP20 IP67	2200K+RGB+2200K 2700K+RGB+2700K 3000K+RGB+3000K	RGB: 530 White: 700-750
QL-F5050X30-NCN-12/24	SMD5050	CV Version	60LED/m	24W	12V/24V	12mm	IP20 IP67	4000K+RGB+4000K	RGB: 530 White: 750-780
QL-F5050X30-PCP-12/24	SMD5050	CV Version	60LED/m	24W	12V/24V	12mm	IP20 IP67	6000K+RGB+6000K	RGB: 530 White: 800-1000
QL-F5050X30-YCY-12/24	SMD5050	CV Version	60LED/m	24W	12V/24V	12mm	IP20 IP67	Amber+RGB+Amber	RGB: 530 Amber: 400-500
QL-F5050X30-WCP-12/24	SMD5050	CV Version	60LED/m	24W	12V/24V	12mm	IP20 IP67	2700K+RGB+6000K	RGB: 530 White: 800-1000

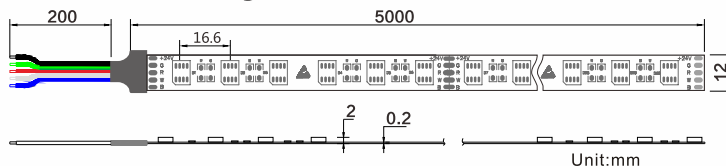
New RGBX Strips with 4 Chips in One LED



Features:

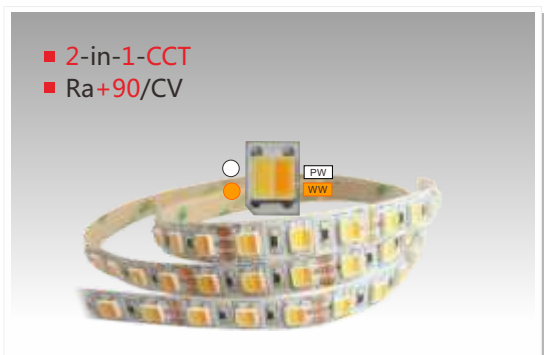
- LED: SMD5050 With Four Chips in One LED
- LED Quantity: 60LED/m, 72LED/m
- Power: 19.2W/m, 23W/m
- Voltage: DC12V, DC24V
- Color: RGB Warm White, RGB Nature White, RGB Pure White, RGB Amber
- Waterproof: IP20, IP67
- Cutting: 3LED cutting for DC12V, 6LED cutting for DC24V

Dimension Drawings:



Model No	LED Type	CC/CV	LED Qty	Power(W/m)	Voltage	PCB Width	Water-proof	Color	Lumen (lm/m)
QL-F5050X30-CP4-12/24	SMD5050	CC&CV Version	60	19.2W	12V/24V	12mm	IP20/IP67	RGB Pure White	880-930
QL-F5050X30-CN4-12/24								RGB Nature White	850-880
QL-F5050X30-CW4-12/24								RGB Warm White	750-850
QL-F5050X30-CY4-12/24								RGB Amber	550-600
QL-F5050X36-CP4-12/24	SMD5050	CV Version	72	23W	12V/24V	12mm	IP20/IP67	RGB Pure White	1080-1120
QL-F5050X36-CN4-12/24								RGB Nature White	1020-1050
QL-F5050X36-CW4-12/24								RGB Warm White	900-1000
QL-F5050X36-CY4-12/24								RGB Amber	690-720
QL-F5050X48-CP4-24	SMD5050	CV Version	96	30W	24V	12mm	IP20/IP67	RGB Pure White	1450-1500
QL-F5050X48-CN4-24								RGB Nature White	1400-1450
QL-F5050X48-CW4-24								RGB Warm White	1350-1400
QL-F5050X48-CY4-24								RGB Amber	900-960

CRI ≥90 Dual White with Two Chips in One LED

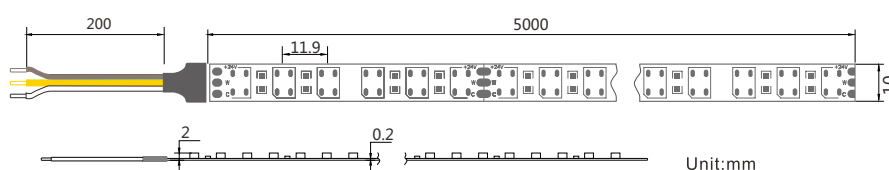


- 2-in-1-CCT
- Ra+90/CV

Features:

- LED: Special SMD5050, with two chips in one LED, one warm white chip, one pure white chip
- Constant Voltage Version
- LED Qty: 84LED/m
- Power: 20W/m
- Voltage: DC12V, DC24V
- PCB Width: 10mm
- Waterproof: IP20, IP67
- Cutting: 6LED for DC24V version, and 3LED for DC12V Version

Dimension Drawings:



Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	PCB Width	Waterproof	λ (Nm)/(CT:K)	lumen (lm/m)
QL-F5050A42T-HA-12/24	SMD5050	CV Version	84LED/m	20W	12V/24V	10mm	IP20/IP67	2500K-6000K	1700-1800
QL-F5050C42T-HA-12/24									

CRI ≥90 Dual White with Two Chips in One LED

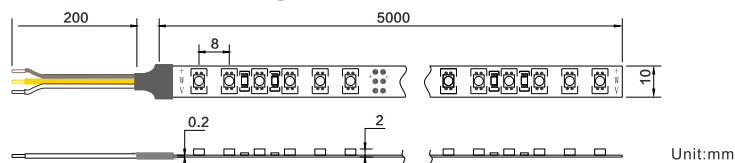


- 2-in-1-CCT
- Ra+90/CC/CV

Features:

- LED: Special SMD3528 with two chips in one LED, one warm white chip, one pure white chip
- LED Quantity: 120LED/m, 60LED/m, 156LED/m
- Power: 23W/m, 19.2W/m, 9.6W/m
- Voltage: DC12V/DC24V
- PCB Width: 10mm
- Waterproof: IP20, IP67
- Cutting: 3 LED cuttable for DC12V version and 6 LED cuttable for DC24V version

Dimension Drawings:



Model No.	LED Type	CRI(Ra)	LED Qty (m)	CC/CV	Work Voltage	Power (W/m)	PCB Width	Waterproof	λ (Nm)/(CT:K)	Luminous Flux (lm/m)
QL-F3528X78T-HA-24	SMD3528 New	≥90	156	CV	24V	23W	8mm	IP20/IP67	2500-6500K	1700-1800
QL-F3528X60T-HA-12/24	SMD3528 New	≥90	120	CV	12V/24V	19.2W	10mm	IP20/IP67	2500-6500K	1300-1400
QL-F3528X30T-HA-24C	SMD3528 New	≥90	60	CC	24V	9.6W	10mm	IP20/IP67	2500-6500K	600-700
QL-F3528X30T-HA-12/24	SMD3528 New	≥90	60	CV	12V/24V	9.6W	10mm	IP20/IP67	2500-6500K	600-700

Remark: CC means constant current version, CV means Constant Voltage Version



2LED Cutting Dual White Strips

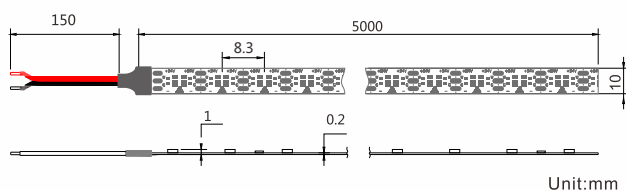
- 2-LED-Cut
- Ra+95
- CV Version



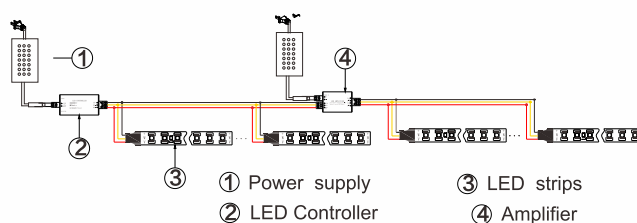
Features:

- LED: CRI≥95 SMD2835
- Constant Voltage Version
- LED Qty: 120LED/m
- Power: 28.8W/m
- Voltage: DC24V
- Color: 2700K-6000K Dual-White color
- Waterproof: IP20, IP67
- Cutting: 2 LED cutting

Dimension Drawings:



Connections:



Model No.	LED Type	CC/CV	LED Qty	Power (W/pcs)	Voltage	CRI(Ra)	PCB Size	Waterproof	λ (Nm)/(CT:K)	lumen (lm/pcs)
QL-F2835A60TSA-H-24-952P	SMD2835	CV Version	120	28.8W	24V	≥95	10mm	IP20	2700-6000K	2450-2500
QL-F2835C60TSA-H-24-952P	SMD2835	CV Version	120	28.8W	24V	≥95	10mm	IP67	2700-6000K	2450-2500

Dual White Strips with Two Separate LED

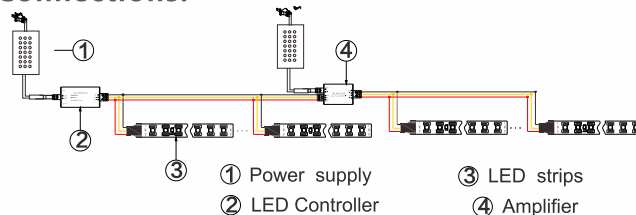
- Ra+90
- CV Version



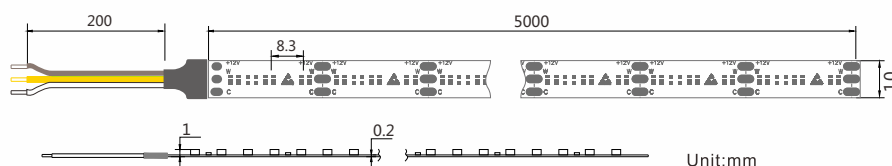
Features:

- LED: CRI≥90 SMD2216
- Constant Voltage Version
- LED Qty: 240LED/m, 480LED/m
- Power: 19.2W/m, 38.4W/m
- Voltage: DC12V, DC24V
- Color: 2500K-6000K Dual-White color
- Waterproof: IP20, IP67
- Single-Line Cutting: 6LED cutting for DC12V version, 12LED cutting for DC24V version.

Connections:



Dimension Drawings:



Model No.	LED Type	CC/CV	LED Qty	Power (W/pcs)	Voltage	CRI(Ra)	PCB Size	Waterproof	λ (Nm)/(CT:K)	lumen (lm/pcs)
QL-F2216X120TSA-H-12/24	SMD2216	CV Version	240	19.2W	12/24V	≥90	10mm	IP20/IP67	2500-6000K	1500-1600
QL-F2216X240TSA-H-24	SMD2216 Two-Row	CV Version	480	38.4W	24V	≥90	12mm	IP20	2500-6000K	3000-3200

1LED Cutting DC24V Flexible Strips

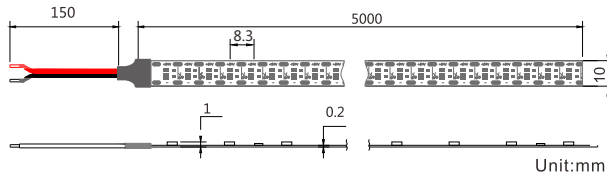
- 1-LED-Cut
- Ra+95
- CV Version



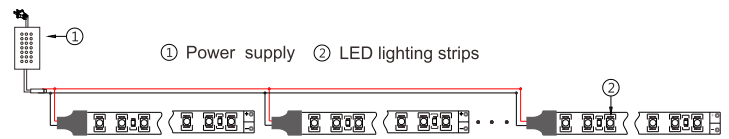
Features:

- LED: CRI≥95 SMD2835
- Constant Voltage Version
- LED Qty: 120LED/m, 60LED/m
- Power: 28.8W/m, 14.4W/m
- Voltage: DC24V
- Color: Warm White, Nature White, Pure White
- Waterproof: IP20, IP67
- Cutting: 1 LED cutting

Dimension Drawings:



Connections:



Model No.	LED Type	CC/CV	LED Qty	Power (W/pcs)	Voltage	CRI(Ra)	PCB Size	Waterproof	λ (Nm)/(CT:K)	lumen (lm/pcs)
QL-F2835X30SA-W-24-951P	SMD2835	CV	60	14.4W	24V	≥95	10mm	IP20/IP67	2700/3000K	900-1000
QL-F2835X30SA-N-24-951P	SMD2835	CV	60	14.4W	24V	≥95	10mm	IP20/IP67	4000-4500K	1000-1100
QL-F2835X30SA-P-24-951P	SMD2835	CV	60	14.4W	24V	≥95	10mm	IP20/IP67	6000-6500K	1100-1200
QL-F2835A60SA-W-24-951P	SMD2835	CV	120	28.8W	24V	≥95	10mm	IP20	2700/3000K	2100-2250
QL-F2835A60SA-N-24-951P	SMD2835	CV	120	28.8W	24V	≥95	10mm	IP20	4000-4500K	2250-2400
QL-F2835A60SA-P-24-951P	SMD2835	CV	120	28.8W	24V	≥95	10mm	IP20	6000-6500K	2400-2550

Dim to Warm LED Strips

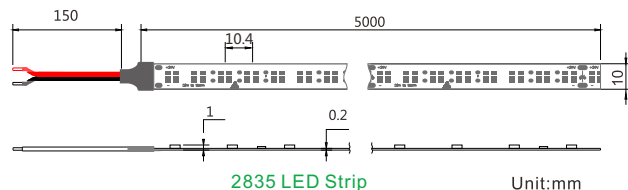
- Dim-To-Warm
- Ra+90
- CV Version



Features:

- LED: CRI≥90 SMD2835 & SMD2216
- Constant Voltage Version
- LED Qty: 192LED/m, 256LED/m
- Power: 23W/m, 26W/m
- Voltage: DC24V
- Color: Dim to warm from 3000K to 1800K
- Waterproof: IP20, IP67
- Cutting: 8 LED cutting

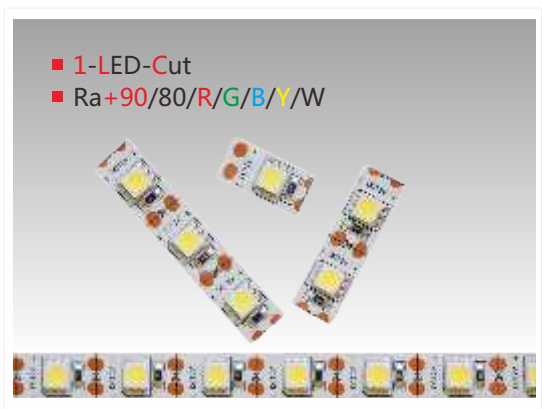
Dimension Drawings:



Model No.	LED Type	CC/CV	LED Qty	Power (W/pcs)	Voltage	CRI(Ra)	PCB Size	Waterproof	λ (Nm)/(CT:K)	lumen (lm/pcs)
QL-F2835A96SA-DTW-24	SMD2835	CV	192	26W	24V	≥90	10mm	IP20/IP67	1800-3000K	2300
QL-F2216A128SA-DTW-24	SMD2216	CV	256	23W	24V	≥90	10mm	IP20/IP67	1800-3000K	1800



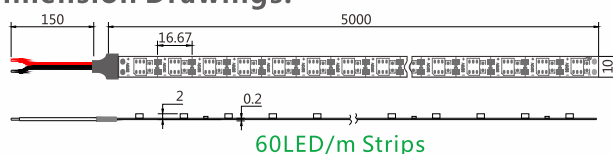
1LED Cutting DC12V LED Flexible Strips



Features:

- LED: SMD5050
- Constant voltage version
- LED Quantity: 60LED/m
- Power: 14.4W/m
- Voltage: DC12V
- Color: Warm White, Nature White, Pure White, Red, Yellow, Green, Blue
- Waterproof: IP20/IP54/IP67/IP68
- Cutting: 1LED cutting

Dimension Drawings:



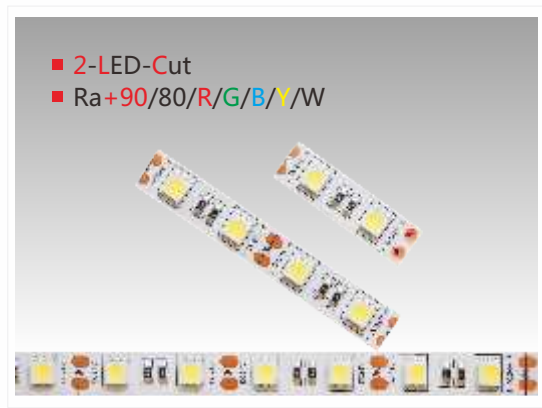
Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	PCB Width	Water-proof	Color	λ (Nm)/(CT:K)	Lumen (lm/m)
QL-F5050X30-P-12-1P	SMD5050	CV Version	60	14.4W	12V	10mm	IP20-IP68	Pure White	6000-7000K	1250-1300
QL-F5050X30-N-12-1P	SMD5050	CV Version	60	14.4W	12V	10mm	IP20-IP68	Nature White	4000-4500K	1200-1250
QL-F5050X30-W-12-1P	SMD5050	CV Version	60	14.4W	12V	10mm	IP20-IP68	Warm White	2200/2700/3000K	1100-1200
QL-F5050X30-R-12-1P	SMD5050	CV Version	60	14.4W	12V	10mm	IP20-IP68	Red	620-630	420-450
QL-F5050X30-Y-12-1P	SMD5050	CV Version	60	14.4W	12V	10mm	IP20-IP68	Yellow	585-595	420-450
QL-F5050X30-B-12-1P	SMD5050	CV Version	60	14.4W	12V	10mm	IP20-IP68	Blue	455-470	300-320
QL-F5050X30-G-12-1P	SMD5050	CV Version	60	14.4W	12V	10mm	IP20-IP68	Green	510-525	950-1000

Remark: X stands for waterproof version, A stands for non-waterproof version, B and S for IP64 waterproof version

C stands for IP67 waterproof version, D stands for IP68 waterproof version

CC means constant current version, CV means Constant Voltage Version

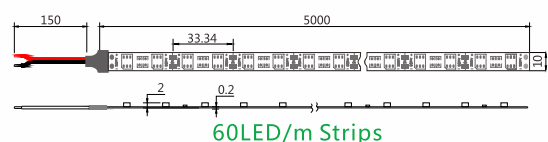
2LED Cutting DC24V LED Flexible Strips



Features:

- LED: SMD5050
- Constant voltage version
- LED Quantity: 60LED/m
- Power: 14.4W/m
- Voltage: DC24V
- Color: Warm White, Nature White, Pure White, Red, Yellow, Green, Blue
- Waterproof: IP20/IP54/IP67/IP68
- Cutting: 2LED cutting

Dimension Drawings:



Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	PCB Width	Water-proof	Color	λ (Nm)/(CT:K)	Lumen (lm/m)
QL-F5050X30-P-24-2P	SMD5050	CV Version	60	14.4W	24V	10mm	IP20-IP68	Pure White	6000-7000K	1250-1300
QL-F5050X30-N-24-2P	SMD5050	CV Version	60	14.4W	24V	10mm	IP20-IP68	Nature White	4000-4500K	1200-1250
QL-F5050X30-W-24-2P	SMD5050	CV Version	60	14.4W	24V	10mm	IP20-IP68	Warm White	2200/2700/3000K	1100-1200
QL-F5050X30-R-24-2P	SMD5050	CV Version	60	14.4W	24V	10mm	IP20-IP68	Red	620-630	420-450
QL-F5050X30-Y-24-2P	SMD5050	CV Version	60	14.4W	24V	10mm	IP20-IP68	Yellow	585-595	420-450
QL-F5050X30-B-24-2P	SMD5050	CV Version	60	14.4W	24V	10mm	IP20-IP68	Blue	455-470	300-320
QL-F5050X30-G-24-2P	SMD5050	CV Version	60	14.4W	24V	10mm	IP20-IP68	Green	510-525	950-1000

Remark: X stands for waterproof version, A stands for non-waterproof version, B and S for IP64 waterproof version

C stands for IP67 waterproof version, D stands for IP68 waterproof version

CC means constant current version, CV means Constant Voltage Version

4mm Width LED Strips

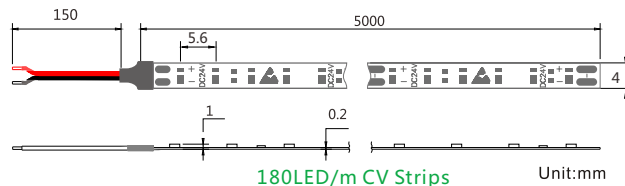
- 4mm
- 1-Step
- Ra+90



Features:

- LED: 1-Step CRI≥90 SMD2216
- Constant Voltage Version
- LED Qty: 180LED/m, 120LED/m, 60LED/m
- Power: 14.4W/m, 9.6W/m, 4.8W/m
- Voltage: DC12V/DC24V
- Color: Warm White, Nature White, Pure White
- Cutting: 6LED for DC24V version, and 3LED for DC12V version

Dimension Drawings:



Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	CRI(Ra)	PCB Width	Waterproof	Color	λ (Nm)/(CT:K)	lumen (lm/m)
QL-F2216A30SA-W-24-4OS	SMD2216	CV Version	60	4.8W	12V/24V	≥90	4mm	IP20	Warm White	2200/2700K	340-360
QL-F2216A30SA-N-24-4OS									Nature White	3000/3500K	370-390
QL-F2216A30SA-P-24-4OS									Pure White	6500K	400-420
QL-F2216A60SA-W-24-4OS	SMD2216	CV Version	120	9.6W	12V/24V	≥90	4mm	IP20	Warm White	2200/2700K	680-720
QL-F2216A60SA-N-24-4OS									Nature White	3000/3500K	740-780
QL-F2216A60SA-P-24-4OS									Pure White	6500K	800-840
QL-F2216A90SA-W-24-4OS	SMD2216	CV Version	180	14.4W	12V/24V	≥90	4mm	IP20	Warm White	2200/2700K	1000-1100
QL-F2216A90SA-N-24-4OS									Nature White	3000/3500K	1100-1200
QL-F2216A90SA-P-24-4OS									Pure White	6500K	1200-1300

5mm Width LED Strips

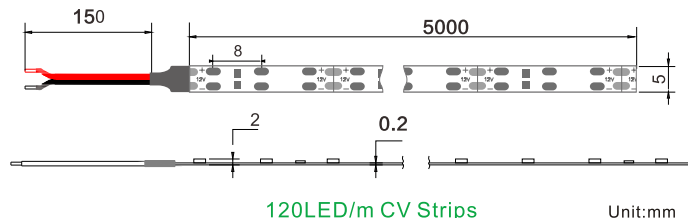
- 5mm
- Ra+95/90/80/B/G



Features:

- LED: SMD3528 120LED/m, 60LED/m
- Power: 9.6W/m, 4.8W/m
- Voltage: DC12/24V
- Color: Green, Blue, Warm White, Nature White, Pure White
- Waterproof: IP20 non-waterproof version
- Cutting: 6LED cutting for DC24V version, 3LED cutting for DC12V version

Dimension Drawings:



Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	PCB Width	Water-proof	CRI(Ra)	Color	(CT:K)	Lumen (lm/m)
QL-F3528A30SAL-W-12/24-5	SMD3528	CV Version	60	4.8W	12V/24V	5mm	IP20	≥95	Warm White	2700/3000/3500K	360-420
QL-F3528A30SAL-N-12/24-5									Nature White	4000-4500K	420-450
QL-F3528A30SAL-P-12/24-5									Pure White	5000/6000K	450-480
QL-F3528A30-B-12/24-5								/	Blue	455-470	100-110
QL-F3528A30-G-12/24-5									Green	510-525	300-330
QL-F3528A60SAL-W-12/24-5	SMD3528	CV Version	120	9.6W	12V/24V	5mm	IP20	≥95	Warm White	2700/3000/3500K	750-850
QL-F3528A60SAL-N-12/24-5									Nature White	4000-4500K	850-900
QL-F3528A60SAL-P-12/24-5									Pure White	5000/6000K	900-950
QL-F3528A60-B-12/24-5								/	Blue	455-470	200-220
QL-F3528A60-G-12/24-5									Green	510-525	600-660



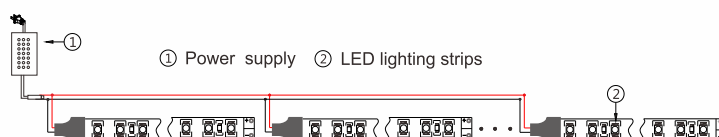
CRI ≥95/90 High Density LED Strips



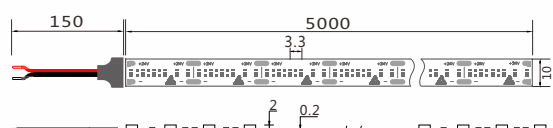
Features:

- LED: SMD2016 and SMD3528
- Constant Current Version and Constant Voltage Version
- LED Qty: 300LED/m, 240LED/m, 228LED/m, 180LED/m
- Power: 38.4W/m, 19.2W/m, 18W/m, 14.4W/m
- Voltage: DC24V
- Color: Warm White, Nature White, Pure White
- Single-Line Cutting: 6LED for DC24V version

Connections:

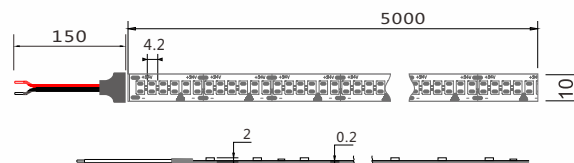


Dimension Drawings:



300LED/m Strips

Unit:mm



240LED/m CV Strips

Unit:mm

Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	CRI(Ra)	PCB Width	Waterproof	Color	λ (Nm)/(CT:K)	lumen (lm/m)
QL-F2016A240SA-W-24	SMD2016 Two-Row	CV Version	480	38.4W	24V	≥ 90	15mm	IP20	Warm White	2200/2700K	2700-2800
QL-F2016A240SA-N-24									Nature White	3000/3500K	2900-3000
QL-F2016A240SA-P-24									Pure White	4000/5000K	3200-3400
QL-F2016A150SA-W-24	SMD2016	CV Version	300	24W	24V	≥ 90	10mm	IP20	Warm White	2200/2700K	1700-1800
QL-F2016A150SA-N-24									Nature White	3000/3500K	1850-1950
QL-F2016A150SA-P-24									Pure White	4000/5000K	2000-2100
QL-F2016X120SA-W-24	SMD2016	CV Version	240	19.2W	24V	≥ 90	10mm	IP20	Warm White	2200/2700K	1350-1450
QL-F2016X120SA-N-24								IP67	Nature White	3000/3500K	1500-1600
QL-F2016X120SA-P-24									Pure White	4000/5000K	1600-1700
QL-F3528A120SAL-W-24-S1	SMD3528	CV Version	240	19.2	24V	≥ 95	10mm	IP20	Warm White	2200/2700/3000K	1600-1700
QL-F3528A120SAL-N-24-S1						≥ 90			Nature White	4000-4500K	1700-1800
QL-F3528A120SAL-P-24-S1						≥ 80			Pure White	6000-7000K	1800-1900
QL-F3528A120SAL-B-24-S1									Blue	455-470	400-450
QL-F3528A120SAL-G-24-S1									Green	510-525	1250-1350
QL-F3528A90SAL-W-24-S1	SMD3528	CV Version	180	14.4	24V	≥ 95	10mm	IP20	Warm White	2200/2700/3000K	1000-1100
QL-F3528A90SAL-N-24-S1						≥ 90			Nature White	4000-4500K	1100-1200
QL-F3528A90SAL-P-24-S1						≥ 80			Pure White	6000-7000K	1200-1300
QL-F3528A90SAL-B-24-S1									Blue	455-470	300-350
QL-F3528A90SAL-G-24-S1									Green	510-525	950-1000
QL-F3528A114SA-W-24C	SMD3528	CV Version	228	18	24V	≥ 95	12mm	IP20	Warm White	2200/2700/3000K	1450-1500
QL-F3528A114SA-N-24C						≥ 90			Nature White	4000-4500K	1500-1550
QL-F3528A114SA-P-24C						≥ 80			Pure White	6000-7000K	1550-1600
QL-F3528A114SA-B-24C									Blue	455-470	400-420
QL-F3528A114SA-G-24C									Green	510-525	1200-1300

Remark: X stands for waterproof version, A stands for non-waterproof version, B and S stands for IP54 waterproof version
C stands for IP67 waterproof version, D stands for IP68 waterproof version
CC means constant current version, CV means Constant Voltage Version

Angle-Adjustable LED Strips

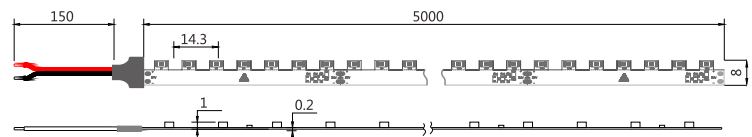
- Angle-Adj
- Ra+95/90/80/R/G/B/W/Y



Features:

- LED: SMD3528, SMD3535, SMD5630
- Constant Current and Constant Voltage Version
- LED Qty: 70LED/m
- Power: 15W/m, 14.4W/m, 7.2W/m, 4.8W/m
- Voltage: DC24V
- Color: Warm White, Nature White, Pure White, RGB, Red, Green, Blue, Yellow
- Waterproof: IP20 Non-waterproof
- Cutting: 7LED cutting for DC24V version

Dimension Drawings:

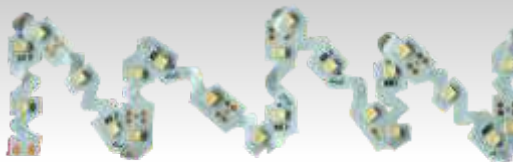


SMD5630 CC Strips											Unit:mm
Model No.	LED Type	LED Qty	Power (W/m)	Voltage	CC/CV	CRI(Ra)	PCB Width (mm)	Water-proof	Color	λ (Nm)/(CT:K)	Lumen (lm/m)
QL-F5630A35SA-W-24C-AG	SMD5630	70	15W	24V	CC Version	≥ 95 ≥ 90	5+8mm	IP20	WarmWhite	2700/3000K	1350-1400
QL-F5630A35SA-N-24C-AG									NatureWhite	4000-4500K	1450-1500
QL-F5630A35SA-P-24C-AG									Pure White	6000-6500K	1500-1600
QL-F3535A35-C-24-AG	SMD3535	70	14.4W	24V	CV Version	/	5+8mm	IP20	RGB	/	600-700
QL-F3528A35SA-W-24-AG	SMD3528	70	7.2W	24V	CV Version	≥ 95 ≥ 90	5+8mm	IP20	WarmWhite	2700/3000/3500K	650-700
QL-F3528A35SA-N-24-AG									NatureWhite	4000-4500K	700-750
QL-F3528A35SA-P-24-AG									Pure White	5000/6000K	750-800
QL-F3528A35-R-24-AG	SMD3528	70	4.8W	24V	CV Version	/	5+8mm	IP20	Red	620-630	150-170
QL-F3528A35-Y-24-AG									Yellow	585-595	150-170
QL-F3528A35-B-24-AG									Blue	455-470	110-130
QL-F3528A35-G-24-AG									Green	510-525	350-380

Remark: CC means Constant Current version, CV means Constant Voltage version.

S-Type CRI $\geq 95/90$ Bendable LED Strips

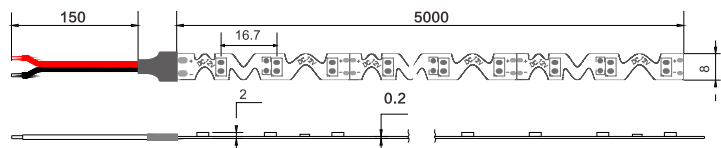
- S-Type
- Ra+95/90/80/R/G/B/W/Y



Features:

- SMD3528
- Constant Voltage Version
- LED Qty: 60LED/m
- Power: 4.8W/m, 7.2W/m
- Voltage: DC12V/DC24V
- Color: Red, Green, Blue, Yellow, Warm White, Nature White, Pure White
- Waterproof: IP20 non-waterproof version
- Cutting: 6LED cutting for DC24V version, 3 LED cutting for DC12V version

Dimension Drawings:



60LED/m Strips											Unit:mm
Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	CRI(Ra)	PCB Width	Water-proof	Color	(CT:K)	Lumen(lm/m)
QL-F3528A30SA-W-12/24-BD	SMD3528	CV Version	60	7.2W	12V/24V	≥ 95 ≥ 90	8mm	IP20	WarmWhite	2700/3000/3500K	550-600
QL-F3528A30SA-N-12/24-BD									NatureWhite	4000-4500K	600-650
QL-F3528A30SA-P-12/24-BD									Pure White	5000/6000K	650-700
QL-F3528A30-R-12/24-BD	SMD3528	CV Version	60	4.8W	12V/24V	/	8mm	IP20	Red	620-630	140-150
QL-F3528A30-Y-12/24-BD									Yellow	585-595	140-150
QL-F3528A30-B-12/24-BD									Green	455-470	300-330
QL-F3528A30-G-12/24-BD									Blue	510-525	100-110



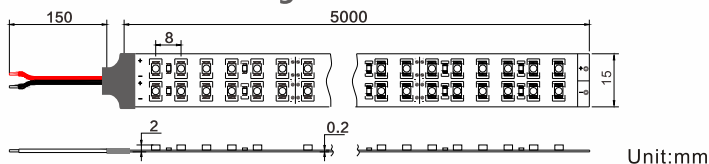
SMD3528 Double-Line LED Strips



Features:

- LED: SMD3528 240LED/m
- Power: 19.2W/m, 28.8W/m
- Voltage: DC24V
- Color: Red, Green, Blue, Yellow, Warm White, Nature White, Pure White
- Waterproof: IP20 non-waterproof version

Dimension Drawings:



Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	PCB Width	Water-proof	CRI(Ra)	Color	λ (Nm)/(CT:K)	Lumen (lm/m)
QL-F3528X120SA-P-24	SMD3528	CV Version	240	24V	IP20	28.8W/m	20mm	≥ 95 ≥ 90	□ Warm White	2700/3000/3500K	2350-2400
QL-F3528X120SA-N-24									□ Nature White	4000-4500K	2400-2600
QL-F3528X120SA-W-24									□ Pure White	5000/6000K	2600-2800
QL-F3528X120-R-24	SMD3528	CV Version	240	24V	IP20	19.2W/m	15mm	/	■ Red	620-630	650-700
QL-F3528X120-Y-24									■ Yellow	585-595	650-700
QL-F3528X120-B-24									■ Blue	455-470	400-450
QL-F3528X120-G-24									■ Green	510-525	1200-1300

Remark: X stands for waterproof version, A stands for IP20 non-waterproof version, C stands for IP67 waterproof version.
CC means Constant Current version, CV means Constant Voltage

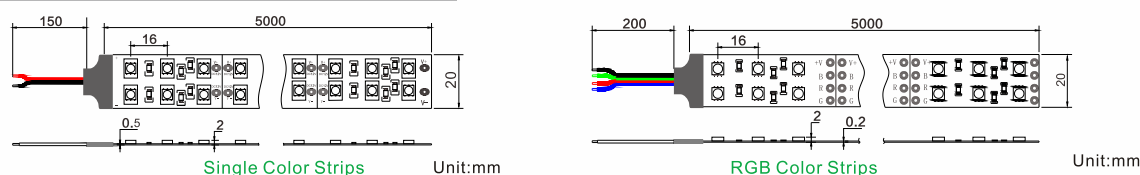
SMD5050 Double-Line LED Strips



Features:

- LED: SMD5050 120LED/m
- Power: 28.8W/m
- Voltage: DC24V
- Color: RGB, Red, Green, Blue Yellow, Warm White, Nature White, Pure White
- Waterproof: IP20 non-waterproof version

Dimension Drawings:



Model No.	LED Type	CC/CV	LED Qty	Voltage	Water-proof	Power (W/m)	PCB Width	CRI(Ra)	Color	λ (Nm)/(CT:K)	Lumen (lm/m)
QL-F5050X60SA-W-24	SMD5050	CV Version	120	24V	IP20	28.8W	20mm	≥ 90	□ Warm White	2700/3000K	2300-2400
QL-F5050X60SA-N-24									□ Nature White	4000-4500K	2400-2500
QL-F5050X60SA-P-24									□ Pure White	6000-7000K	2500-2600
QL-F5050X60-R-24	SMD5050	CV Version	120	24V	IP20	28.8W	20mm	/	■ Red	620-630	860-900
QL-F5050X60-Y-24									■ Yellow	585-595	860-900
QL-F5050X60-B-24									■ Blue	455-470	600-650
QL-F5050X60-G-24									■ Green	510-525	1900-2000
QL-F5050X60-C-24									■ RGB	/	1100-1200

Remark: X stands for waterproof version, A stands for IP20 non-waterproof version, C stands for IP67 waterproof version.
CC means Constant Current version, CV means Constant Voltage version.

Infrared LED Strips

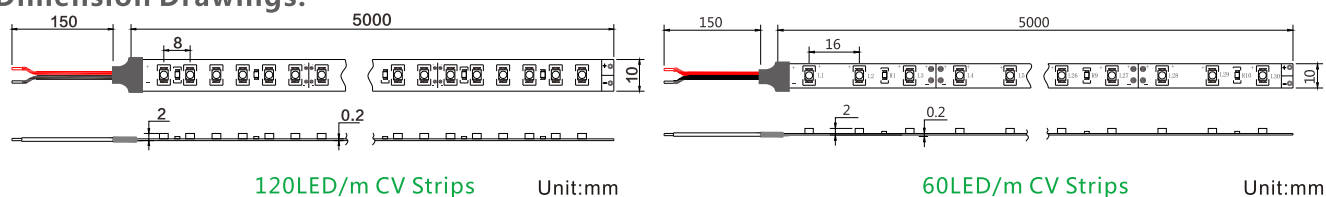
■ Infrared Strips



Features:

- LED: SMD3528
- Constant voltage version
- LED Qty: 60LED/m, 120LED/m
- Power: 4.8W/m, 9.6W/m
- Voltage: DC12V, DC24V
- Color: Infrared 840-845nm
- Waterproof: IP20, IP67
- Cutting: 6 LED for DC24V version, and 3LED for DC12V version

Dimension Drawings:



Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	PCB Width	Waterproof	Color	λ (Nm)/(CT:K)
QL-F3528A30-IR-12/24	SMD3528	CV Version	60LED/m	4.8W	12V/24V	10mm	IP20	■ Infrared Color	840-845nm
QL-F3528C30-IR-12/24	SMD3528	CV Version	120LED/m	9.6W	12V/24V	10mm	IP67	■ Infrared Color	840-845nm

Fresh Food Lighting LED Strips

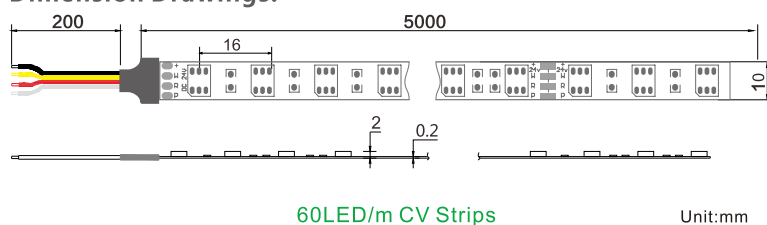
■ Food-Light ■ Red+PW+WW



Features:

- LED: SMD5050
- Constant Voltage Version
- LED Qty: 60LED/m, 30LED/m
- Power: 14.4W/m, 7.2W/m
- Voltage: DC12V, DC24V
- Color: Warm White+Pure White+Red
- Waterproof: IP20, IP67
- Cutting: 6LED cutting for DC24V version, and 3 LED cutting for DC12V version

Dimension Drawings:



Model No.	LED Type	CC/CV	LED Qty	Voltage	Water-proof	Power (W/m)	PCB Width	Color	λ (Nm)/(CT:K)	Lumen (lm/m)
QL-F5050X15-F-12/24	SMD5050	CV Version	30	12V/24V	IP20/IP67	7.2W	10mm	□ □ ■ WW+PW+Red	6000K, 2700K, 620-630	400-500
QL-F5050X30-F-12/24	SMD5050	CV Version	60	12V/24V	IP20/IP67	14.4W	10mm	□ □ ■ WW+PW+Red	6000K, 2700K, 620-630	900-1000

Remark: X stands for waterproof version, A stands for IP20 version, C stands for IP67 version



Color Ratio Adjustable Plant-Grow LED Strips

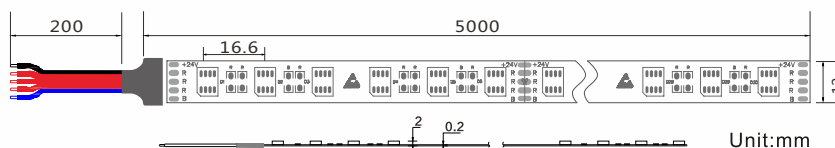


- Color-Ratio-Adj
- 4-in-1 Plant-Grow-Light

Features:

- LED: 4-in-1 SMD5050 LED, 3 red chips and 1 blue chip
- Constant voltage version
- LED Qty: 60LED/m
- Power: 19.2W/m
- Voltage: DC12V, DC24V
- Color: 3 red chips and 1 blue chip Red:660-665nm, Blue: 450-455nm
- Color Ratio is adjustable
- Waterproof: IP20, IP67
- Cutting: 6LED for DC24V version, and 3LED for DC12V version

Dimension Drawings:



Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	PCB Width	Waterproof	Color	λ (Nm)/(CT:K)	lumen (lm/m)
QL-F5050A30-GL4-12/24	SMD5050	CV Version	60	19.2W	12V/24V	12mm	IP20 IP67	Grow Light	Red:660-665nm Blue: 450-455nm	400-500
QL-F5050C30-GL4-12/24										

Remark: One LED with four Chips, 3 Red Chips and 1 Blue Chips. The color ratio can be adjusted by controller

Plant-Grow LED Strips

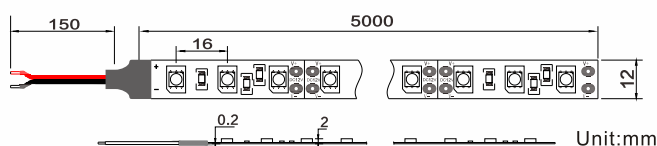


- Plant-Grow-Strip

Features:

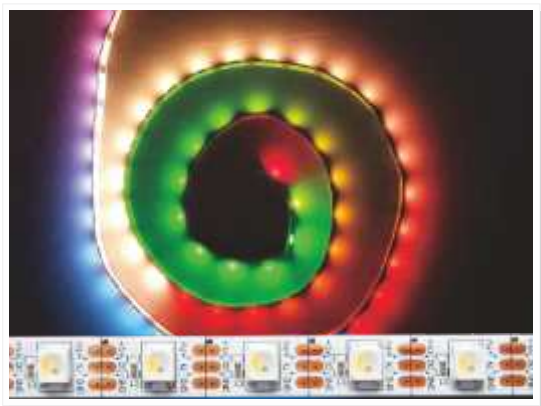
- LED: SMD5050 LED
- Constant voltage version
- LED Qty: 60LED/m
- Power: 14.4W/m
- Voltage: DC12V, DC24V
- Color: Red: 660-665nm, Blue: 450-455nm
- Waterproof: IP20, IP67
- Cutting: 6LED for DC24V version, and 3LED for DC12V version

Dimension Drawings:



Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	PCB Width	Waterproof	Color	λ (Nm)/(CT:K)	lumen (lm/m)
QL-F5050X30-R4B1-12/24	SMD5050	CV Version	60	14.4W	12V/24V	10mm	IP20 IP67	Grow Light R:B=4:1	Red:660-665nm Blue: 450-455nm	330
QL-F5050X30-R5B1-12/24								Grow Light R:B=5:1		340
QL-F5050X30-R9B1-12/24								Grow Light R:B=9:1		350

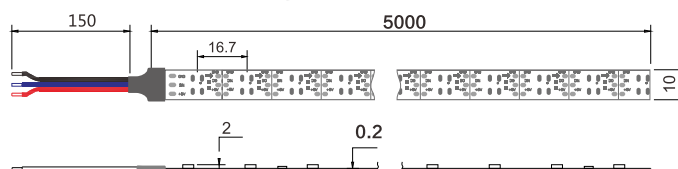
RGBX SMD5050 Digital LED Strips



Features:

- LED: 4 Chips in 1 LED SMD5050, with IC in LED
- Constant Voltage Version
- LED Qty: 60LED/m, 30LED/m
- Power: 18W/m, 9W/m
- Voltage: DC5V
- Color: RGB+Warm White, RGB+Nature White, RGB+Pure White, RGB+Amber digital color
- Waterproof: IP20, IP67
- Cutting: 1 LED cutting for DC5V

Dimension Drawings:



60LED/m CV Strips

Unit:mm

Model No.	LED Type	CC/CV	LED Qty	Power (W/m)	Voltage	PCB Width	Water-proof	Color	λ (Nm)/(CT:K)
QL-F5050X15-CP4-5	SMD5050	CV Version	30	9W	5V	10mm	IP20 IP67	RGB+PW Dream	620-630 510-525 455-470 2700K
QL-F5050X15-CN4-5								RGB+NW Dream	620-630 510-525 455-470 4000K
QL-F5050X15-CW4-5								RGB+WW Dream	620-630 510-525 455-470 6000K
QL-F5050X15-CA4-5								RGB+Amber Dream	620-630 510-525 455-470 340-360
QL-F5050X30-CP4-5	SMD5050	CV Version	60	18W	5V	10mm	IP20 IP67	RGB+PW Dream	620-630 510-525 455-470 2700K
QL-F5050X30-CN4-5								RGB+NW Dream	620-630 510-525 455-470 4000K
QL-F5050X30-CW4-5								RGB+WW Dream	620-630 510-525 455-470 6000K
QL-F5050X30-CA4-5								RGB+Amber Dream	620-630 510-525 455-470 340-360

Remark: X stands for waterproof version, A stands for IP20 version, C stands for IP67 version
CC means Constant Current version, CV means Constant Volt

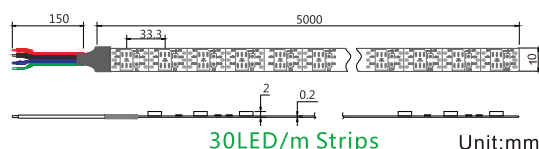
WS 2811 Digital Strips with IC inside LED



Features:

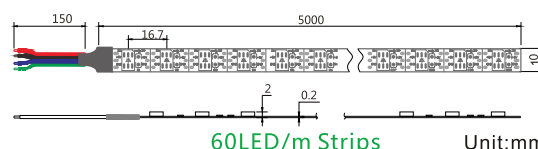
- LED: SMD5050
- LED Quantity: 30LED/m, 60LED/m
- Power: 9W/m, 18W/m
- Voltage: DC5V
- Color: Dream Color
- Waterproof: IP20, IP67
- Cutting: 1LED Cutting for DC5V

Dimension Drawings:



30LED/m Strips

Unit:mm



60LED/m Strips

Unit:mm

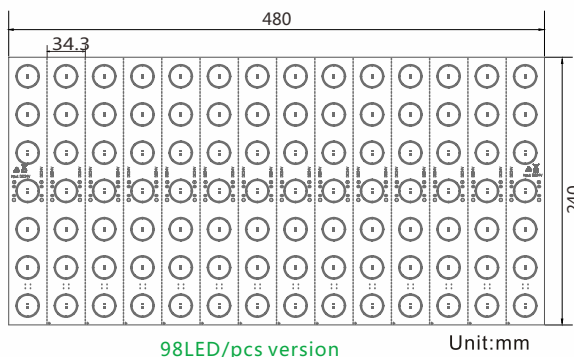
Model No.	LED Type	IC	CC/CV	LED Qty	Power (W/m)	Voltage	PCB Width	Water-proof	Color	λ (Nm)
QL-F5050A15-D-5	SMD5050	WS2811	CV Version	30	9W	5V	10mm	IP20	Dream Color	620-630 510-525 455-470
QL-F5050C15-D-5	SMD5050	WS2811	CV Version	30	9W	5V	10mm	IP67	Dream Color	620-630 510-525 455-470
QL-F5050A30-D-5	SMD5050	WS2811	CV Version	60	18W	5V	10mm	IP20	Dream Color	620-630 510-525 455-470
QL-F5050C30-D-5	SMD5050	WS2811	CV Version	60	18W	5V	10mm	IP67	Dream Color	620-630 510-525 455-470



160 Degree SMD2835 Back Light Module



Dimension Drawings:



Features:

- Degree: 160 degree
- LED: CRI ≥90 SMD2835
- Constant Voltage Version
- Size: 480*240mm/pcs
- Power: 34W/pcs, 36W/pcs
- LED Qty: 98LED/pcs, 50LED/pcs
- Voltage: DC24V
- Color: Warm White, Nature White, Pure White
- Waterproof: IP20 Version

Model No.	LED Type	CC/CV	LED Qty	Power (W/pcs)	Voltage	PCB Size	Waterproof	Color	λ (Nm)/(CT:K)	lumen (lm/pcs)
QL-M2835A98-W-24	SMD2835	CV Version	98LED/pcs	34W	24V	480*240mm	IP20	□ Warm White	2700/3000K	3050-3100
QL-M2835A98-N-24								□ Nature White	3900-4200K	3100-3200
QL-M2835A98-P-24								□ Pure White	6000-6500K	3200-3300
QL-M2835A50-W-24	SMD2835	CV Version	50LED/pcs	36W	24V	480*240mm	IP20	□ Warm White	2700/3000K	3050-3100
QL-M2835A50-N-24								□ Nature White	3900-4200K	3100-3200
QL-M2835A50-P-24								□ Pure White	6000-6500K	3200-3300

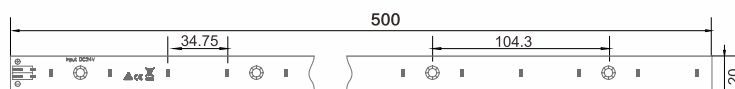
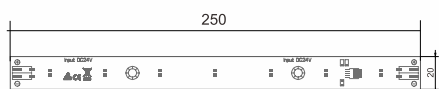
160 Degree SMD2835 Back Light Bar



Features:

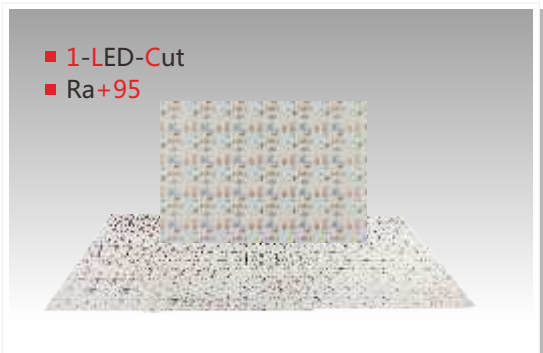
- Degree: 160 degree
- LED: CRI ≥90 High Power SMD2835
- Constant Current Version
- Length: 25cm/pcs, 50cm/pcs
- Power: 7.2W/pcs, 14.4W/pcs
- LED Qty: 7LED/pcs, 14LED/pcs
- Voltage: DC24V
- Color: Warm White, Nature White, Pure White
- Waterproof: IP20 Version

Dimension Drawings:



Model No.	LED Type	CC/CV	LED Qty	Power (W/pcs)	Voltage	CRI(Ra)	PCB Size (mm)	Water-proof	Color	(CT:K)	Lumen (lm/pcs)
QL-M2835A07-W-24C	SMD2835	CC Version	7	7.2W	24V	≥90	250*20*1.6	IP20	□ Warm White	3000-3500K	520-550
QL-M2835A07-N-24C									□ Nature White	4000-4500K	550-5800
QL-M2835A07-P-24C									□ Pure White	6000-6500K	580-600
QL-M2835A14-W-24C	SMD2835	CC Version	14	14.4W	24V	≥90	500*20*1.6	IP20	□ Warm White	3000-3500K	1050-1100
QL-M2835A14-N-24C									□ Nature White	4000-4500K	1100-1050
QL-M2835A14-P-24C									□ Pure White	6000-6500K	1150-1200

1-LED-Cut SMD2835 Flexible Back Light Module



Dimension Drawings:



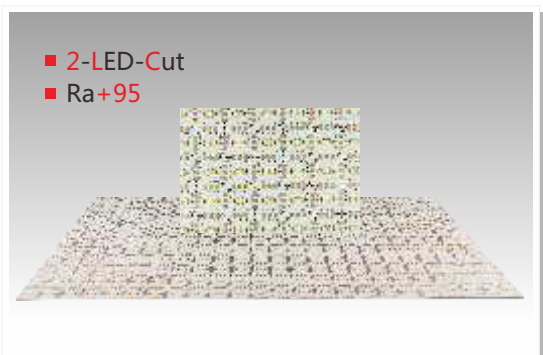
Features:

- 1-LED-Cut
- LED: CRI $\geq$ 95 SMD2835
- Constant Voltage Version
- Size: 480*240mm/pcs
- Power: 60W/pcs, 36W/pcs, 16W/pcs

- LED Qty: 288LED/pcs, 162LED/pcs, 72LED/pcs
- Voltage: DC24V
- Color: Warm White, Nature White, Pure White
- Waterproof: IP20 Version

Model No.	LED Type	CC/CV	LED Qty	Power (W/pcs)	Voltage	CRI(Ra)	PCB Size	Waterproof	Color	λ (Nm)/(CT:K)	lumen (lm/pcs)
QL-M2835A288-W-24-951P	SMD2835	CV Version	288LED	60W	24V	$\geq$ 95	480*240mm	IP20	Warm White	2700/3000K	5800-6000
QL-M2835A288-N-24-951P									Nature White	3900-4200K	6000-6100
QL-M2835A288-P-24-951P									Pure White	6000-6500K	6100-6300
QL-M2835A162-W-24-951P	SMD2835	CV Version	162LED	36W	24V	$\geq$ 95	480*240mm	IP20	Warm White	2700/3000K	3100-3200
QL-M2835A162-N-24-951P									Nature White	3900-4200K	3200-3300
QL-M2835A162-P-24-951P									Pure White	6000-6500K	3300-3400
QL-M2835A72-W-24-951P	SMD2835	CV Version	72LED	16W	24V	$\geq$ 95	480*240mm	IP20	Warm White	2700/3000K	1400-1450
QL-M2835A72-N-24-951P									Nature White	3900-4200K	1450-1500
QL-M2835A72-P-24-951P									Pure White	6000-6500K	1500-1550

Dual-White SMD2835 Flexible Back Light Module



Dimension Drawings:



Features:

- 1-LED-Cut
- LED: CRI $\geq$ 95 SMD2835
- Constant Voltage Version
- Size: 480*240mm/pcs
- Power: 120W/pcs

- LED Qty: 576LED/pcs
- Voltage: DC24V
- Color: Warm White, Nature White, Pure White
- Waterproof: IP20 Version

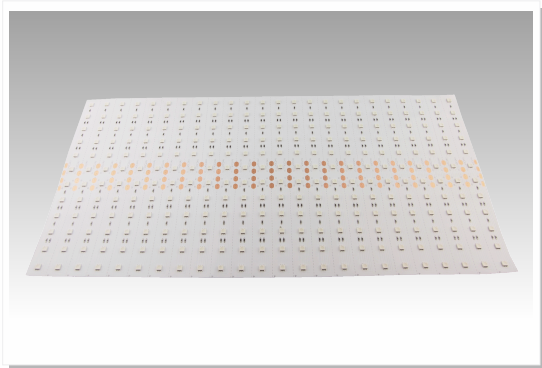
Model No.	LED Type	CC/CV	LED Qty	Power (W/pcs)	Voltage	CRI(Ra)	PCB Size	Waterproof	Color	λ (Nm)/(CT:K)	lumen (lm/pcs)
QL-M2835A576-TH-24-952P	SMD2835	CV Version	576LED	120W	24V	$\geq$ 95	480*240mm	IP20	Warm White	2700-6000K	10000-12000
QL-M2835A324-TH-24-952P	SMD2835	CV Version	324LED	72W	24V	$\geq$ 95	480*240mm	IP20	Warm White	2700-6000K	6600-6800



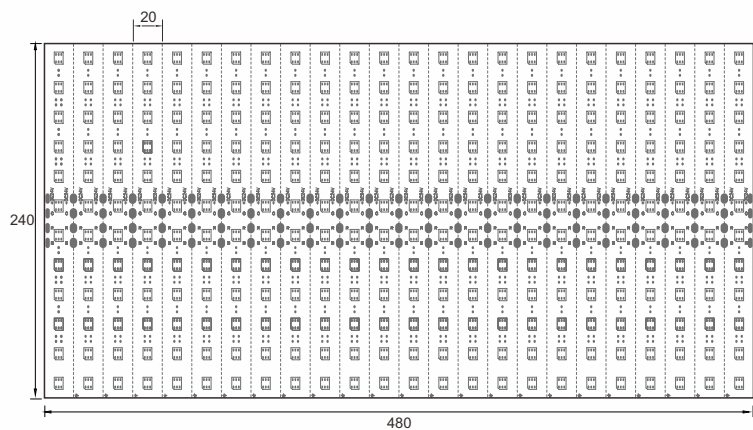
LED Back Light



RGB Back Light Soft Module



Dimension Drawings:



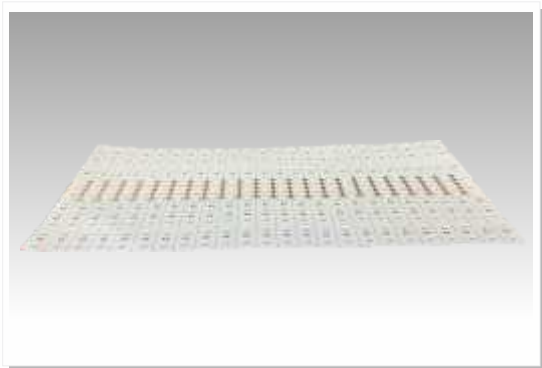
Unit:mm

Features:

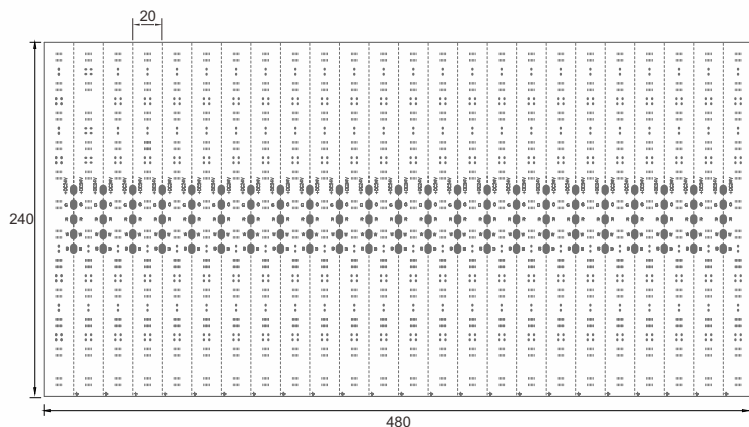
- Degree: 120 degree
- LED: SMD5050
- Constant Voltage
- Size: 480*240mm/pcs
- Power: 65W
- LED Qty: 288LED
- Voltage: DC24V
- Color: RGB
- Waterproof: IP20

Model No.	LED Type	CC/CV	LED Qty	Power (W/pcs)	Voltage	PCB Width	Waterproof	Color	λ (Nm)/(CT:K)	lumen (lm/m)
QL-M5050A144-C-24	SMD5050	CV Version	288LED	65W	24V	480*240mm	IP20	RGB	620-630 520-525 460-470	540-550 1300-1400 400-410

RGBW Back Light Soft Module



Dimension Drawings:



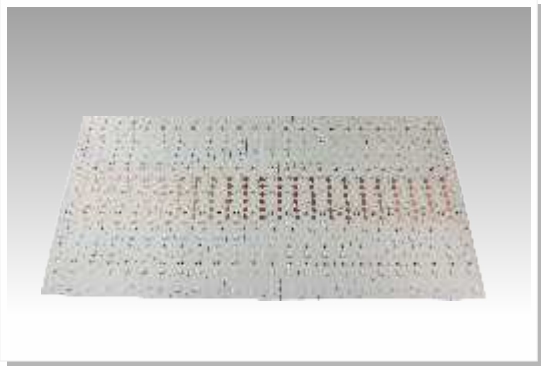
Unit:mm

Features:

- Degree: 120 degree
- LED: SMD5050
- Constant Voltage
- Size: 480*240mm/pcs
- Power: 90W
- LED Qty: 288LED
- Voltage: DC24V
- Color: RGBW
- Waterproof: IP20

Model No.	LED Type	CC/CV	LED Qty	Power (W/pcs)	Voltage	PCB Width	Waterproof	Color	lumen (lm/m)
QL-M5050A144-WCW-24	SMD5050	CV Version	288LED	90W	24V	480*240mm	IP20	2200K+RGB+2200K 2700K+RGB+2700K 3000K+RGB+3000K	RGB: 2400 White: 3400-3600
QL-M5050A144-NCN-24	SMD5050	CV Version	288LED	90W	24V	480*240mm	IP20	4000K+RGB+4000K	RGB: 2400 White: 3600-3800
QL-M5050A144-PCP-24	SMD5050	CV Version	288LED	90W	24V	480*240mm	IP20	6000K+RGB+6000K	RGB: 2400 White: 3800-4000

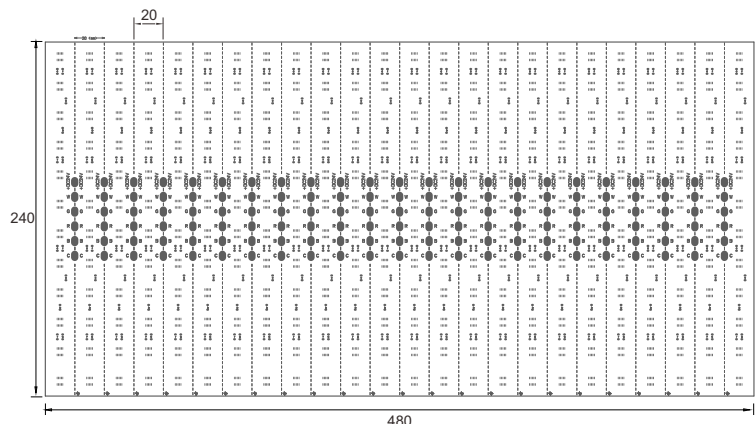
RGB+CCT Back Light Soft Module



Features:

- Degree: 120 degree
- LED: SMD5050
- Constant Voltage
- Size: 480*240mm/pcs
- Power: 90W
- LED Qty: 288LED
- Voltage: DC24V
- Color: RGBW
- Waterproof: IP20

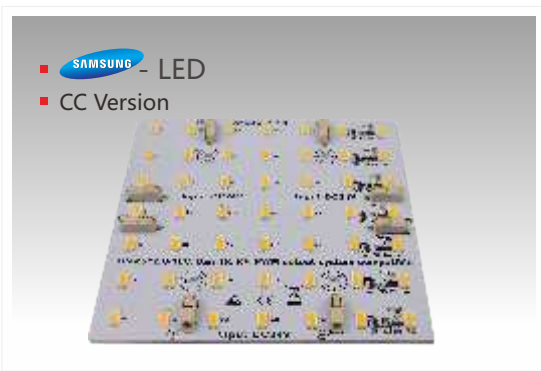
Dimension Drawings:



Unit:mm

Model No.	LED Type	CC/CV	LED Qty	Power (W/pcs)	Voltage	PCB Width	Waterproof	Color	lumen (lm/m)
QL-M5050A288-WCP-24	SMD5050	CV Version	288LED	120W	24V	480*240mm	IP20	2400K+RGB+6000K	RGB: 2400 White: 4500-4600

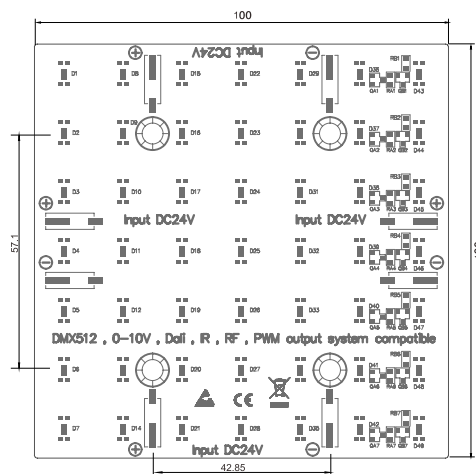
SAMSUNG LED SMD5630 LED Module



Features:

- LED: SAMSUNG SMD5630
- Constant Current Version
- Size: 100*100*1.6mm
- Power: 10W/pcs
- LED Qty: 49LED/pcs
- Voltage: DC24V
- Color: Warm White, Nature White, Pure White

Dimension Drawings:



Model No.	LED Type	CC/CV	LED Qty	Power (W/pcs)	Voltage	CRI(Ra)	PCB Size (mm)	Water-proof	Color	(CT:K)	Lumen (lm/pcs)
QL-M5630A49-W-24C-SG2	SMD5630	CC Version	49	10W	24V	≥80	100*100*1.6	IP20	Warm White	3000-3500K	1100-1200
QL-M5630A49-N-24C-SG2									Nature White	4000-4500K	1200-1300
QL-M5630A49-P-24C-SG2									Pure White	6000-6500K	1300-1400



QL-CTL-Z(Receiver)
QL-REM-C(Remote)
 8 Groups RGB Controller
 Voltage: DC12V/DC24V
 Output/Channel: 6A max.
 Total current: 15A max.
 Mark: common anode



QL-CTL-Z4(Receiver)
QL-REM-C(Remote)
 8 Groups RGBW Controller
 Voltage: DC12V/DC24V
 Output/Channel: 6A max.
 Total current: 15A max.
 Mark: common anode



QL-CTL-Z5(Receiver)
QL-REM-D(Remote)
 8 Groups RGB+CCT Controller
 Voltage: DC12V/DC24V
 Output/Channel: 6A max.
 Total current: 15A max.
 Mark: common anode



QL-CTL-WIFI-RGB
WI-FI Touching Controller
 Voltage: DC12V/DC24V
 Output: 3channels
 Output current: 4A*3
 Mark: Common anode



QL-CTLT-Z(Receiver)
QL-REM-B(Remote)
 4 Groups CCT Controller
 Voltage: DC12V/DC24V
 Output/Channel: 6A max.
 Total current: 15A max.
 Mark: common anode



QL-DIM-Z(Receiver)
QL-REM-B(Remote)
 4 Groups Dimmer
 Voltage: DC12V/DC24V
 Output/Channel: 6A max.
 Total current: 15A max.
 Mark: common anode



QL-CTL-I
DMX RGB Controller
 Voltage: DC12V/DC24V
 Output: 3 channels
 Output current: 4A*3
 Mark: Common anode



QL-CTL-I4
DMX RGBW Controller
 Voltage: DC12V/DC24V
 Output: 4channels
 Output current: 4A*4
 Mark: Common anode

Amplifier



QL-AMP-D
High Power RGB Amplifier
 Voltage: DC12V-DC24V
 Output: 3 channels
 Output current: 8A*3
 Mark: Common anode



QL-AMP-C4
RGB Amplifier
 Voltage: DC12V/DC24V
 Output: 4 channels
 Output: current PCB Size
 Mark: Common anode

Power Supplis



Power Adatptor

Model No.	Input	Output	Power	Certificate
QL-SNFP-30	AC100V/AC240V	DC12V/DC24V	30W	CE, RoHS, UL
QL-SNFP-60	AC100V/AC240V	DC12V/DC24V	60W	CE, RoHS, UL



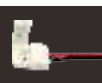
MEANWELL Waterproof Power Supply

Model No.	Input	Output	Power	Certificate
HLG-150H-24B	AC100-240V	DC12V/DC24V	150W	CE, RoHS, UL
HLG-240H-24B	AC100-240V	DC12V/DC24V	240W	CE, RoHS, UL
HLG-320H-24B	AC100-240V	DC12V/DC24V	320W	CE, RoHS, UL



MEANWELL Non-waterproof Power Supply

Model No.	Input	Output	Power	Certificate
LRS-50	AC90-132/180-264V	DC12V/DC24V	50W	UL
LRS-100	AC90-132/180-264V	DC12V/DC24V	100W	UL
LRS-150	AC90-132/180-264V	DC12V/DC24V	150W	UL
LRS-200	AC90-132/180-264V	DC12V/DC24V	200W	UL
LRS-350	AC90-132/180-264V	DC12V/DC24V	350W	UL



Connectors



Part No. QL-CN-A3/A5
A3: 8mm width
A5: 10mm width
For single-color strips



Part No. QL-CN-A8/A10
A8: 8mm width
A10: 10mm width
For single-color strips



Part No. QL-CN-B3/B5
B3: 8mm width
B5: 10mm width
For single-color strips



Part No. QL-CN-B8/B10
B8: 8mm width
B10: 10mm width
For single-color strips



Part No. QL-CN-C
10mm width
For RGB strips



Part No. QL-CN-C10
10mm width
For RGB strips



Part No. QL-CN-D
10mm width
For RGB strips



Part No. QL-CN-D10
10mm width
For RGB strips



Part No. QL-CN-J3/J5
J3: 8mm width
J5: 10mm width
For single-color strips



Part No. QL-CN-J8/J10
J8: 8mm width
J10: 10mm width
For single-color strips



Part No. QL-CN-O
10mm width
For RGB strips



Part No. QL-CN-O10
10mm width
For RGB strips



Part No. QL-CN-E
10mm width
For CCT adjustable strips



Part No. QL-CN-HA8/HA10
HA8: 8mm width
HA10: 10mm width
For single-color strips



Part No. QL-CN-F
10mm width
For CCT adjustable strips



Part No. QL-CN-H
DC Connector



Part No. QL-G2/G4
G2: with two cables
G4: with four cables

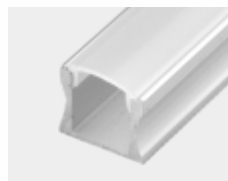
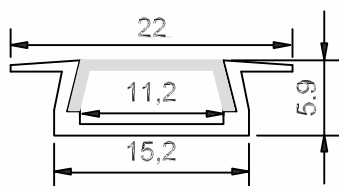


Part No. QL-CN-H3
DC Connector
One female + three males

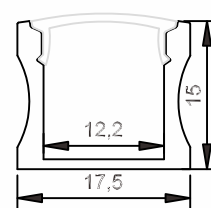
Aluminum Profiles



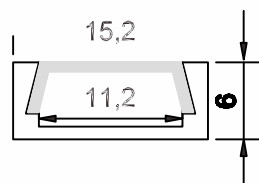
QL-AL05



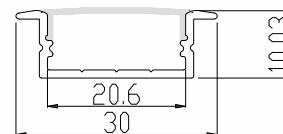
QL-AL15



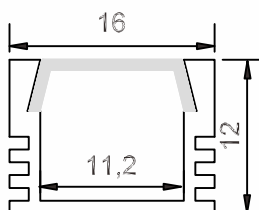
QL-AL06



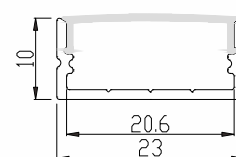
QL-AL20



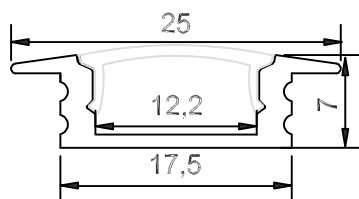
QL-AL07



QL-AL21



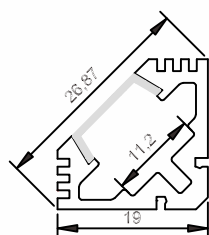
QL-AL08



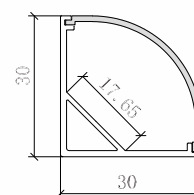
QL-AL22



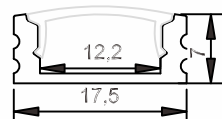
QL-AL11



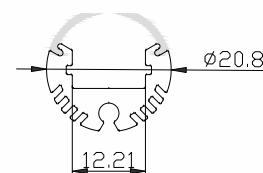
QL-AL23



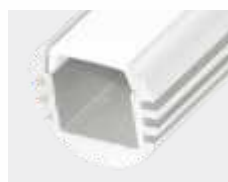
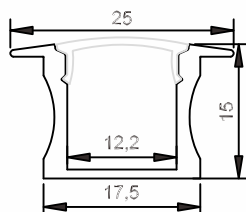
QL-AL13



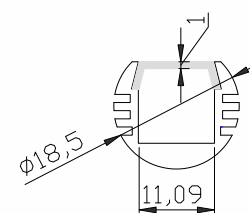
QL-AL24



QL-AL14



QL-AL25





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