



Flexible Strip Specification

Model:RL-FXXXX22X29XX(60)

RL-FXXXX22X29XX(90)

RL-FXXXX22X29XX120)

RL-FXXXX22X29XX(180)

RL-F24XX22X29XX(240)

RL-FXXXX32X28XX(60)

RL-FXXXX32X28XX(90)

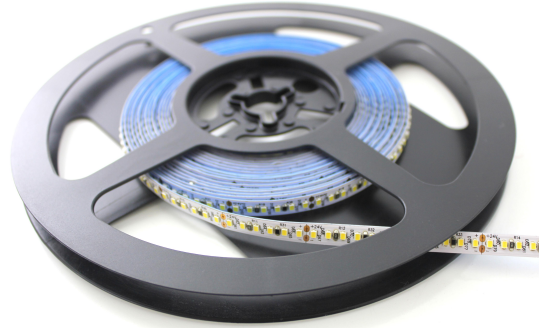
RL-FXXXX32X28XX(120)

RL-FXXXX50X28XX(60)

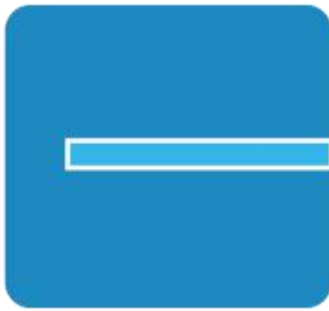
RL-FXXXX50X4(60)

Key Features

- ✧ DC12/24V low voltage input
- ✧ Various CCT available
- ✧ CRI:80/90/95 options
- ✧ Solutions for tight spaces
- ✧ IP20/IP65
- ✧ 3/5 years warranty
- ✧ UL listed



General application



Channel light



decorative Light

Applied standards

- ✧ UL 2108
- ✧ UL 8750
- ✧ CSA C22.2 No. 250.0-08
- ✧ CAN/CSA 22.2 No. 9.0



General information

P/N	Per Reel	Leds	Power	Flux	Voltage	Current	Efficiency	CCT	CRI	Protection
	mm	pcs	W	lm	V	A	lm/W	K	-	IP--
RL-FAABB22C2930(60)	5000	300	24	2000	12/24	2/1	85	3000	90	20 / 65
RL-FAABB22C2930(90)	5000	450	36	3000	12/24	3/1.5	85	3000	90	20 / 65
RL-FAABB22C2930(120)	5000	600	48	4000	12/24	4/2	85	3000	90	20 / 65
RL-FAABB22C2930(180)	5000	900	72	6000	12/24	6/3	85	3000	90	20 / 65
RL-F24AA22C2930(240)	5000	1200	96	8000	24	4	85	3000	90	20 / 65
RL-FAABB32C2830(60)	5000	300	24	2500	12/24	2/1	105	3000	80	20 / 65
RL-FAABB32C2830(90)	5000	450	36	3800	12/24	3/1.5	105	3000	80	20 / 65
RL-FAABB32C2830(120)	5000	600	48	5000	12/24	4/2	105	3000	80	20 / 65
RL-FAABB50C2830(60)	5000	300	72	6000	12/24	6/3	90	3000	80	20 / 65
RL-FAABB50C4(60)	5000	300	72	-	12/24	6/3	-	RGB	-	20 / 65

Note: 1-AA:12-12VDC; 24-24VDCBB:08,10,12mm width C: 0 or 1 (0 :Damp; 1:Wet)

2-Typical Optical-electronic parameters above @ Ta=25°C

Part Number & Explanation Example: RL-F24082202930(60)

RL	F	24	08	22	0	2	9	30	(060)
1	2	3	4	5	6	7	8	9	10
1	RL	Relight							
2	F	Flexible							
3	24	Voltage; 12: DC12V; 24: DC24V							
4	08	Wide 08: 8mm ; 10:10mm; 12:12mm;							
5	22	LED PKG 22:2216; 32:3528; 50:5050							
6	0	IP Level; 0: Damp; 1: Wet							
7	2	Light color; 2:White 4:RGB 5:RGBW 6:Single Color							
8	9	CRI 8:80;9:90;U95;V:98 When"7"=6, "8/9":Wavelength (620nm etc.)							
9	30	CCT; 30:3000K ...							
10	(60)	LEDs/Meter 60:60LEDS 90:90LEDS 120:120LEDS							

Power Vs Length

Ft	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	16.4
	1.5	2.9	4.4	5.9	7.3	8.8	10.2	11.7	13.2	14.6	16.1	17.6	19	20.5	22	23.4	24
	2.2	4.4	6.6	8.8	11.0	13.2	15.4	17.6	19.8	22.0	24.1	26.4	28.6	31.0	33.2	35.1	36
Watt(w)	3.0	5.8	8.8	11.8	14.6	17.6	20.4	23.4	26.4	29.2	32.2	35.2	38.0	41.0	44.0	46.8	48
	4.4	8.8	13.2	17.6	22.0	26.4	30.8	35.2	39.6	44.0	48.2	52.8	57.2	62.0	66.4	70.2	72
	6	11.6	17.6	13.6	29.2	35.2	40.8	46.8	52.8	58.4	64.4	70.4	76.0	82.0	88.0	93.6	96

Selection guide Example: RL-FXX0822X29XX(60)

P/N	Size	Input	Current	Power	Flux	Efficiency	CCT	CRI	IP
	mm	VDC	A	W	Lm	Lm/W	K	-	-
RL-F12082202927(60)	5000X8	12	2	24	2000	85	2700	90	IP20
RL-F12082202930(60)							3000		
RL-F12082202935(60)							3500		
RL-F12082202940(60)							4000		
RL-F12082202950(60)							5000		
RL-F12082202960(60)							6000		
RL-F24082202927(60)	5000X8	24	1	24	2000	85	2700	90	IP20
RL-F24082202930(60)							3000		
RL-F24082202935(60)							3500		
RL-F24082202940(60)							4000		
RL-F24082202950(60)							5000		
RL-F24082202960(60)							6000		
RL-F12082212927(60)	5000X8	12	2	24	1800	75	2700	90	IP65
RL-F12082212930(60)							3000		
RL-F12082212935(60)							3500		
RL-F12082212940(60)							4000		
RL-F12082212950(60)							5000		
RL-F12082212960(60)							6000		
RL-F24082212927(60)	5000X8	24	1	24	1800	75	2700	90	IP65
RL-F24082212930(60)							3000		
RL-F24082212935(60)							3500		
RL-F24082212940(60)							4000		
RL-F24082212950(60)							5000		
RL-F24082212960(60)							6000		

Interval/Section (Unit: mm)

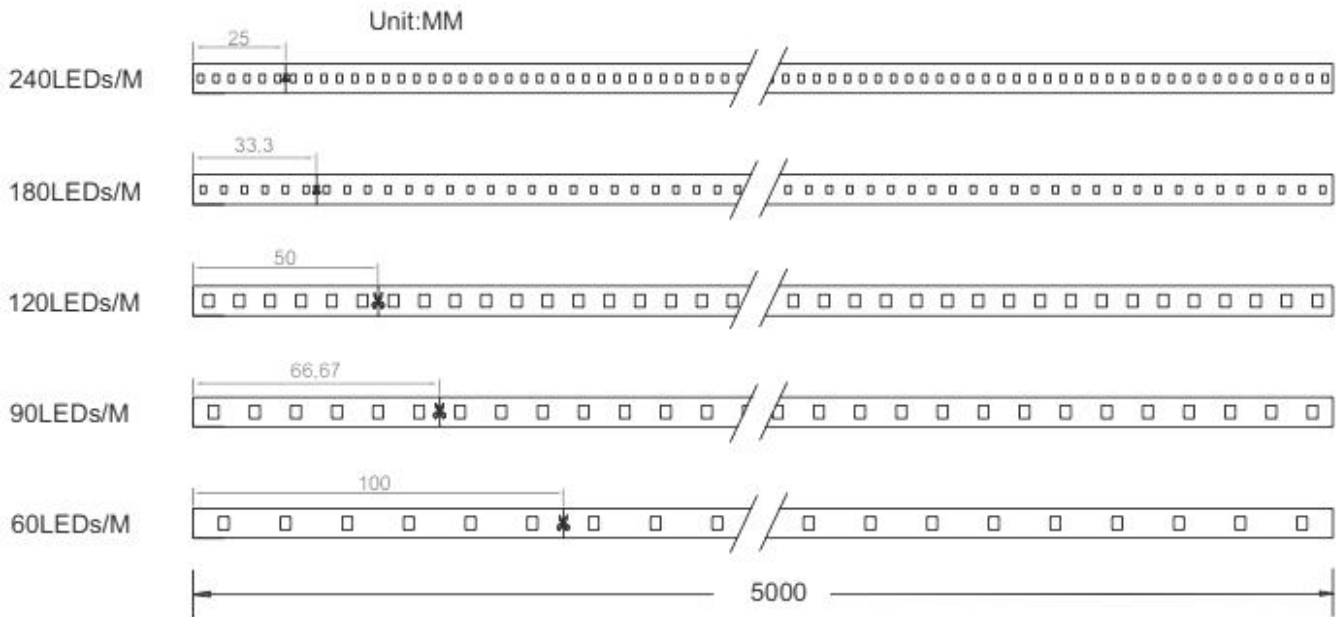


Fig1: RL-F24 series interval length

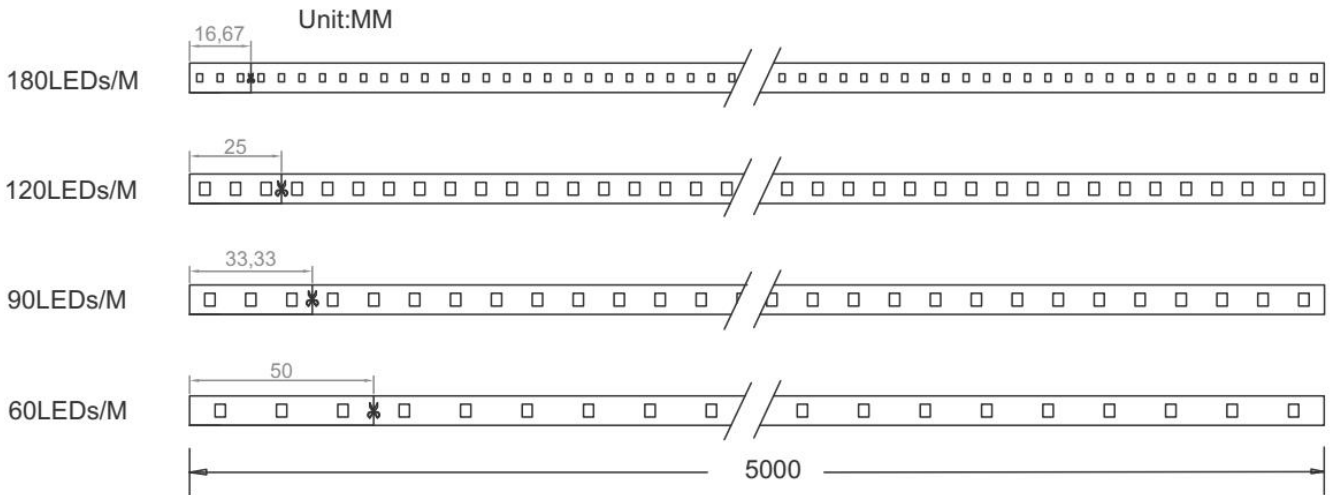
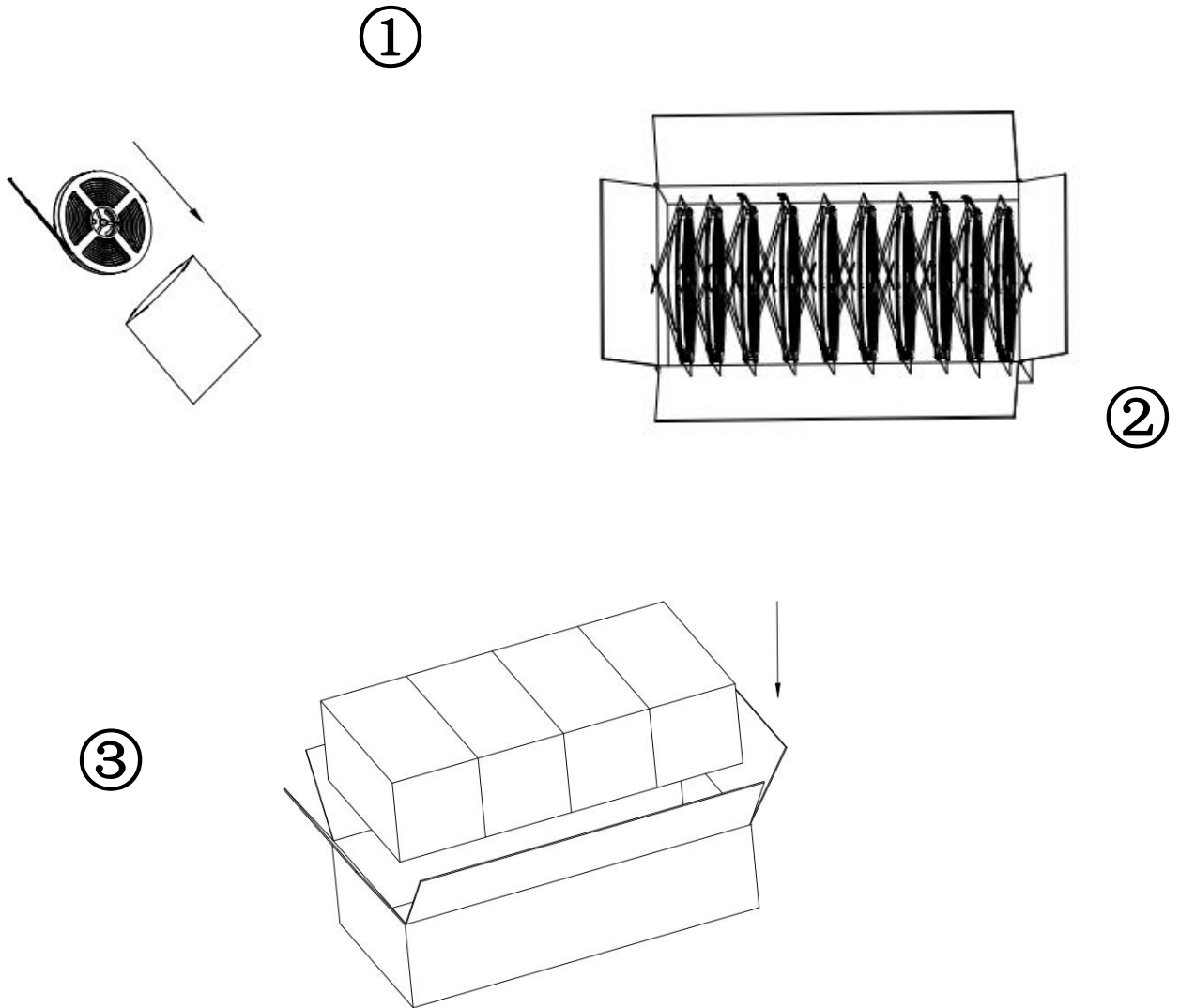


Fig2: RL-F12 series interval length

Package



Type	Items	Per white box	Per carton
IP20 (Damp)	Modules	---pcs	20
	Weight	---Kg	6
	Dimension	---mm	350x210x190mm
IP65(Wet)	Modules	---pcs	14
	Weight	---Kg	7
	Dimension	---mm	350x210x210

Safety Information

1. The LED module and all its components shall not be subjected to mechanical stress
2. Correct electrical polarity, otherwise module may be damaged
3. Ensure the power supply is suitable for the total load.
4. Electrostatic Discharge (ESD) precautions shall be incorporated when handling or installing the module.
5. Installation of LED modules shall refer to all applicable electrical and safety standards.
6. Suitable for luminaire of protection class 1, grounding is mandatory to comply with safety standards
7. The AC light engine needs to be mounted to a heat sink with thermal interface material between them
8. It is better to use the AC led module with safety cover
9. Modules may be hot to touch. Use caution when handling.

Shenzhen Relight Technology Co.,Ltd

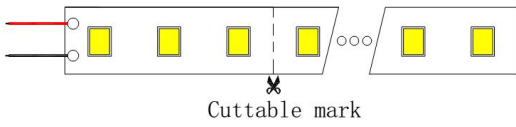
6th Floor, Building A, Guancheng
IndustrialPark, Gongming Town, Guangming
District, Shenzhen, China

www.relight-tech.com

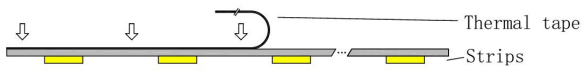
Sales@relight-tech.com

Flexible strip installation instructions

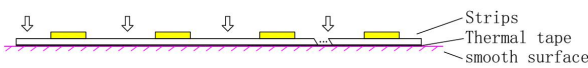
1) IP20 strips



1. Cut the strip by the cuttable mark according to the length of application

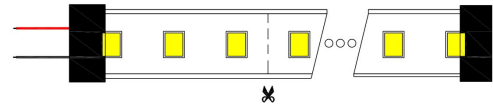


2. Put on the thermal tape on the back of strips tightly

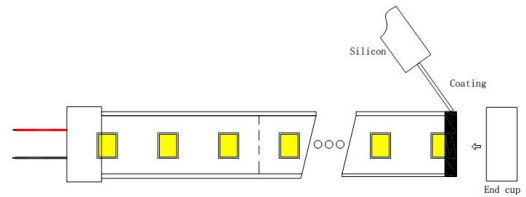


3. Stick the strip with thermal tape to the smooth surface and press the strip to ensure the strip fixed well

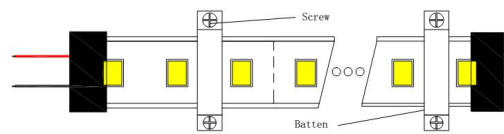
2) IP65 strips



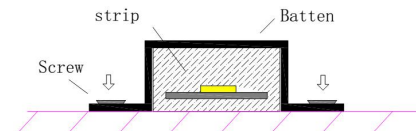
1. Cut the strip by the cuttable mark according to the length of application



2. Paste the silicon coating at the cutted side, and fix the end cap; wait for 30minutes to ensure the silicon solidification



3. Fix the strip on the application surface with batten and screws



Connection accessories



FC-M01



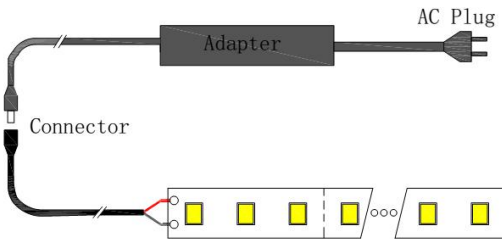
FC-P01-8



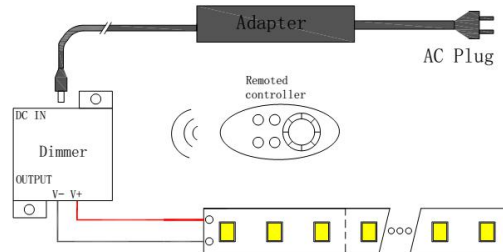
FC-S01-8

Wiring installation

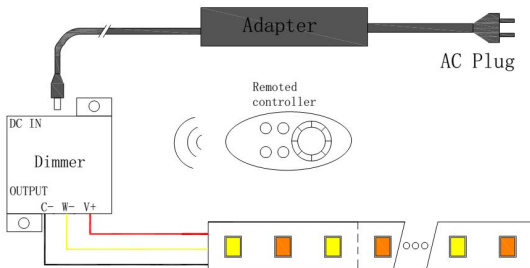
1. Connect the adapter to the strips directly , it is suitable for single color strips



2. For single color strips dimming ,just adjust the brightness by remoted controller



3. For CCT-changment, adjust different color temperature with dimmer by remoted controller



Adapter & Dimmer List



Model Number: temperature-Controller
 Working Temperature: -20oC~60oC
 Voltage: DC12V, 24V
 Output current: 6A/Channel
 Output: 2 Channels (WW/CW)
 Connecting mode: common anode
 Frequency of RF remote control: 433.9MHz
 Packing size: L120*W70*H50 (mm)



Model Number: Brightness controller
 Working Temperature: -20-60°C
 Voltage: DC12V, 24V
 Output current: 1 Channel
 Packing size: L160xW95xH51mm
 Output current: <8A



Model Number: RGB controller
 Working Temperature: -20-60°C
 Voltage: 12V~24V
 Output current: 6A/Channel*3channel(R/G/B)
 Connecting mode: common anode



Model Number: Adapter
 Working Temperature: -20oC~60oC
 Input voltage: 100-240Vac/50-60Hz
 Output voltage: DC12V, 24V
 Load capacity: 40W/60W/100W