

SMD5050 Series

RA 90+

Product Features

1. RA 90+, conform to the requirement of supplementary lighting.
2. Abundant CCT option: 2700K|3000K|4000K|5000K|6500K.
3. 30LEDs/60LEDs/72LEDs/96LEDs/120LEDs per meter for option.
4. 10MM, 12MM, 18MM FPC width for option.
5. White, brown, black FPC for option, but our standard FPC color is white.
6. Low consumption, excellent and reliable stability.
7. Long lifetime (> 50 000h), 3 chips inside.

EST-FS5050C-120-24-Y

① ② ③ ④ ⑤

Color

2700 K	3000 K	4000 K	5000 K	6500 K
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Input DC Voltage

24VDC | 12VDC

LED Type

SMD5050

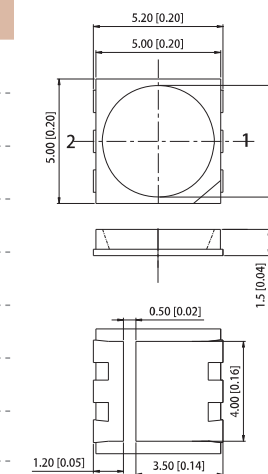
LED Qty. per meter

120 | 96 | 72 | 60 | 30

IP Index

IP20 | IP54 | IP65
IP67 | IP68

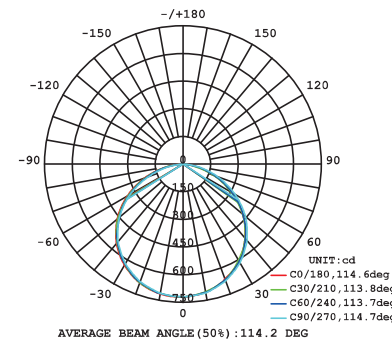
Model	Color temp. Wave lengths	Luminous Flux@60mA		I _f	V _f		CRI(Ra)
		Min.	Max.		Current	Max.	
SMD5050 	2700K	20LM	22LM	60mA	3.0V	3.2V	90+
	3000K	20LM	22LM	60mA	3.0V	3.2V	90+
	4000K	20LM	22LM	60mA	3.0V	3.2V	90+
	5000K	20LM	22LM	60mA	3.0V	3.2V	90+
	6500K	20LM	22LM	60mA	3.0V	3.2V	90+
	620-625 NM NM	---	---	60mA	3.0V	3.2V	---
	585-590 NM NM	---	---	60mA	3.0V	3.2V	---
	517-522 NM NM	---	---	60mA	3.0V	3.2V	---
	465-470 NM NM	---	---	60mA	3.0V	3.2V	---



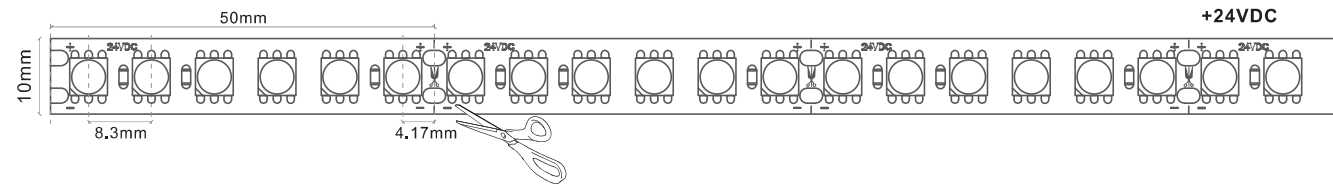
RA 90+ SMD5050 Series

Part Number: EST-FS5050C-120H-24-Y

Model	Color temp. Wave lengths	LM/M	Power/M	CRI (Ra)	FPC copper
ES-FS5050WW-120H-24-Y	2700K	1815LM	<23W	90+	3OZ
ES-FS5050WW-120H-24-Y	3000K	1815LM	<23W	90+	3OZ
ES-FS5050NW-120H-24-Y	4000K	1985LM	<23W	90+	3OZ
ES-FS5050NW-120H-24-Y	5000K	1985LM	<23W	90+	3OZ
ES-FS5050PW-120H-24-Y	6500K	2015LM	<23W	90+	3OZ
ES-FS5050R-120H-24-Y	620-625 NM NM	---	<23W	---	3OZ
ES-FS5050Y-120H-24-Y	585-590 NM NM	---	<23W	---	3OZ
ES-FS5050G-120H-24-Y	517-522 NM NM	---	<23W	---	3OZ
ES-FS5050B-120H-24-Y	465-470 NM NM	---	<23W	---	3OZ



Strip length: CE:500CM UL:13.12FT



IP Rating:

- IP20---Non waterproof
- IP54---Nano coated
- IP65---Silicon coated
- IP67---Silicon coated & Wrapped heat shrink tube
- IP67---Silicon extrusion
- IP67---Silicon tube(transparent)
- IP68---Silicon tube(transparent) & Inject silicon glue

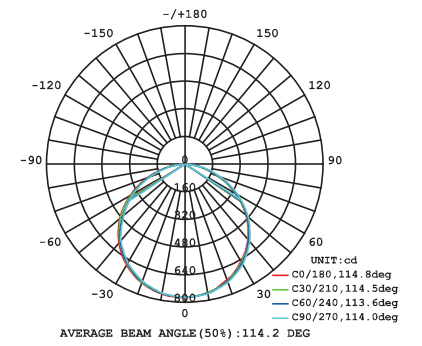
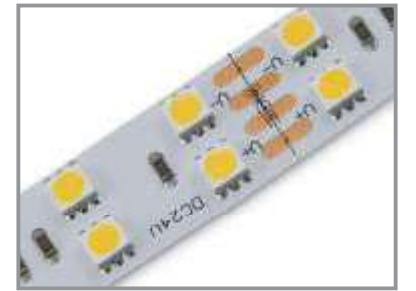
AL. profiles (mm)

ES-LL017009	ES-LL024011	ES-LL017015	ES-LL013006
ES-LL023009	ES-LL030011	ES-LL023015	ES-LL013012
ES-LL016016	ES-LL020020-1	ES-LL016015	ES-LL025025
ES-LL030030	ES-LL010015	ES-LL020020	
ES-LL018018	ES-LL010010		

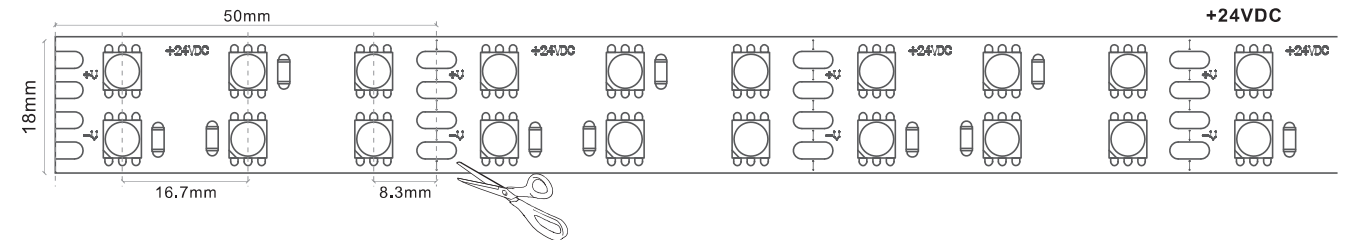
RA 90+ SMD5050 Series

Part Number: EST-FS5050C-120-24-Y

Model	Color temp. Wave lengths	LM/M	Power/M	CRI (Ra)	FPC copper
ES-FS5050WW-120-24-Y	2700K	1835LM	<26W	90+	3OZ
ES-FS5050WW-120-24-Y	3000K	1835LM	<26W	90+	3OZ
ES-FS5050NW-120-24-Y	4000K	1915LM	<26W	90+	3OZ
ES-FS5050NW-120-24-Y	5000K	1915LM	<26W	90+	3OZ
ES-FS5050PW-120-24-Y	6500K	2043LM	<26W	90+	3OZ
ES-FS5050R-120-24-Y	620-625 NM NM	---	<26W	---	3OZ
ES-FS5050Y-120-24-Y	585-590 NM NM	---	<26W	---	3OZ
ES-FS5050G-120-24-Y	517-522 NM NM	---	<26W	---	3OZ
ES-FS5050B-120-24-Y	465-470 NM NM	---	<26W	---	3OZ



Strip length: CE:500CM UL:11.48FT



IP Rating:

- IP20---Non waterproof
- IP54---Nano coated
- IP65---Silicon coated
- IP67---Silicon coated & Wrapped heat shrink tube
- IP67---Silicon extrusion
- IP67---Silicon tube(transparent)
- IP68---Silicon tube(transparent) & Inject silicon glue

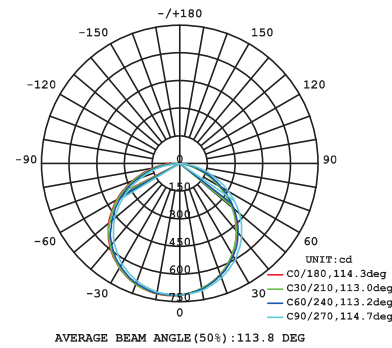
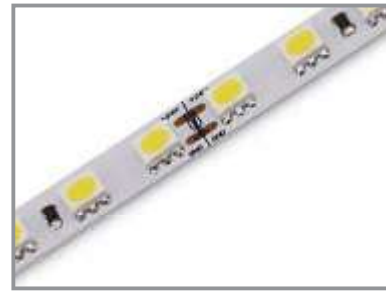
AL. profiles (mm)

ES-LL017009	ES-LL024011	ES-LL017015	ES-LL013006
ES-LL023009	ES-LL030011	ES-LL023015	ES-LL013012
ES-LL016016	ES-LL020020-1	ES-LL016015	ES-LL025025
ES-LL030030	ES-LL010015	ES-LL020020	
ES-LL018018	ES-LL010010		

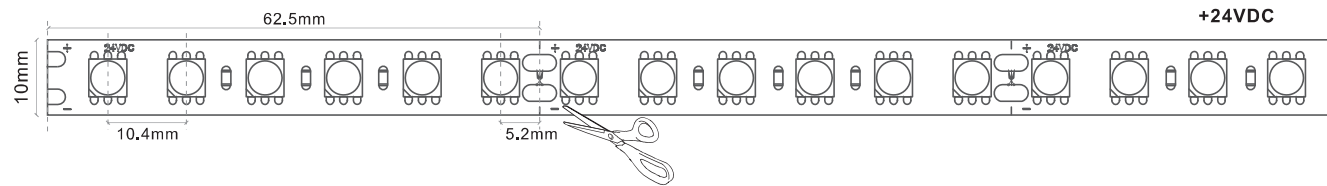
RA 90+ SMD5050 Series

Part Number: EST-FS5050C-96-24-Y

Model	Color temp. Wave lengths	LM/M	Power/M	CRI (Ra)	FPC copper
ES-FS5050WW-96-24-Y	2700K	1625LM	<23W	90+	3OZ
ES-FS5050WW-96-24-Y	3000K	1625LM	<23W	90+	3OZ
ES-FS5050NW-96-24-Y	4000K	1717LM	<23W	90+	3OZ
ES-FS5050NW-96-24-Y	5000K	1717LM	<23W	90+	3OZ
ES-FS5050PW-96-24-Y	6500K	1809LM	<23W	90+	3OZ
ES-FS5050R-96-24-Y	620-625 NM NM	---	<23W	---	3OZ
ES-FS5050Y-96-24-Y	585-590 NM NM	---	<23W	---	3OZ
ES-FS5050G-96-24-Y	517-522 NM NM	---	<23W	---	3OZ
ES-FS5050B-96-24-Y	465-470 NM NM	---	<23W	---	3OZ



Strip length: CE:500CM UL:14.23FT



IP Rating:

- IP20---Non waterproof
- IP54---Nano coated
- IP65---Silicon coated
- IP67---Silicon coated & Wrapped heat shrink tube
- IP67---Silicon extrusion
- IP67---Silicon tube(transparent)
- IP68---Silicon tube(transparent) & Inject silicon glue

AL. profiles (mm)

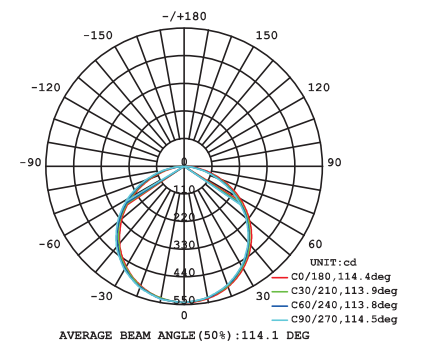
ES-LL017009	ES-LL024011	ES-LL017015	ES-LL013006
ES-LL023009	ES-LL030011	ES-LL023015	ES-LL013012
ES-LL016016	ES-LL020020-1	ES-LL016015	ES-LL025025
ES-LL030030	ES-LL010015	ES-LL020020	
ES-LL018018		ES-LL010010	

RA 90+ SMD5050 Series

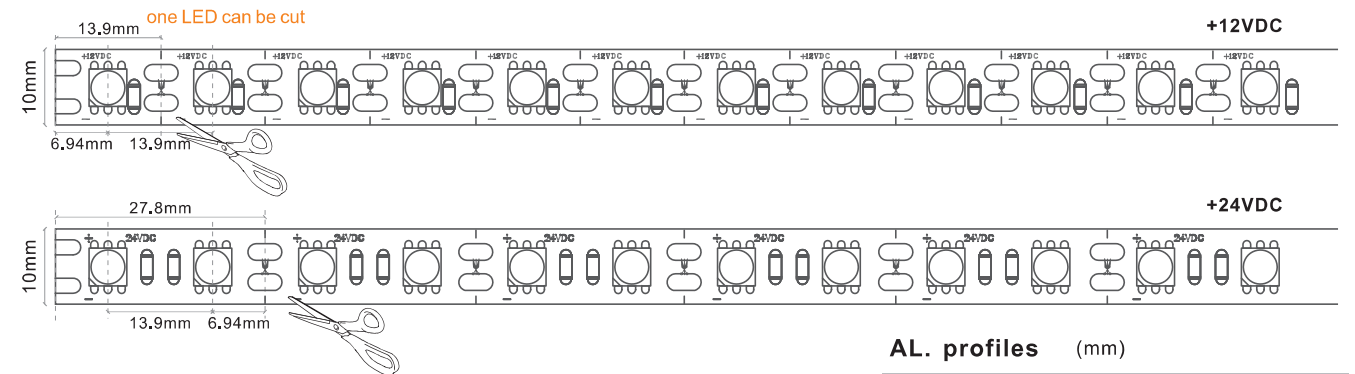
Part Number: EST-FS5050C-72-12-Y

Part Number: EST-FS5050C-72-24-Y

Model	Color temp. Wave lengths	LM/M	Power/M	CRI (Ra)	FPC copper
ES-FS5050WW-72-12-Y	2700K	1065LM	<17.2W	90+	3OZ
ES-FS5050WW-72-12-Y	3000K	1065LM	<17.2W	90+	3OZ
ES-FS5050NW-72-12-Y	4000K	1105LM	<17.2W	90+	3OZ
ES-FS5050NW-72-12-Y	5000K	1105LM	<17.2W	90+	3OZ
ES-FS5050PW-72-12-Y	6500K	1215LM	<17.2W	90+	3OZ
ES-FS5050R-72-12-Y	620-625 NM NM	---	<17.2W	---	3OZ
ES-FS5050Y-72-12-Y	585-590 NM NM	---	<17.2W	---	3OZ
ES-FS5050G-72-12-Y	517-522 NM NM	---	<17.2W	---	3OZ
ES-FS5050B-72-12-Y	465-470 NM NM	---	<17.2W	---	3OZ



Strip length: CE:500CM UL:13.12FT(12V) | 19.69FT(24V)



IP Rating:

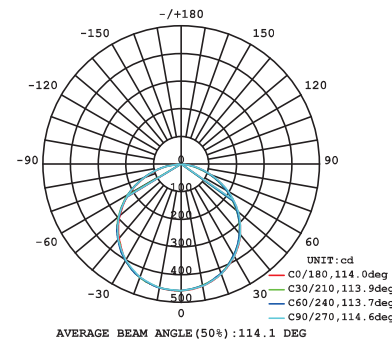
- IP20---Non waterproof
- IP54---Nano coated
- IP65---Silicon coated
- IP67---Silicon coated & Wrapped heat shrink tube
- IP67---Silicon extrusion
- IP67---Silicon tube(transparent)
- IP68---Silicon tube(transparent) & Inject silicon glue

AL. profiles (mm)

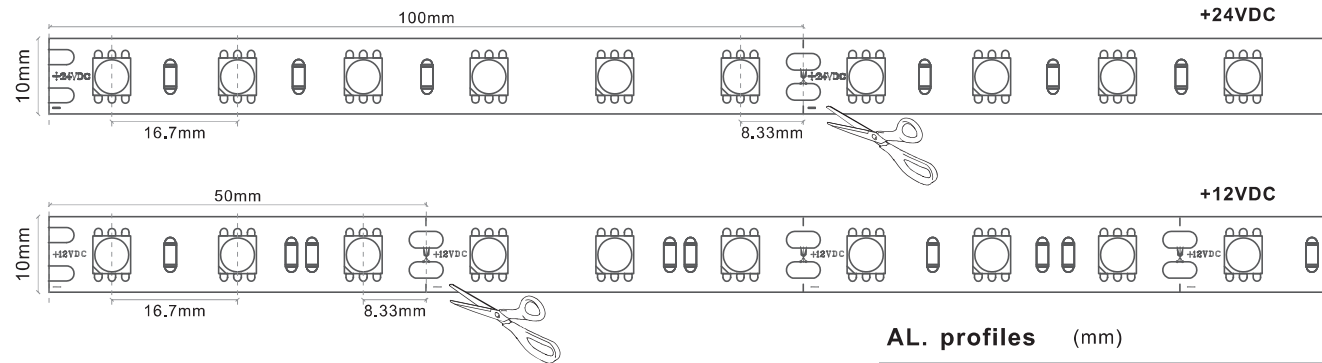
ES-LL017009	ES-LL024011	ES-LL017015	ES-LL013006
ES-LL023009	ES-LL030011	ES-LL023015	ES-LL013012
ES-LL016016	ES-LL020020-1	ES-LL016015	ES-LL025025
ES-LL030030	ES-LL010015	ES-LL020020	
ES-LL018018		ES-LL010010	

Part Number: EST-FS5050C-60-24-Y
Part Number: EST-FS5050C-60-12-Y

Model	Color temp. Wave Lengths	LM/M	Power/M	CRI (Ra)	FPC copper
ES-FS5050WW-60-24-Y	2700K	1035LM	<14.4W	90+	3OZ
ES-FS5050WW-60-24-Y	3000K	1035LM	<14.4W	90+	3OZ
ES-FS5050NW-60-24-Y	4000K	1065LM	<14.4W	90+	3OZ
ES-FS5050NW-60-24-Y	5000K	1065LM	<14.4W	90+	3OZ
ES-FS5050PW-60-24-Y	6500K	1093LM	<14.4W	90+	3OZ
ES-FS5050R-60-24-Y	620-625 NM NM	---	<14.4W	---	3OZ
ES-FS5050Y-60-24-Y	585-590 NM NM	---	<14.4W	---	3OZ
ES-FS5050G-60-24-Y	517-522 NM NM	---	<14.4W	---	3OZ
ES-FS5050B-60-24-Y	465-470 NM NM	---	<14.4W	---	3OZ



Strip length: CE:500CM UL:22.63FT(24V) | 13.12FT(12V)

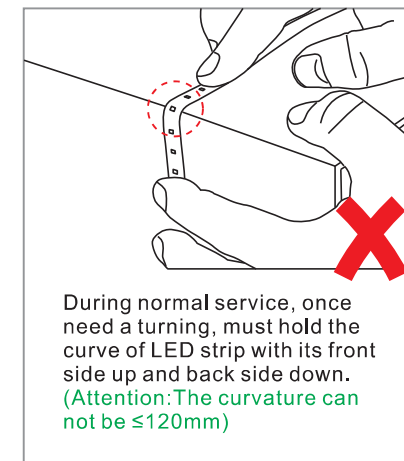
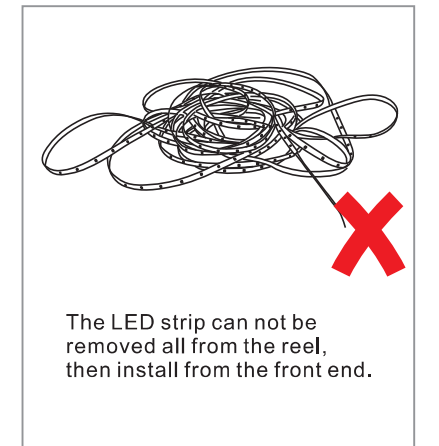
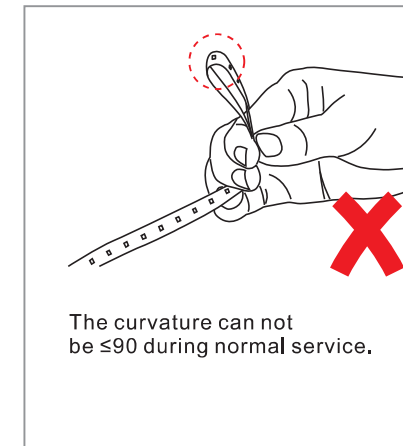
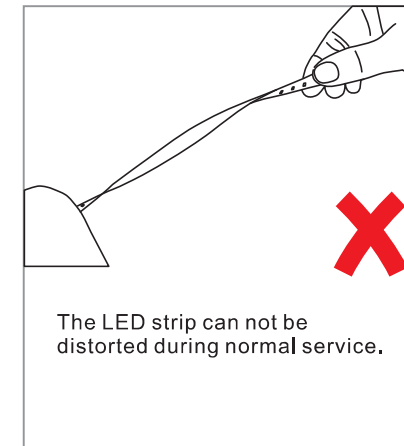
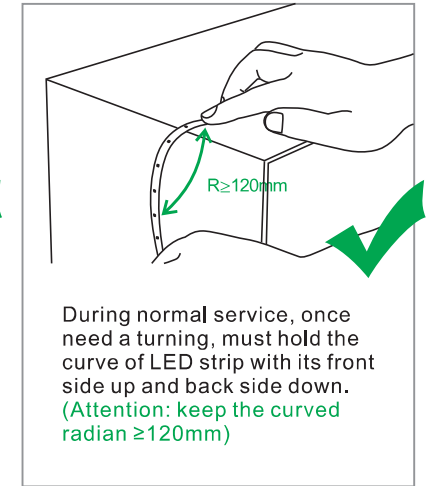
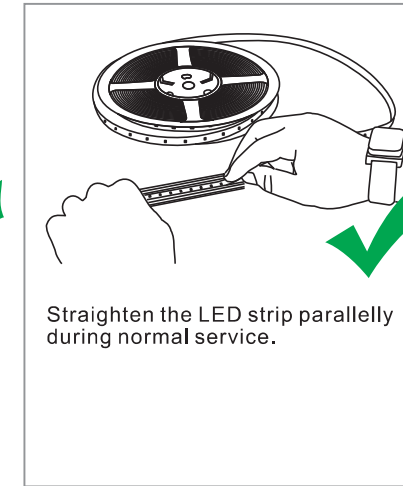
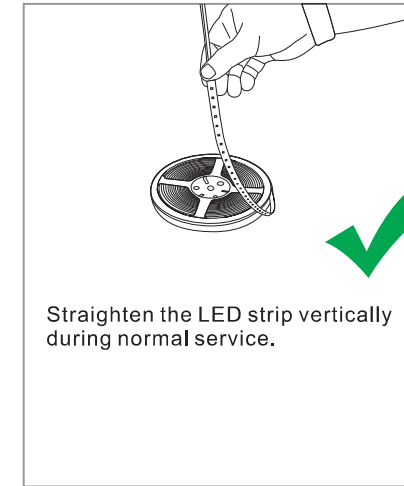


IP Rating:

- IP20---Non waterproof
- IP54---Nano coated
- IP65---Silicon coated
- IP67---Silicon coated & Wrapped heat shrink tube
- IP67---Silicon extrusion
- IP67---Silicon tube(transparent)
- IP68---Silicon tube(transparent) & Inject silicon glue

AL. profiles (mm)

⚠ Cautions:



- Do not connect the low voltage LED Tape Light 12V or 24V directly to 220V. In this case, the LEDs will be instantly destroyed!
- If LED Tape Light with cables on both sides, please attention: when connect one side to the driver, make sure the other side cables (negative and positive) stay disconnected. Otherwise, the LED Tape Light will be in short circuit and increase risk of damaging the LED Tape Light.
- LED Tape Light is electrostatic and sensitive device, please wear the anti-static wrist strap or the anti-static glove when touch or use it.