



- Color change and mixing implemented by controller coding
- LED density 12pixels per meter
- SPI control IC-UCS2904B

### Technical details

<b>Product No.</b>	<b>A41SPIN12RW3</b>
Led Q.ty (LEDs/m)	84
Led Type	5050
Power (W/m)	12
Voltage (V)	24 ±3%
Current (mA/m)	500
CRI (Ra)	≥ 80
Lenght/Reel (m)	5
Water-proof rating	IP67
Beam angle	120°

Non-directional or directional light source:	Non-directional (NDLS)
Mains or non-mains light source:	Non-mains (NMLS)
Dimmable:	Only with specific LED drivers
Cables type:	4x0,5mm <sup>2</sup> grey (double ended)
Pcb material:	COPPER
Protection against electric shock:	Class III
Version:	Integral
Safety isolating:	See electronic controlgear
Lumen maintenance factor:	96%
Survival factor:	100%
Nominal lifetime LM-80:	L70 B50 >54000 h
Photobiological Safety (Blue light hazard) according to IEC TR 627778:	Risk Exempt (RG0 group)

## LED STRIPS – NEON – SPI DIGITAL – RGB+W – IP67

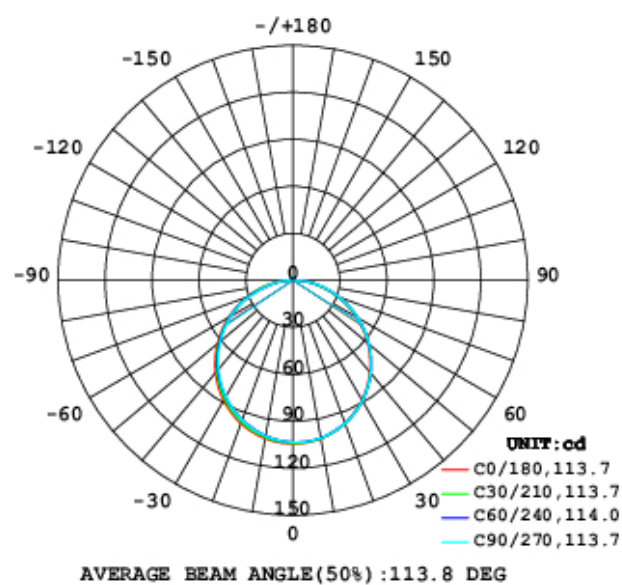
### Lumens per meter

Color Temperature	A41SPIN12RW3
WHITE 3000K	180 lm
RED	60 lm
GREEN	190 lm
BLUE	45 lm
RGB+W	800 lm

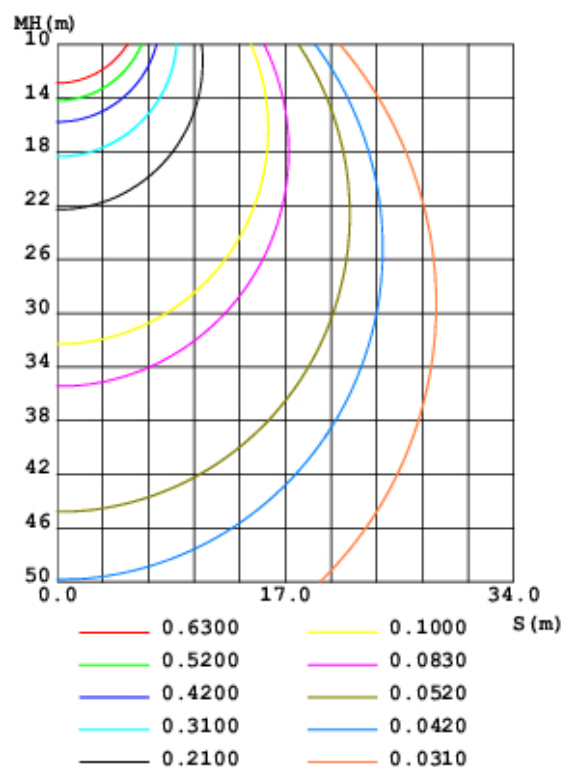
● Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

### Light distribution

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



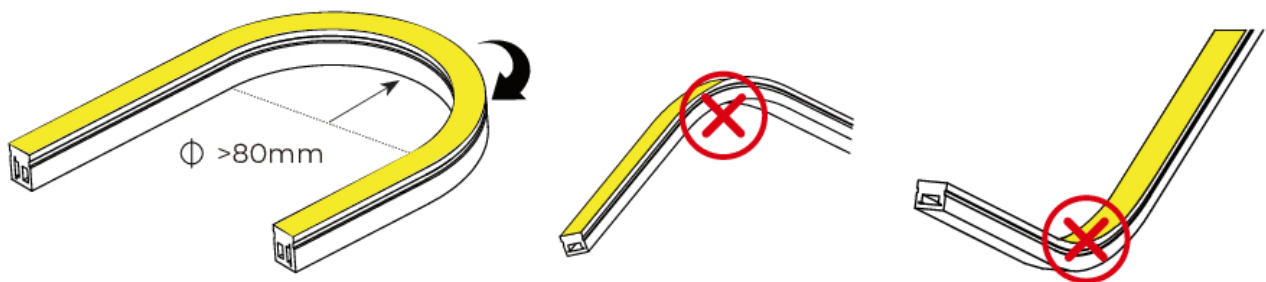
### Working conditions

Working Temperature (°C)	-25 ÷ 60
Storage Temperature (°C)	-30 ÷ 80
Voltage Range (V dc)	23 ÷ 25
Reverse Voltage (V dc)	25
Reference temperature (Tc)	80° C

Dimensions and cutting



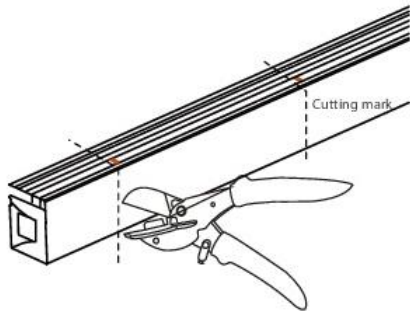
Correct bending way



## Installation

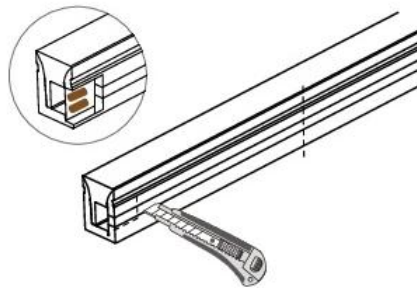
### Cutting

- ① Cut the NEON strip at the required length



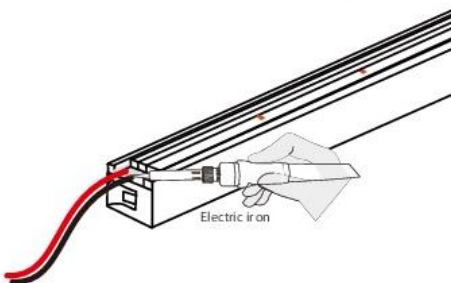
⚠ Cut at cutting mark only

- ② Cut the side of NEON strip exposing the soldering pad

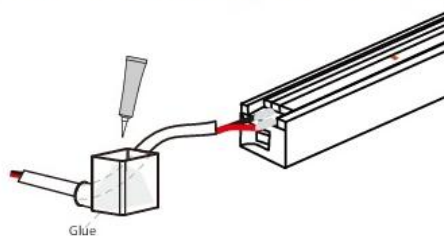


### Soldering

- ① Solder cable wires on pcb pads



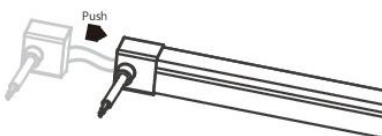
- ② Put the wire through the end cap and inject glue



⚠ Optimum glue quantity between 1/3-1/2 of end cap capacity

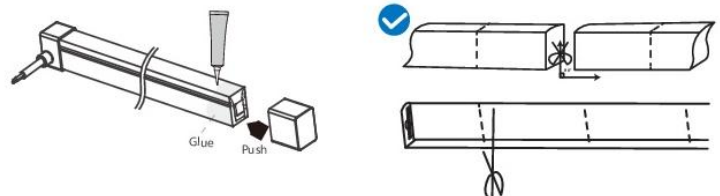
### Installing end cap

- ① Push the end cap and wrap it around end of NEON strip



After the glue is injected, the NEON strip needs to be laid flat for 2 hours minimum before further processing

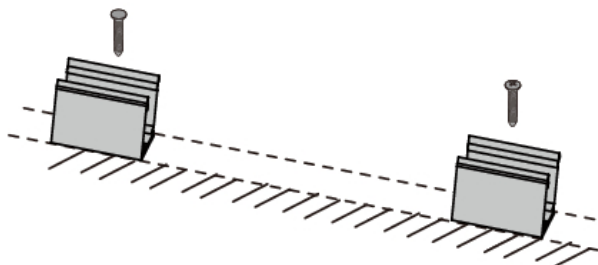
- ② Apply gel around the tail of NEON strip and install the end cap



⚠ After the glue is injected, the NEON strip needs to be laid flat for 2 hours minimum before project process. Glue will be completely dry after 24 hours.

### Clip or aluminum profile

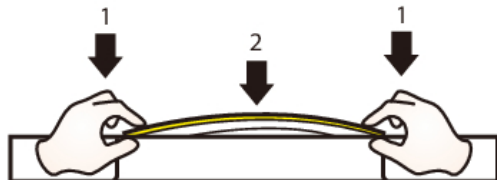
Fix the clips and the aluminum profile using the screws



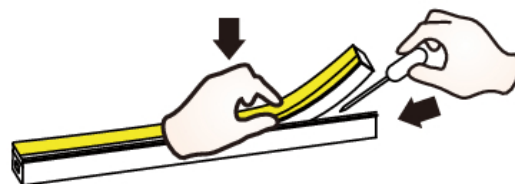
⚠ Suggestion: 2 clips per meter

### NEON strip

Simultaneously install the NEON strip from both ends



Use appropriate tools when removing the NEON strip







### Product weight / 5m reel

A41SPIN12RW3	1300 gr.
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Accessories (supplied with the reel)

A41KITSPIN00

	Front cap with hole (x 2)
	End cap without hole (x 4)
	Screw (x 10)
	Glue + glue nozzle (x 2)