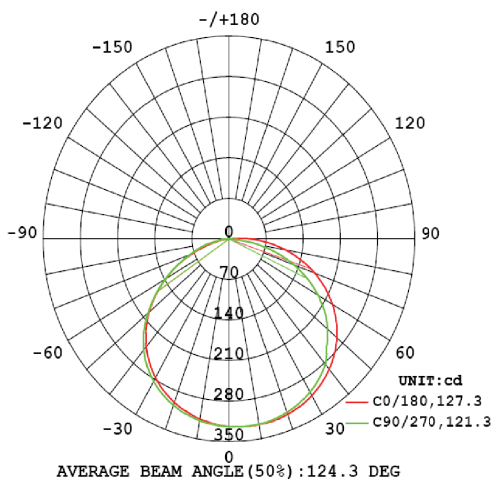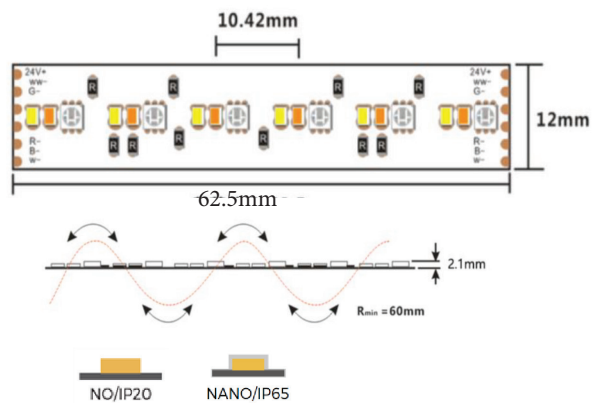# LEDsGO®

13-20002765 RGBTW - LEDFLEX IN RGB/TW 5M

General Discription:

- 5 colours mixture design, more uniform light
- 65536 colors can be achieved at the highestlevel
- High quality FPC, high thermal 3M adhesive
- Ta: -25~40℃;Tc: 75℃(max)

1. Dimension:

※Max.length： 5000mm

Cutting unit： 18leds/62.5mm

LED pitch： 10.42mm

Min. bend diameter： Φ60mm

Mounting： 3M tape

IP： IP20/IP65

※Warranty： 3years

10.42mm

12mm

62.5mm

2.1mm

$R_{min} = 60mm$

NO/IP20   NANO/IP65

UNIT:cd

C0/180,127.3

C90/270,121.3

AVERAGE BEAM ANGLE(50%) :124.3 DEG

Photometric of 1M strip

Height	Eavg,Emax		Diameter
1m	80.66,324.21x		355.35cm
2m	20.16,81.061x		710.69cm
3m	8.962,36.031x		1066.04cm
4m	5.041,20.271x		1421.39cm
5m	3.226,12.971x		1776.74cm
6m	2.240,9.0071x		2132.08cm
7m	1.646,6.6171x		2487.43cm
8m	1.260,5.0661x		2842.78cm
9m	0.9958,4.0031x		3198.13cm
10m	0.8066,3.2421x		3553.47cm
		Angle:121.26deg	

※Max.length data is based on 10% voltage drop

※Warranty is based on indoor use

c UL us LISTED E498657   CE   RoHS   ISO 9001

2. Electronic & output data :

Input voltage : DC24V		Rated current : 0.73A(1m) /3.2A(5m)	
Typical Powe : 17.5W(1m) /76.8W(5m)		CRI : >0	
Max.power : 19.2 W		On-off times : 10000 (test times)	
Power range : 15.9~19.2W		Copper foil : 2oz	

CRI	Color	Wavelength	Lumen(lm)	lm/W	Energy efficiency class
>90	SW	2700K	287	71	/
>90	W	6000K	334	83	/
0	Red	625	36	21	/
0	Green	525	144	69	/
0	Blue	470	31	16	/
0	RGBSWW	/	820	/	/

1.The tolerance of output data can be vary up to 15%

2.the output data tested according to IES TM-30-15

3.the output data is based on IP20/1merter, data of 5m in only for reference

4.IP protection process leads changes to size, CCT and luminous flux

▼IP Process

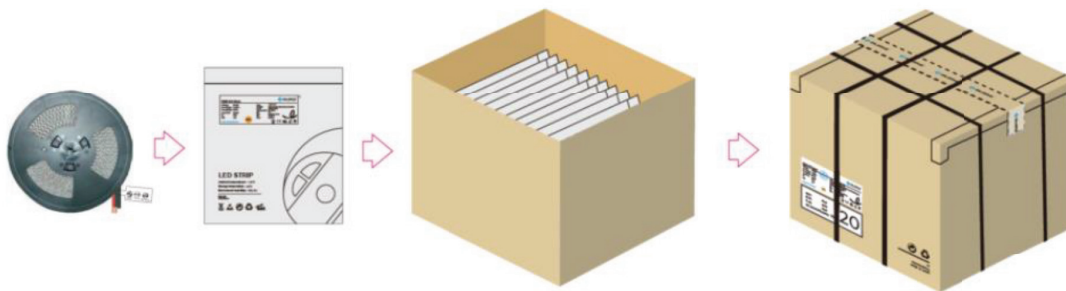| IP Process	Picture	description	Size	optional CCT/color for finished product	lumen output rate
NO	NO/IP20	No proof	12mm*2.1mm	RGBSWW	100%
NA	NANO/IP65	Nano-proof	12mm*2.1mm	RGBSWW	98%

3. Power Supply

This LEDFlex has a power of 17,5W/m. The following table shows how many meters LEDFlex you can connect to one power supply.

rated power	Power supply 35W 24V	Power supply 60W 24V	Power supply 100W 24V	Power supply 150W 24V	Power supply 240W 24V	Power supply 320W 24V
LEDFlex 17,5W/m	1,6m	2,7m	4,6m	6,9m	11m	14,6m

4. Package :

20 mounting brackets are also provided in the package.

5. Precautions :

※ Please drive the led strip with 24VDC isolated power, and the ripple of the constant voltage source should be less than 5%.

※ Please do not bend the strip into an arc with a diameter less than 60mm to ensure the longevity and reliability.

※ Do not fold it in case any damage of LED beads.

※ Do not pull the power wire hard to ensure the longevity. Any Crash may damage the LED light is prohibited.

※ Please make sure the wire is connected to the anode and cathode correctly. The power output should be consistent with the voltage of the strip to avoid damage.

※ LED lights should be stored in dry, sealed environment. Please only unpack it before usage. Ambient temperature: -25℃~40℃.Storage temperature: 0℃~60℃.Please use the strips without waterproof within indoor environment with humidity less than 70%.

※ Please be careful during operation. Do not touch the AC power supply in case of electric shock.

※ Please leave at least 20% power for the power supply during using to ensure there is enough power supply to drive the product.

※ Do not use any acid or alkaline adhesives to fix the product (e.g.: glass cement).