

Specification

DS554RGB-48V-12mm



▼General description

- 40m long strip driven by one end power supply with the same brightness from end to end
- Strips is of lower current with 48V input, better for longer wire connection
- Ultra long application with less power feed joint, high cost efficiency for project system
- With life span over 36000H
- Ta: -25~40°C; Tc: 75°C (max)



▼Dimension

※Max.length: 40000mm(131.2 ')

Cutting unit: 9leds/166.66mm(6.56 ")

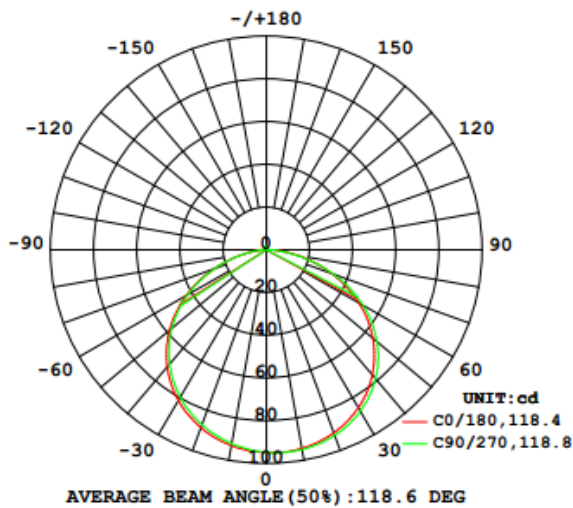
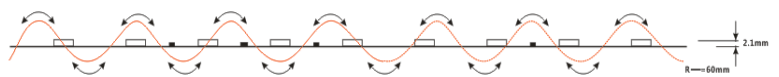
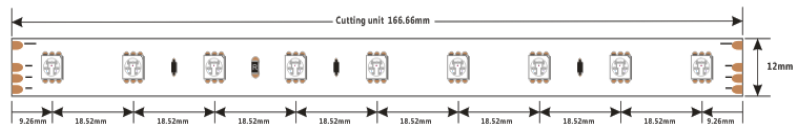
LED pitch: 18.52mm(0.73 ")

Min. bend diameter: Φ60mm(2.36 ")

Mounting: 3M tape

IP: IP20/IP65/IP67

※Warranty: 5years



Photometric of 1M strip

Height	Eavg, Emax	Angle: 118.44deg	Diameter
1m	23.98, 94.911x		335.76cm
2m	5.995, 23.731x		671.52cm
3m	2.664, 10.551x		1007.29cm
4m	1.499, 5.9321x		1343.05cm
5m	0.9592, 3.7961x		1678.81cm
6m	0.6661, 2.6361x		2014.57cm
7m	0.4894, 1.9371x		2350.34cm
8m	0.3747, 1.4831x		2686.10cm
9m	0.2960, 1.1721x		3021.86cm
10m	0.2398, 0.94911x		3357.62cm

AAI Figure

※Max.length data is based on no current difference from end to end

※Warranty is based on indoor use

Silicone end cap set		94-02-00-0023	including end cap and plug,suitable for 12mm FPC,EH/ET/EF silicone extrusion strip
Stopper glue		94-16-03010001	Silicone gel,suitable for IP65 and IP67 LED strip
DC48V Switching power supply (non-waterproof)		22-01-00-0248	MODEL: SE-600-48 Input :90-132Vac/180-264Vac(Switch changing)
DC48V Waterproof electronic LED driver		22-01-00-0249	MODEL: HLG-600H-48A
controller		23-01-00-0054	MODEL: V4-X\RGBW/RGB/CCT Multifunctional dimming controller\Vin: 12-48VDC\lin: 20.5A@36/48V\Vout: 4x(12-48)VDC\Iout: 4x5A@36/48V\The factory defaults to rgbw mode\ Press Match key 15 seconds to switch to rgb mode\Press Match key 10 seconds to switch to rgbw mode
remote controller		23-02-00-0010	MODEL: RT4\RGBW/RGB multi-function remote controller\Matching controller V4-X

1.It is recommended to use the recommended solderless terminal.

2.It is recommended to use the recommended DC48V Switching power supply、 controller and remote controller.

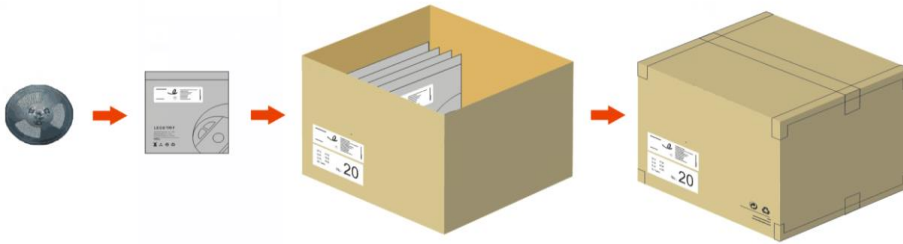
▼ Order Code Formats

1: Category		2: LED		3: LED/m		4: Voltage		5:FPC Width		6: IP Process		7: CRI		8: CCT	
DS	-	5	5050	54	54 LED	48	48V	12	12mm	NO	NO	0	RGB	RGB	RGB
										NA	NANO				
										ET	Extrusion tube				
DS	-	5		54		48		12		NO		0		RGB	
9: Silk Printing		10: Entry cable		11: Wire type		12: Wire length		13: Tape type		14: Label Type		15: Strip Length			
N	Neutral	S	Single	A	red and black cable	012	12cm	W	White 3M	C	COLORS	0500	5m		
C	COLORS	D	Double	B	SM-male wire	020	20cm	Y	Yellow 3M	S	Customized	4000	40m		
S	Customized	X	Nothing	C	SM-female wire	050	50cm	R	Red tape						
				X	Nothing	100	100cm	X	Nothing						
						0	Nothing								
N		D		A		012		W		C		0			

DS5544812NO-0RGBNDA012WC4000

▼ Packing

General customized package

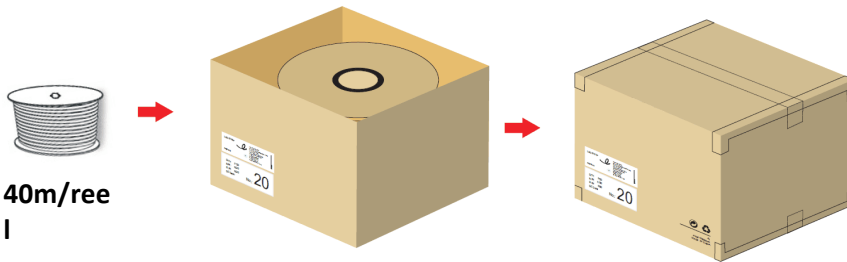


IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box (kg)	Gross weight (kg)	Package size (cm)
NO	40000*12*2.1	40	400	1.355	13.55	14.9	41*41*26
NA	40000*12*2.1	40	400	1.362	13.62	15	41*41*26

Remark: data with 10% tolerance

Engineering packaging of ET(IP67)

(free-soldering end caps with 40 cover per box could be ordered separately if needed)



IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box (kg)	Gross weight (kg)	Package size (cm)
ET	40000*14*4.8	40	80	4.046	8.092	8.557	25.5*25.5*26

Remark: data with 10% tolerance

▼Precautions

- ※ Please drive the led strip with 48VDC 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°C~40°C.Storage temperature: 0°C~60°C.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).