



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 ")

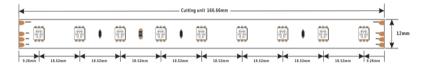
LED pitch: 18.52mm(0.73 ")

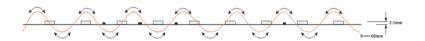
Min. bend diameter: Φ60mm(2.36 ")

Mounting: 3M tape

IP: IP20/IP65/IP67

*Warranty: 5years

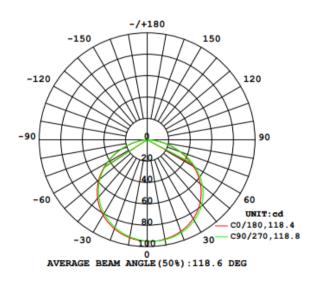






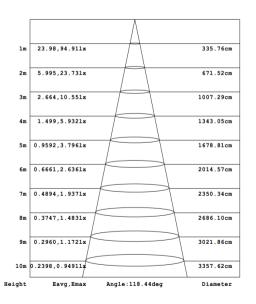






Photometric of 1M strip

*Warranty is based on indoor use



AAI Figure



▼Electronic & output data

Input voltage: DC48V Rated current: 0.21A(1m) /8.4A(40m)

Typical Powe: 10W(1m) /400W(40m) CRI: /

Max.power: 11.2W On-off times: 10000 (test times)

Power range: 8.6 ~ 11.2W Copper foil: 4oz

CRI	Color	CCT/λd	Lumen(lm)	lm/W	Energy efficiency class
/	R	620-625nm	70	22	/
/	G	525-530nm	195	60	/
/	В	465-470nm	42	13	/
/	RGB	/	300	31	/

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

▼IP Process

IP Process	Picture	description Size		optional CCT/color for finished product	lumen output rate
NO	NO/IP20	No proof	12mm*2.1mm	/	100%
NA	NANO/IP65	Nano-proof	12mm*2.1mm	/	98%
ET	ET/IP67	Extrusion tube	14mm*4.8mm	/	88%

▼Accessories Information

Name	Picture	Code	description
Connector for wire and FPC		94-03-00-0039	FPC with 12mm width,connector of wire and FPC,suitable for IP20 RGBW strip,18-22AWG
Connector for FPC and FPC		94-03-00-0043	FPC with 12mm width,connector of FPC and FPC,suitable for IP20 RGBW strip,18-22AWG
Fixed Clip	11	94-02-00-0004	Silicone clip,suitable for 12mm FPC,IP65, IP67 waterproof strip,screw:PA 3*8mm
Fixed Clip		94-02-00-0019	Fixed clip,12mmFPC,IP20,transparent, 3*8mm self-tapping screws
Mounting clip		94-02-00-0026	Transparent PVC mounting groove size:1000*16.2*9.5mm,suitable for 12mm FPC silicone extruded ET/EF strip

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

^{3.}the output data is based on IP20/1merter, data of 40m in only for reference

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





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	Marie Control of the	22-01-00-0249	MODEL: HLG-600H-48A
controller	Cent.	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\lout: 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.

▼Order Code Formats

	Olaci C							
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 NA NANO ET Extrusion tube	0 RGB	RGB RGB
DS	-	5	54	48	12	NO	0	RGB
9:	Silk Printing	10: Entery cabl	ε 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 Doubel	B SM-male wire	020 20cm	Y Yellow 3M	S Customized	4000 40m	
S	Customized	X Nothing	C SM-temale wire	050 50cm	R Red tape			
			X Nothing	100 100cm	X Nothing			
				0 Nothing				
	N	D	Α	012	W	С	0	

DS5544812NO-0RGBNDA012WC4000

▼ Packing

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



General customized package

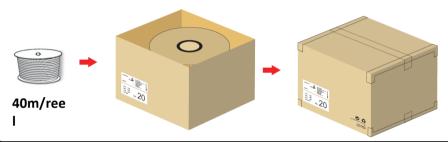


	IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box (kg)	Gross weight (kg)	Package size (cm)
I	NO	40000*12*2.1	40	400	1.355	13.55	14.9	41*41*26
	NA	40000*12*2.1	40	400	1.362	13.62	15	41*41*26

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.
- X Do not fold it in case any damage of LED beads.
- X 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).