

RGB+W Serie Specification

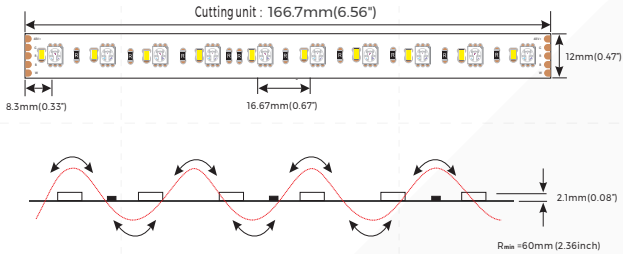
# D560RGBW

## 48V-12mm



## 【General description】

- RGBW colorful strip
- Widely adapted to various controllers
- High quality FPC, brand 3M tape
- One stop linear light source solution
- Ta: -25~40°C; Tc: 75°C (max)



## 【Dimension】

Input voltage: DC48V

CRI: /

Max.power: 19.2W(1m)

Power range: 15.1~19.2W(1m)

Rated current: 0.35A(1m) 5.25A(15m)

Typical Power: 16.8W(1m) 252W(15m)

IP: IP20/IP65/IP67

On-off times: 10000 (test times)

Warranty: 3years

(Warranty is based on indoor use)

Max.length: 15000mm(49.2')

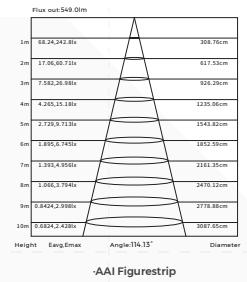
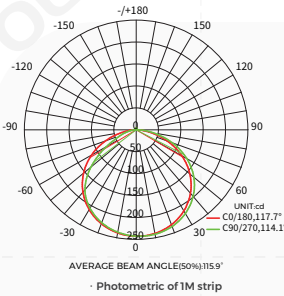
Cutting unit: 20leds/166.7mm(6.56")

LED pitch: 16.67m(0.66")

Min. bend diameter:  $\Phi$ 60mm(2.36")

Mounting: 3M tape

Copper foil: 3oz

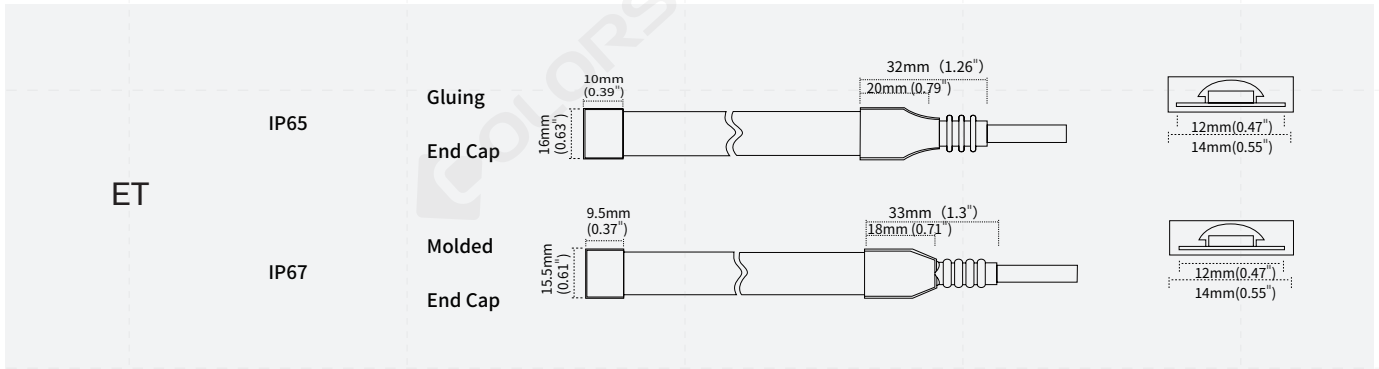


## 【Photo-electric Parameters】




CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
/	RGBSW	R:620-625nm G:520-525nm+2700K B:455-460nm	770	234	46	/
/	RGBWW	R:620-625nm G:520-525nm+3000K B:455-460nm	770	234	46	/
/	RGBNW	R:620-625nm G:520-525nm+4000K B:455-460nm	750	228	45	/
/	RGBW	R:620-625nm G:520-525nm+6000K B:455-460nm	800	243	48	/

- 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/Imertex, data of 15m in only for reference.
- 4.IP protection process leads changes to size, CCT and luminous flux.

## 【IP process information】










## 【Electronic & output data】

IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO		No proof	12mm*2.1mm	RGB+(2700K/3000K/4000K/6000K)	100%
NA		Nano-proof	12mm*2.1mm	RGB+(2700K/3000K/4000K/6000K)	98%
ET		Extrusion tube	14mm*4.8mm	RGB+(2700K/3000K/4000K/6000K)	88%




## 【Product Solutions】

• Connector Accessories

Name	Picture	Code	coding	description
Fixed Clip		94-02-00-0004	FSW12SA	Silicone clip, screw: PA 3*8mm, suitable for 12mm FPC,EF/ET strip
Silicone Plug Kit		94-02-00-0048	DT12EA-A	Silicone plug kit, suitable for 12mm board width, ET/EF series silicone extrusion light strip
Silicone stopper kit		94-02-00-0049	DW12EA-A	Silicone tail plug kit, suitable for 12mm board width, ET/EF series silicone extrusion light strip
Mounting groove		94-02-00-0026	CPT12EA-16100100	Transparent PVC mounting groove, suitable for 12mm FPC, silicone extruded EF/ET strip
Stopper glue		94-16-03010001	AS-PG-0003	Silicone gel, suitable for ET/EF/EG/ERG waterproof LED strip
Connector for wire and FPC		94-03-00-0039	TXB512-NOGA	12mm width, 5PIN connector of wire and FPC, suitable for RGBW color strip, NO/NA
Connector for FPC and FPC		94-03-00-0043	TBB512-NOGA	12mm width, 5PIN connector of FPC and FPC, suitable for RGBW color strip, NO/NA

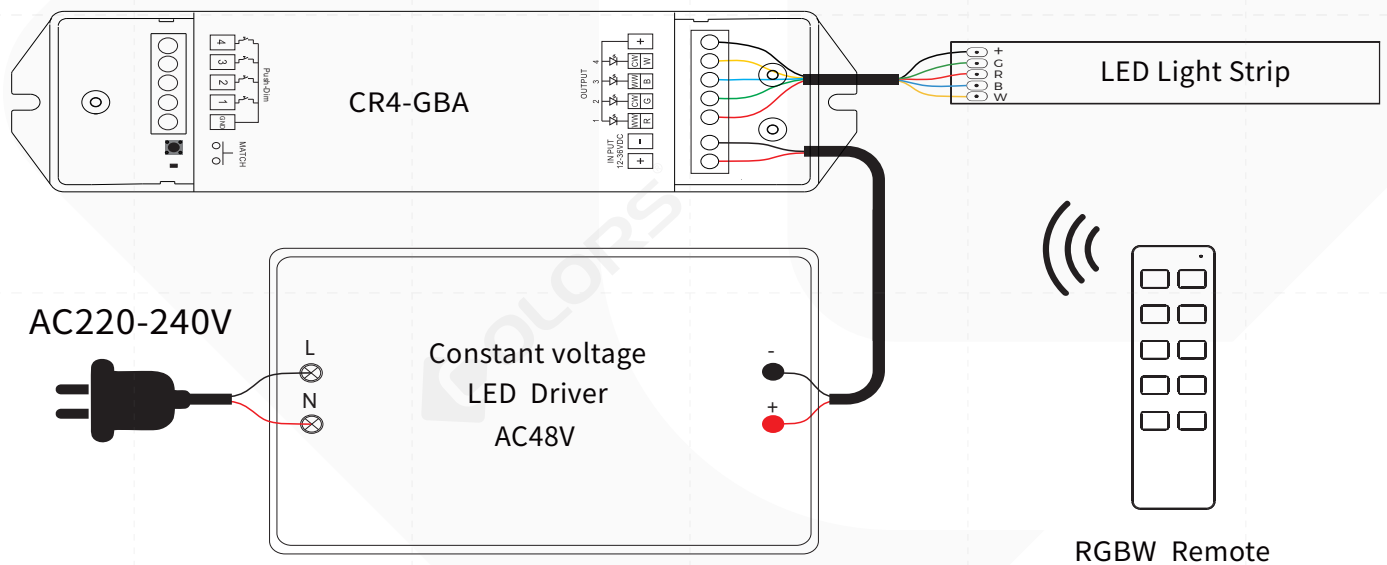
**[Product Solutions]**

· Controller & Power Supply

Product Image	Product Name	Product number	Order Code	Product Specifications	Applicable Products
	RGBW LED Strip Controller	CR4-GBA	402-01-000000-00004	Input voltage: 12-48VDC Max load current: 5A*4CH, Max 20A Max load power: 240W/480W @12V/24V 20W/960W@36V/48V Operating temperature: -30°C-55°C Product Size: L175*W45*H27(mm)	RGBW light strip (Use with CK4-GBA)
	RGBW Remote	CK4-GBA	402-02-000000-00003	Operating Voltage: 3VDC Working frequency: 2.4GHz Remote control distance: 30m Operating temperature: -30°C-55°C Product Size: L107*W58.5*H9(mm)	RGBW light strip (Use with CR3-GBA)
	Constant Voltage LED Driver	BN-V48-250P	401-01-000000-00006	Input voltage: 220-240V Output voltage: 48V Output Power: 0-250W Output current: 5.21A, PF>0.95 400×40×22mm, 5 years warranty.	48V light

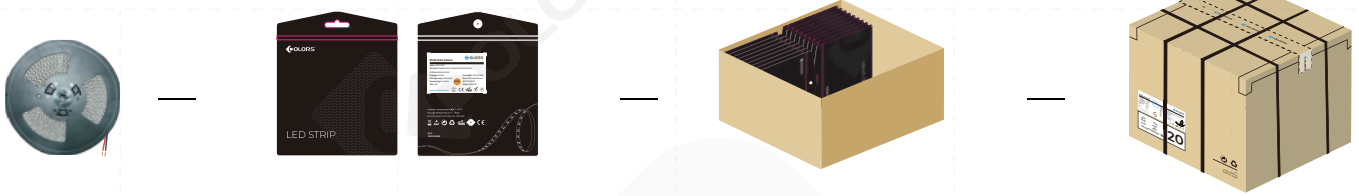
**[Product Solutions]**

· Wiring diagram

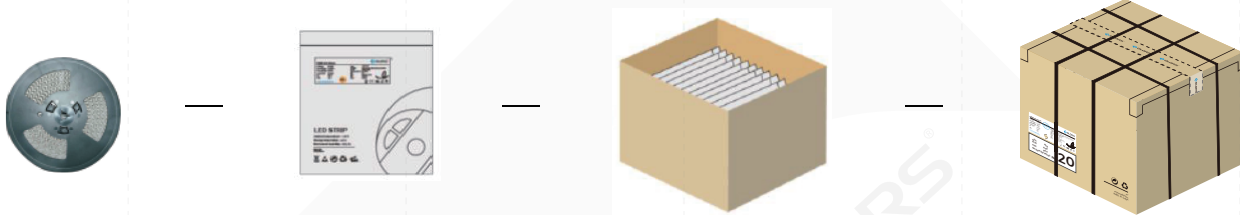


## 【Packing】

Colors brand package



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	15000*12*2.1	15	450	0.360	10.797	12.417	50*29*29
NA	15000*12*2.1	15	450	0.369	11.067	12.727	50*29*29
ET	15000*14*4.8	15	150	1.680	16.799	19.319	41*41*26

Remark: data with 10% tolerance

### · Engineering packaging of NO(IP20)/NA(IP65)



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	50000*12*2.1	50	650	1.20	15.6	17.94	41*41*26
NA	50000*12*2.1	50	650	1.23	15.99	18.38	41*41*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).
- Do not scratch the product when IP process of the product is NA. Ultraviolet rays will damage the nano-layers on the product and seriously affect the life of the product.