

CLASSIC Series Specification

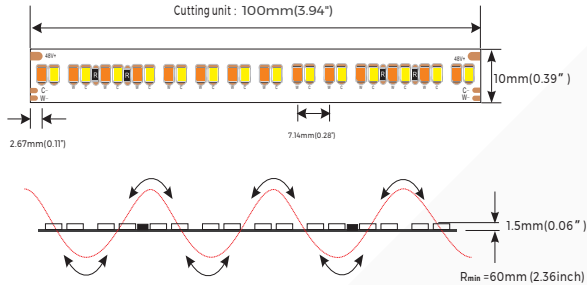
# D6280SWW

## 48V-10mm



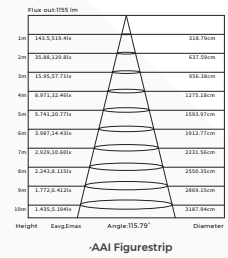
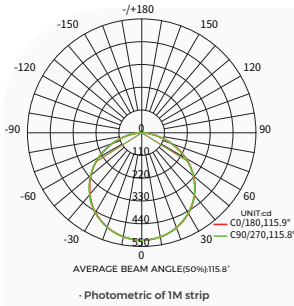
## 【General description】

- Three-wire dimmable color temperature, high-density light strip, widely matched with various controllers
- Ultra-thin thickness of 1.5mm, better matching profile
- With life span over 60000H
- Ta: -25-40°C; Tc: 75°C(max)
- UL/UACK/CE/ROHS/REACH certification



## 【Dimension】

Input voltage: DC48V	Max.length: 10000mm(32.8')
CRI: 90	Cutting unit: 28leds/100mm(3.94")
Max.power: 16.5W(1m)	LED pitch: 3.57m(0.14")
Power range: 13.5 ~ 16.5W(1m)	Min. bend diameter: Φ60mm(2.36")
Rated current: 0.31A(1m) 3.13A(10m)	Mounting: 3M tape
Typical Power: 15W(1m) 150W(10m)	Copper foil: 3oz
IP: IP20/IP65/IP67	
On-off times: 10000 (test times)	
Warranty: 5 years indoor / 3 years outdoor	

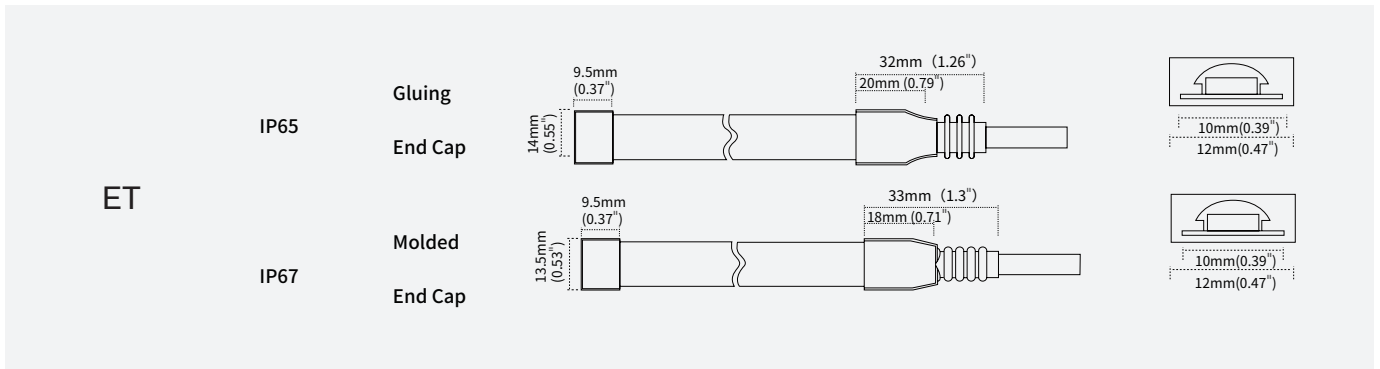


## 【Photo-electric Parameters】




CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
Ra>90	SW	2700K	740	226	100	/
Ra>90	W	6000K	860	262	116	/
Ra>90	SWW	2700K+6000K	1600	488	107	F

- 1.The tolerance of output data can be vary up to 10%.
- 2.the output data tested according to IES TM-30-15.
- 3.the output data is based on IP20/Imertex , data of 10m 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	10mm*1.5mm	2700K+6000K	100%
NA		Nano-proof	10mm*1.5mm	2700K+6000K	98%
ET		Extrusion tube	12mm*4.8mm	2700K+6000K	88%




## 【Product Solutions】

• Connector Accessories

Name	Picture	Code	coding	description
Fixed Clip		94-02-00-0003	FSW10SA	Silicone clip, screw: PA 3*8mm, suitable for 10mm FPC,EF/ET strip
Silicone Plug Kit		94-02-00-0046	DT10EA-A	Silicone plug kit is suitable for 10mm board width, ET/EF series silicone extrusion light strip
Silicone stopper kit		94-02-00-0047	DW10EA-A	Silicone tail plug kit is suitable for 10mm board width, ET/EF series silicone extrusion light strip
Mounting groove		94-02-00-0025	CVT10EA-14100100	Transparent PVC mounting groove,suitable for 10mm FPC,silicone extruded EF/ET strip
Stopper glue		94-16-03010001	AS-PG-0003	Silicone gel,suitable for ET/EF/EG waterproof LED strip

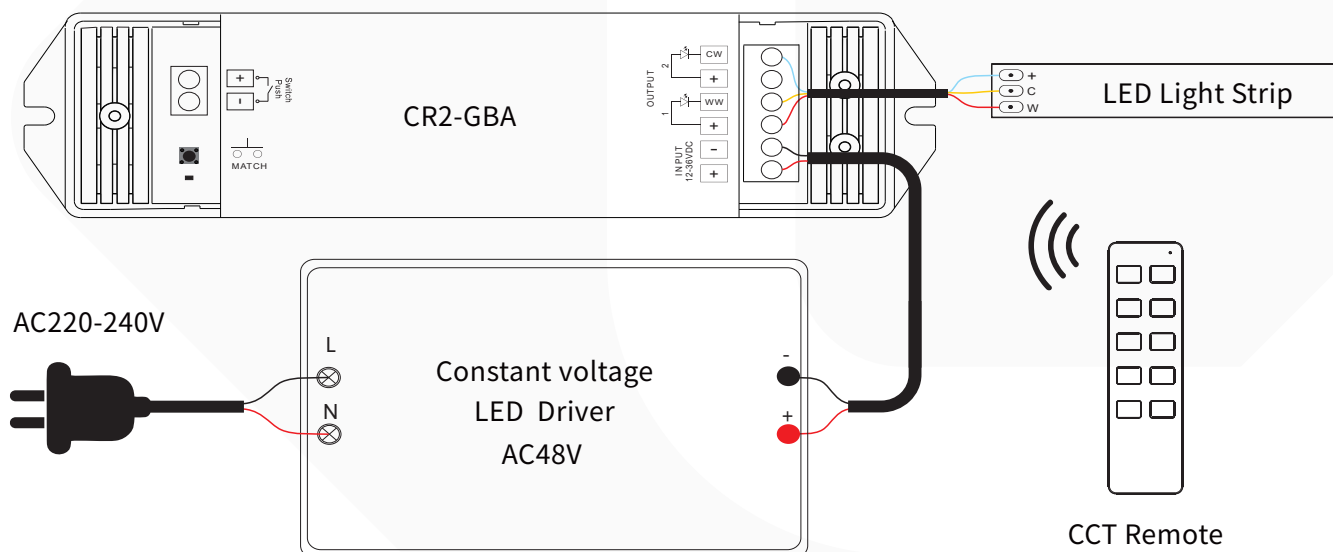
**[Product Solutions]**

· Controller & Power Supply

Product Image	Product Name	Product number	Order Code	Product Specifications	Applicable Products
	CCT LED Strip Controller	CR2-GBA	402-01-000000-00002	Input voltage: 12-48VDC Max load current: 8A*2CH, Max 16A Max load power: 192W/384W@12V/24V, 384W/576W@36V/48V. Operating temperature: -30°C-55°C Product Size: L170*W50*H23(mm)	CCT light strip (Use with CK2-GBA)
	CCT Remote	CK2-GBA	402-02-000000-00002	Operating Voltage: 3VDC (Battery CR2032) Working frequency: 2.4GHz Remote control distance: 30m Operating temperature: -30°C-55°C Product Size: L107*W58.5*H9(mm)	CCT light strip (Use with CR2-GBA)
	Constant Voltage LED Driver	BN-V48-150P	401-01-000000-00005	Input voltage: 220-24V Output voltage: 48V Output Power: 0-150W Output current: 3.125A, PF>0.95 350×30×18mm, 5 years warranty.	48V light

**[Product Solutions]**

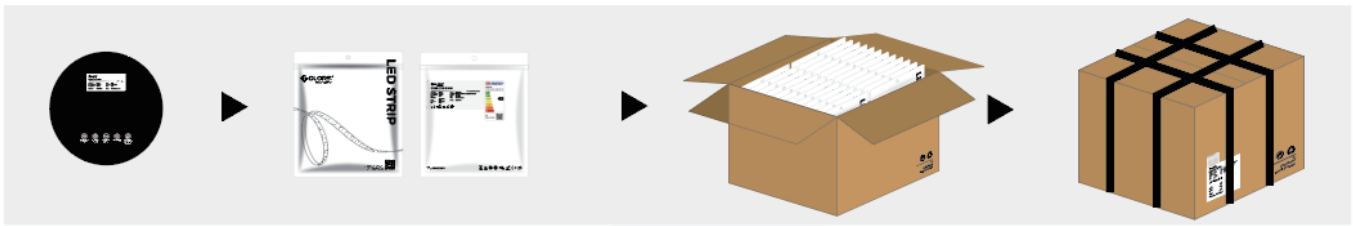
· Wiring diagram



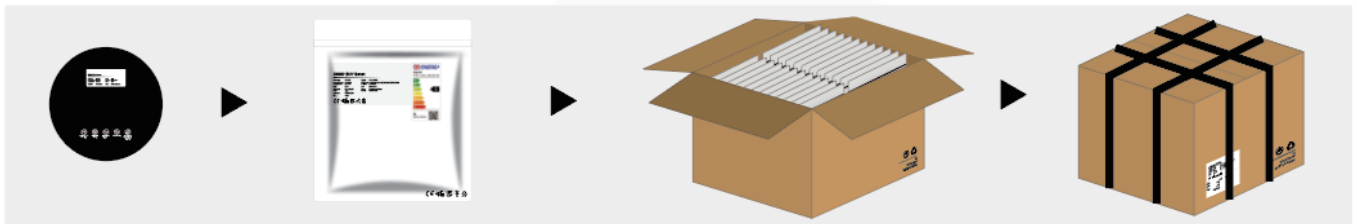
Note: This controller supports the Push function, and the 0-10V/Dall dimming function can be found in the EUCHIPS specification.

**【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	10000*10*1.5	10	500	0.164	8.175	9.4	41*41*26
NA	10000*10*1.5	10	500	0.169	8.475	9.75	41*41*26
ET	10000*12*4.8	10	300	0.586	17.57	20.2	50*29*29

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)



**· 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*10*1.5	50	650	0.818	10.63	12.22	41*41*26
NA	50000*10*1.5	50	650	0.848	11.02	12.67	41*41*26
ET	50000*12*4.8	50	100	2.93	5.86	6.73	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℃~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).
  - 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.
- \* When using dimmer and dimming power supplies like Triac, etc, conduct compatibility tests on the product, dimmers and power supplies to ensure full compatibility. If any issues arise, contact COLORS for technical support.