

CLASSIC Series Specification

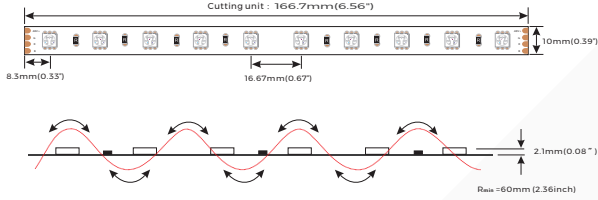
D560RGB

48V-10mm



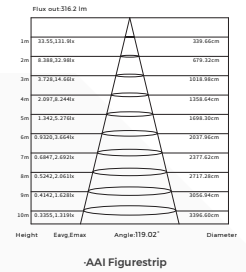
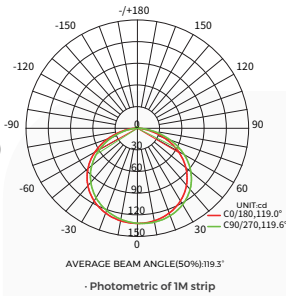
【General description】

- Single-ended power supply for 15m, Consistent luminance
- Large space for entertainment use
- One stop linear light source solution
- 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: 1500mm(49.2') |
| CRI: / | Cutting unit: 10eds/166.7mm(6.56") |
| Max.power: 14.4W(1m) | LED pitch: 16.67m(0.66") |
| Power range: 11.1~14.4W(1m) | Min. bend diameter: Φ60mm(2.36") |
| Rated current: 0.26A(1m) 3.91A(15m) | Mounting: 3M tape |
| Typical Power: 12.5W(1m) 187.5W(15m) | Copper foil: 3oz |
| IP: IP20/IP65/IP67 | |
| On-off times: 10000 (test times) | |
| Warranty: 5 years indoor / 3 years outdoor | |

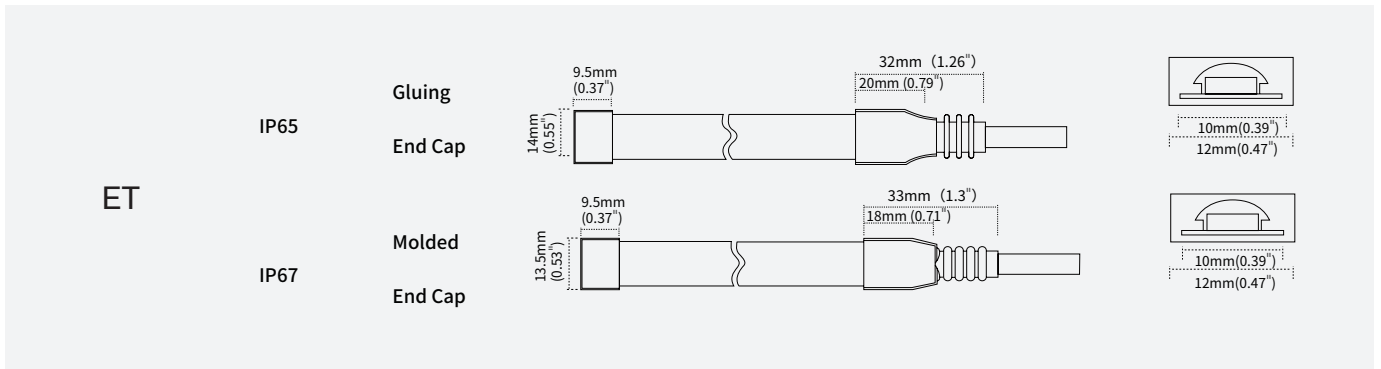


【Photo-electric Parameters】




CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
/	RGB	R:620-625nm G:520-525nm B:455-460nm	450	137	36	/

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

【IP process information】







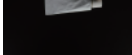


【Electronic & output data】

IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO	 NO/IP20	No proof	10mm*2.1mm	RGB	100%
NA	 NANO/IP65	Nano-proof	10mm*2.1mm	RGB	98%
ET	 ET/IP67	Extrusion tube	12mm*4.8mm	RGB	88%




【Product Solutions】

• Connector Accessories

Name	Picture	Code	coding	description
Connector for FPC and FPC		81-01-000002-000042	CBB410-NOTA	10MM-4P solder-free connector (board-to board)\ suitable for bare board 10mm width strip light
Connector for wire and FPC		81-01-000002-000043	CXB410-NOTA	10MM-4P solderless connector(wire to board)\ Compatible with 22AWG wire\22#(4A)\ Applicable to bare board 10mm width lamp strip
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

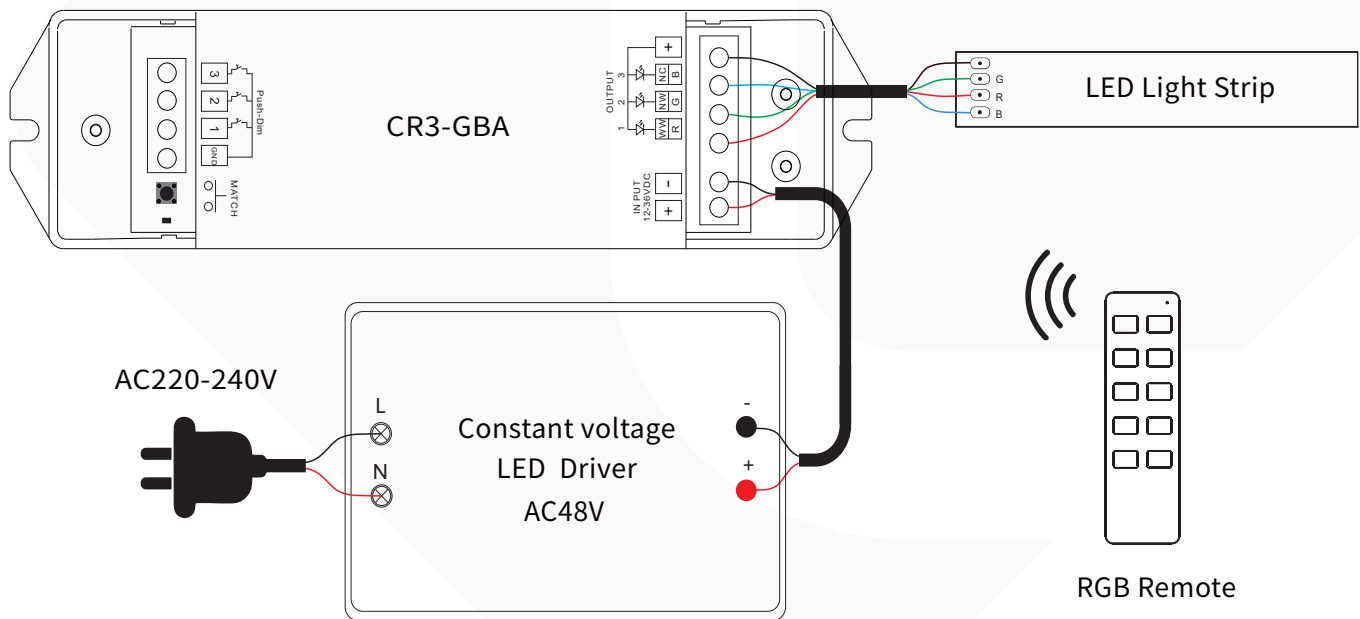
[Product Solutions]

· Controller & Power Supply

Product Image	Product Name	Product number	Order Code	Product Specifications	Applicable Products
	RGB LED Strip Controller	CR3-GBA	402-01-000000-00003	Input voltage:12-48VDC Max load current:6A*3CH,Max 18A Max load power:216W/432W @12V/24V, 648W/864@36V/48V, Operating temperature: -30°C-55°C Product Size:L175*W45*H27(mm)	RGB light strip (Use with CK4-GBA)
	RGB 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)	RGB 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

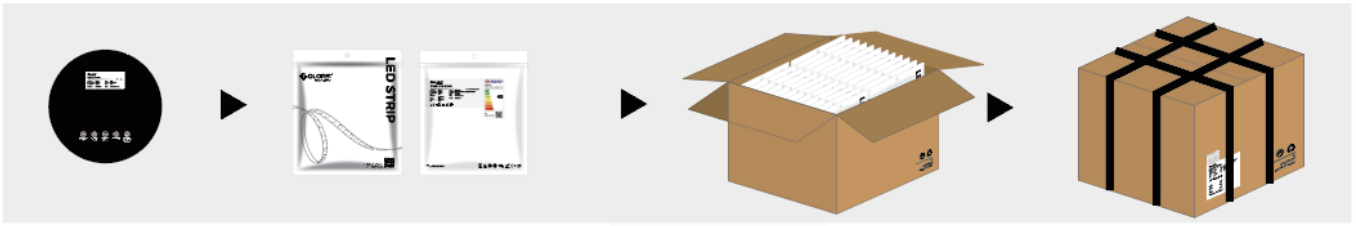
[Product Solutions]

· Wiring diagram

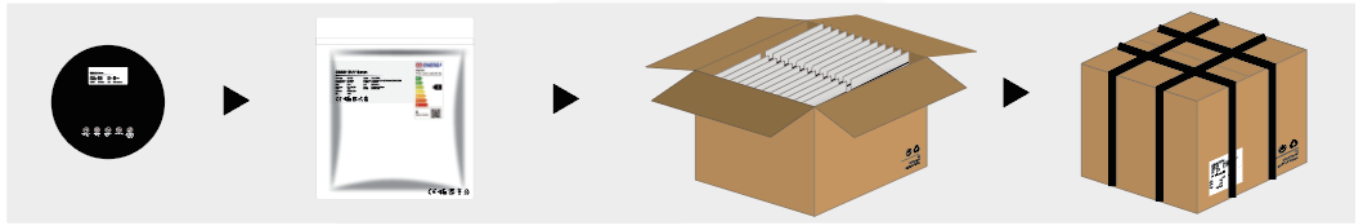


【Packing】

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*10*2.1	15	450	0.299	8.98	10.322	50*50*29
NA	15000*10*2.1	15	450	0.308	9.25	10.633	50*50*29
ET	15000*12*4.8	15	150	1.35	13.49	15.516	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)



· 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*2.1	50	650	0.997	12.97	14.91	41*41*26
NA	50000*10*2.1	50	650	1.027	13.36	15.36	41*41*26
ET	50000*12*4.8	50	100	4.497	8.99	10.34	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).
 - 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.