CSP LINEAR Series Specification

DP6RGBW

24V-12mm

E498657 UKCA CE RoHS Reach

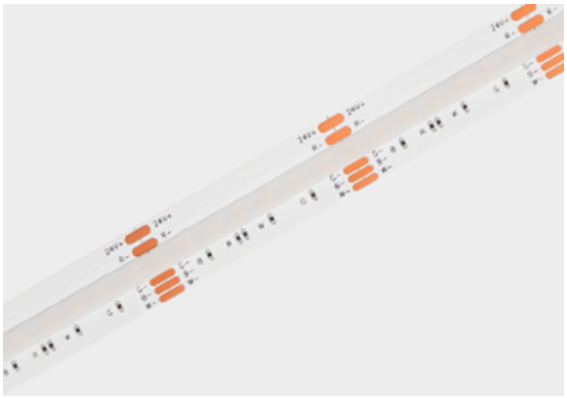
E-mail:colors@colorsled.com

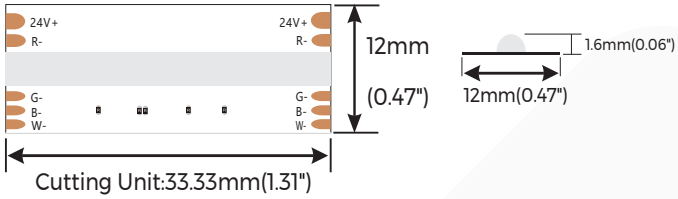
Version：A/01

www.colorsled.com

【General description】

- RGBW full color lights
- Large beam angle
- Widely adapted to various controllers
- High quality FPC, high thermal conductivity 3M glue
- Life longer than 60000H, Ta: -25~40℃; Tc: 75℃ (max)
- UL/UACK/CE/ROHS/REACH certification

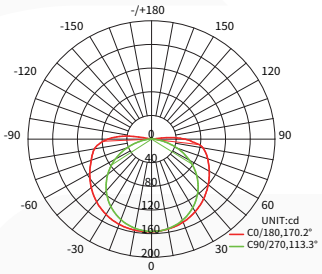




【Dimension】

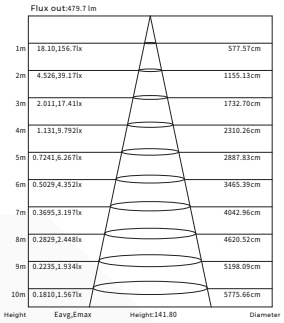
Input voltage: DC24V
CRI: /
Max.power: 18.5W(1m)
Power range: 15.1～18.5W(1m)
Rated current: 0.7A(1m) 3.06A(5m)
Typical Power: 16.8W(1m) 73.5W(5m)
IP: IP20/IP65/IP67
On-off times: 10000（test times）
Warranty: 5 years indoors / 5 years outdoors

Max.length: 5000mm(16.4')
Cutting unit: 33.3mm(1.31")
LED pitch: /
Min. bend diameter: Φ60mm(2.36")
Mounting: 3M tape
Copper foil: 2oz



AVERAGE BEAM ANGLE(50%):141.8°

· Photometric of 1M strip



·AAI Figurestrip

【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
/	RGBSW	RGB+2700K	990	299	59	/
/	RGBWW	RGB+3000K	990	299	59	/
/	RGBNW	RGB+4000K	1060	320	63	/
/	RGBW	RGB+6500K	1025	309	61	/

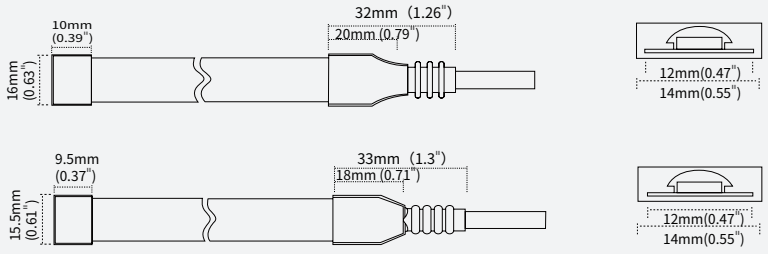
1.The tolerance of output data can be vary up to 10%.
2.the output data tested according to IES TM-30-15.
3.the output data is based on IP20/1merter，data of 5m in only for reference.
4.IP protection process leads changes to size, CCT and luminous flux.

【IP process information】

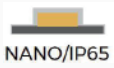
ET

IP65 — Gluing / End Cap

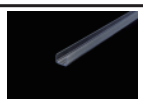
IP67 — Molded / End Cap



【Electronic & output data】

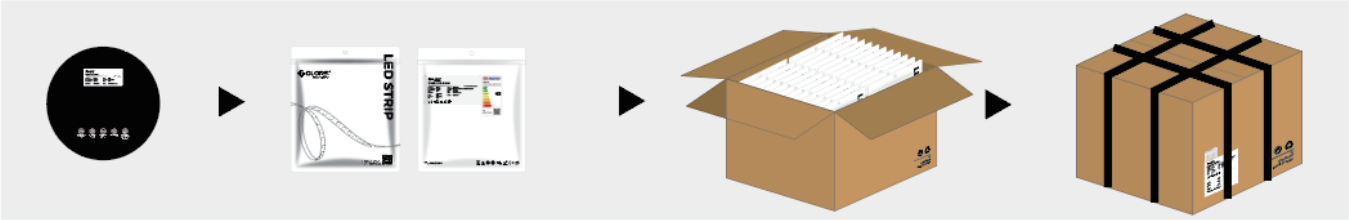
IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO		No proof	12mm*1.6mm	RGB+2700K/3000K/4000K/6000K	100%
NA		Nano-proof	12mm*1.6mm	RGB+2700K/3000K/4000K/6000K	98%
ET		Extrusion tube	14mm*4.8mm	RGB+2700K/3000K/4000K/6000K	88%

【Product Solutions】

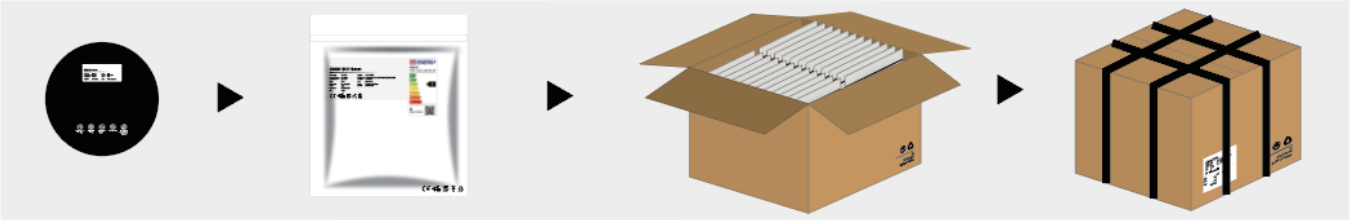
Name	Picture	Code	coding	description
Fixed Clip		94-02-00-0004	FSW12SA	Silicone clip, screw: PA 3*8mm, suitable for 12mm FPC,EF/ET strip
Silicone Plug Kit		94-02-00-0048	DT12EA-A	Silicone plug kit, suitable for 12mm board width, ET/EF series silicone extrusion light strip
Silicone stopper kit		94-02-00-0049	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

【Packing】

Colors brand package(NONA)



General customized package(ET)



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	5000*12*1.6	5	250	0.15	7.5	8.58	41*41*26
NA	5000*12*1.6	5	250	0.16	8	9.08	41*41*26
ET	5000*14*4.8	5	150	0.46	13.8	14.88	41*41*26

Remark：data with 10% tolerance

【Precautions】

- Please drive the led strip with 24VDC 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 processof the product is NA. Ultraviolet rays will damage the nano-layers on the product and seriously affect the life of the product.