COLORS
Linear Lighting

Toning Series Specification

DA696RGBSWW
24V-12mm

E-mail:colors@colorsled.com

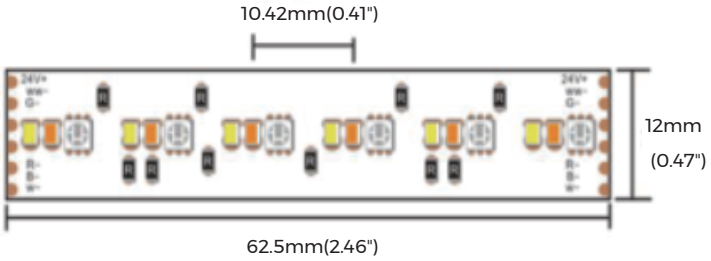
Version：A/01

www.colorsled.com

【General description】

· 5 colours mixture design, more uniform light
· 65536 colors can be achieved at the highest level
· High quality FPC, high thermal 3M adhesive
· Ta: -25~40℃; Tc：75℃（max）

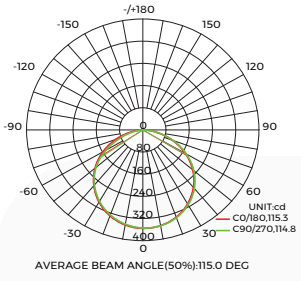




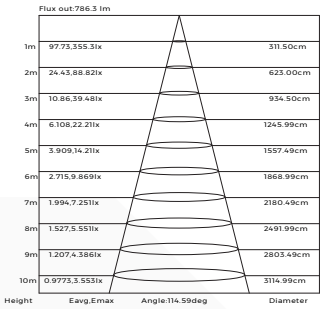
【Dimension】

Input voltage：DC24V
CRI：/
Max.power: 19.2W(1m)
Power range: 15.9～19.2W(1m)
Rated current：0.73A(1m) 3.2A(5m)
Typical Power：17.5W(1m) 76.8W(5m)
tape IP： IP20/IP65
On-off times: 10000（test times）
Warranty： 3years
(Warranty is based on indoor use)

Max.length： 5000mm(16.4')
Cutting unit：18leds/62.5mm(2.46")
LED pitch：10.42mm(0.41")
Min. bend diameter：Φ60mm(2.36")
Mounting： 3M tape
Copper foil: 2oz



AVERAGE BEAM ANGLE(50%):115.0 DEG
· Photometric of 1M strip



·AAI Figurestrip

【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
/	R	R:620-625nm	110	33	28	/
/	G	G:520-525nm	305	92	81	/
/	B	B:455-460nm	80	24	18	/
/	RGBSWW	/	1130	344	61	/
90	SW	2700K	315	96	87	G
90	W	6000K	345	105	95	F

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 IP20/1merter，data of 5m in only for reference.
4.IP protection process leads changes to size, CCT and luminous flux.

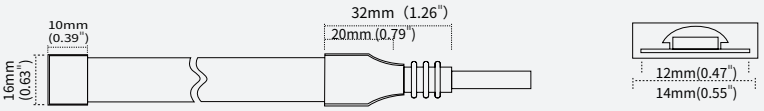
【IP process information】

ET

IP65

Gluing

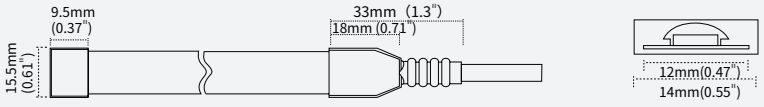
End Cap



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*2.1mm	RGBSWW	100%
NA		Nano-proof	12mm*2.1mm	RGBSWW	98%
ET		Extrusion tube	14mm*4.8mm	RGBSWW	88%

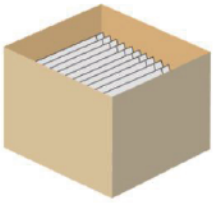
【Accessories Information】

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】

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	5000*12*2.1	5	250	0.18	9	10.35	41*41*26
NA	5000*12*2.1	5	250	0.183	9.15	10.523	41*41*26
ET	5000*14*4.8	5	150	0.56	16.8	19.32	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.