

Dedicated light source Specification

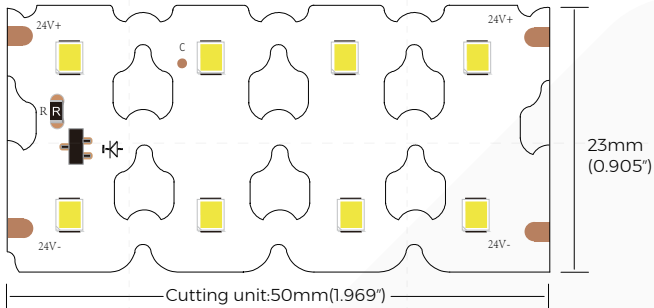
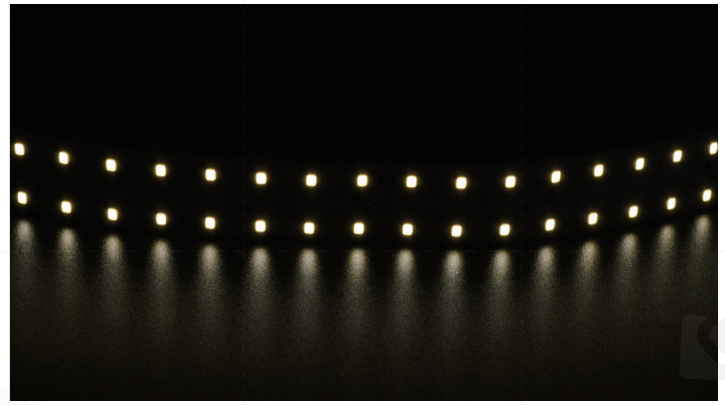
DS8160

24V-23mm



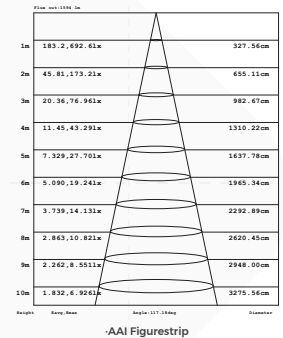
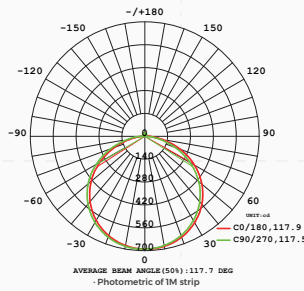
【General description】

- LUMILED 2835LED ,SCDM<3.
- Suitable for CS50xx/CS70xx.
- High quality FPC, high thermal 3M adhesive.
- Easy to bend, suitable for curved profiles of various angles.
- Ta: -25-40°C; Tc: 75°C(max)
- 5 years warranty.



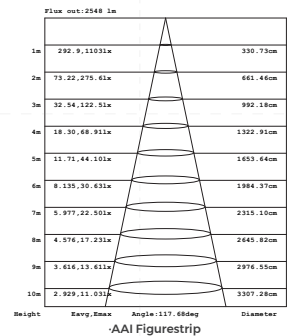
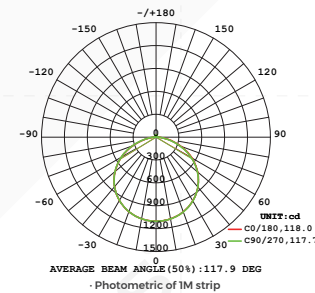
【Dimension-5M/REEL】

- Input voltage: DC24V
 CRI: 80&90
 Max.power: 15.8W/M
 Power range: 12.9 ~ 15.8W(1m)
 Rated current: 0.6A(1m) / 3A(5m)
 Typical Power: 14.4W(1m) / 72W(5m)
 tape IP: IP20
 On-off times: 10000 (test times)
 Warranty: 5 years
- Max.length: 5000mm(16.4')
 Cutting unit: 8leds/50mm(1.969")
 LED pitch: 12.5mm(0.49")
 Min. bend diameter: Φ60mm(2.36")
 Mounting: 3M tape
 Copper foil: 3oz



【Dimension-4M/REEL】

- Input voltage: DC24V
 CRI: 80&90
 Max.power: 26.4W/M
 Power range: 21.6 ~ 26.4W(1m)
 Rated current: 1A(1m) / 4A(4m)
 Typical Power: 24W(1m) / 96W(4m)
 tape IP: IP20
 On-off times: 10000 (test times)
 Warranty: 5 years
- Max.length: 4000mm(13.12')
 Cutting unit: 8leds/50mm(1.969")
 LED pitch: 12.5mm(0.49")
 Min. bend diameter: Φ60mm(2.36")
 Mounting: 3M tape
 Copper foil: 3oz



[Photo-electric Parameters]

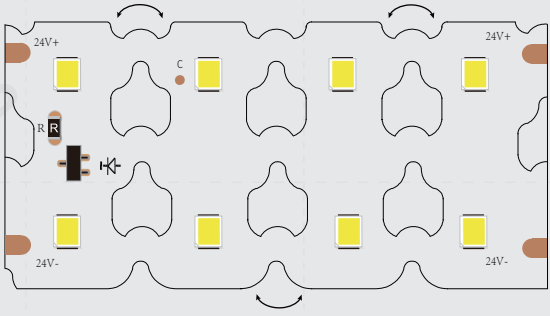
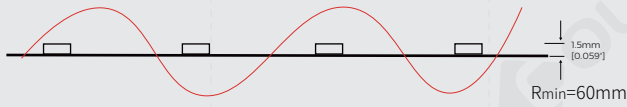
CRI	Color	CCT	Lumen (lm/m)	Lumen (lm/ft)	lm/W
Ra>80(14.4W)	SW	2700K	2070	631	144
Ra>80(14.4W)	WW	3000K	2139	652	148
Ra>80(14.4W)	PW	3500K	2231	680	154
Ra>80(14.4W)	NW	4000K	2300	701	160
Ra>80(14.4W)	DW	5000K	2300	701	160
Ra>80(14.4W)	W	6500K	2300	701	160
Ra>90(14.4W)	SW	2700K	1771	540	123
Ra>90(14.4W)	WW	3000K	1840	561	128
Ra>90(14.4W)	PW	3500K	1909	582	132
Ra>90(14.4W)	NW	4000K	1978	603	137
Ra>90(14.4W)	DW	5000K	1978	603	137
Ra>90(14.4W)	W	6500K	1978	603	137
Ra>80(24W)	SW	2700K	3240	987	135
Ra>80(24W)	WW	3000K	3348	1020	139
Ra>80(24W)	PW	3500K	3492	1064	145
Ra>80(24W)	NW	4000K	3600	1097	150
Ra>80(24W)	DW	5000K	3600	1097	150
Ra>80(24W)	W	6500K	3600	1097	150
Ra>90(24W)	SW	2700K	2772	845	115
Ra>90(24W)	WW	3000K	2880	878	120
Ra>90(24W)	PW	3500K	2988	911	124
Ra>90(24W)	NW	4000K	3096	944	129
Ra>90(24W)	DW	5000K	3096	944	129
Ra>90(24W)	W	6500K	3096	944	129

- 1.The tolerance of output data can be vary up to 10%.
- 2.the output data tested according to the test report.
- 3.the output data is based on IP20/1merter.

【Product mechanical data】

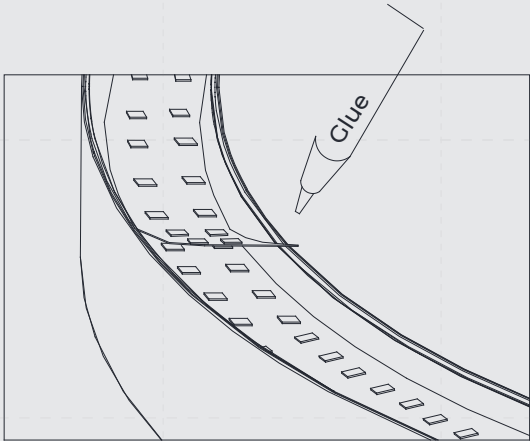
·Bending angle: $0^\circ < \theta < 10^\circ$

·Min.bend diameter: $\phi 60\text{mm}[2.36"]$



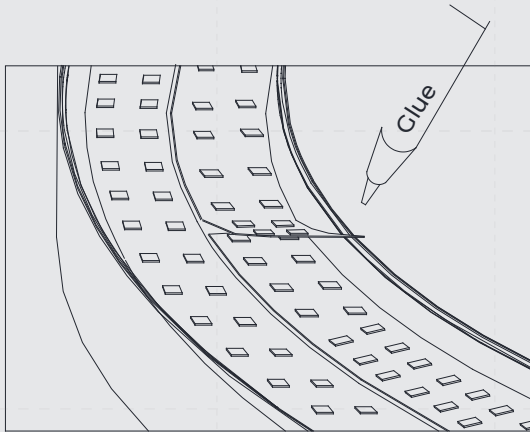
· Horizontal bending: $D_{\text{min}} \geq 320\text{mm}$

【Recommendations for use】



For the width of profile: 50mm

Stick single row light strip: 24W/M, 4M/REEL



For the width of profile: 70mm

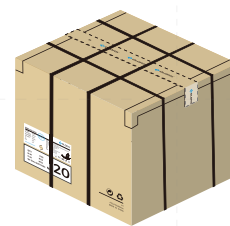
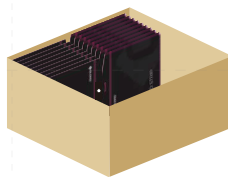
Stick two strips side by side: 14.4W/M, 5M/REEL

[Accessories Information]

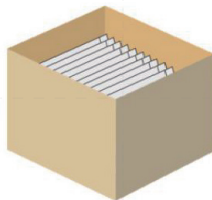
Name	Picture	model	Description
		LF-GHY100H24	Dimming mode: Non-Dimming Size: 316*30.7*22.8mm Input voltage: AC220-240V Operating frequency: 50/60Hz PF value: ≥0.9 Output voltage: DC24V Output current: ≤4.25A Power: 100W Efficiency: 0.92 Certification: ENEC,CE,CB,RCM,UKCA,MM,CCC Case material:Plastic
		LF-GHY240H24	Dimming mode: Non-Dimming Size: 361*33.1*22.8mm Input voltage: AC220-240V Operating frequency: 50/60Hz PF value: ≥0.9 Output voltage: DC24V Output current: ≤10A Power: 240W Efficiency: 0.92 Certification: ENEC,CE,CB,RCM,UKCA,MM,CCC Case material:Plastic
		BK-MGV100-24V0M	Dimming mode: 1-10V Dimming Size: 355*30*21mm Input voltage: AC200-240V Operating frequency: 50/60Hz PF value: ≥0.9 Output voltage: DC24V Output current: ≤4.2A Power: 100W Efficiency: 0.92 Certification: TUV, CE, RCM Case material: Metal housing
		BK-MEV200-24V0M	Dimming mode: 1-10V Dimming Size: 321.5*48*30mm Input voltage: AC200-240V Operating frequency: 50/60Hz PF value: ≥0.9 Output voltage: DC24V Output current: ≤8.3A Power: 200W Efficiency: 0.93 Certification: CE, ENEC, UKCA, RCM, CCC, EL Case material: Metal housing
		BK-DGV100-24V0D	Dimming mode: DALI Dimming Size: 355*30*21mm Input voltage: AC200-240V Operating frequency: 50/60Hz PF value: ≥0.9 Output voltage: DC24V Output current: ≤4.2A Power: 100W Efficiency: 0.9 Certification: CE, ENEC, UKCA, RCM, CCC, EL Case material: Metal housing
		BK-DEV200-24V0D	Dimming mode: DALI2,PUSH-dimming,1-10V 3in1 dimming Size: 361*33.1*22.8mm Input voltage: AC200-240V Operating frequency: 50/60Hz PF value: ≥0.9 Output voltage: DC24V Output current: ≤8.3A Power: 200W Efficiency: 0.92 Certification: TUV, CE, RCM Case material: Metal housing

【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	5000*23*1.5	5	100	0.25	5	6.1	41*41*26
NO	4000*23*1.5	4	80	0.2	4	5.3	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: -40℃~85℃.Storage temperature: 0℃~85℃.
- 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).