

Specification

D8168-24V-10mm



▼ General description

- Self-encapsulated design offers eight optional 1900-6000K white lights
- High quality PFC, high thermal 3M adhesive
- With life span over 36000H
- Ta: -25~40°C; Tc: 75°C (max)



▼ Dimension

※Max.length: 5000mm

Cutting unit: 7leds/42mm

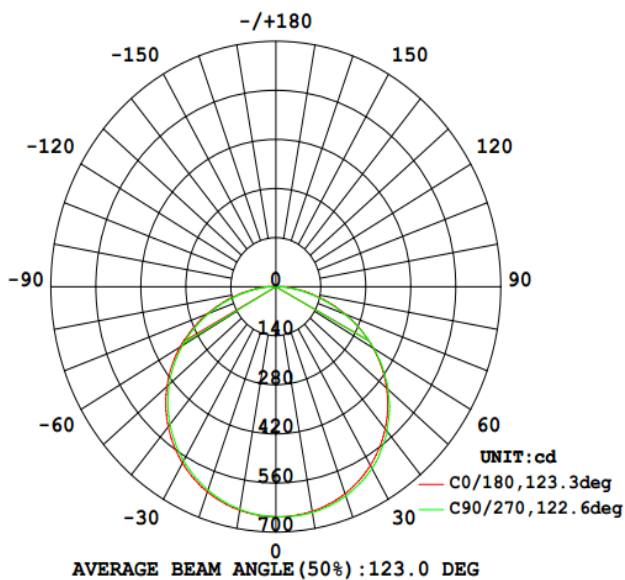
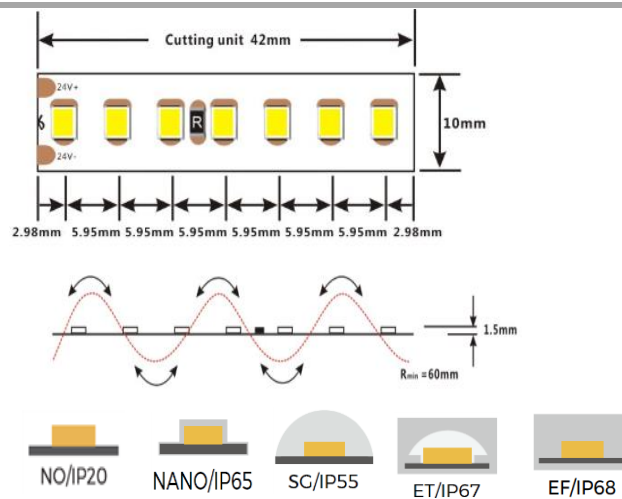
LED pitch: 5.95mm

Min. bend diameter: Φ60mm

Mounting: 3M tape

IP: IP20/IP55/IP65/IP67/IP68

※Warranty: 5years



Photometric of 1M strip

Flux out: 1668 lm

Height	Eavg, Emax	Angle: 122.61deg	Diameter
1m	150.1, 656.8lx		365.35cm
2m	37.53, 164.21lx		730.71cm
3m	16.68, 72.98lx		1096.06cm
5m	6.005, 26.27lx		1826.77cm
7m	3.064, 13.40lx		2557.48cm

AAI Figure

※Max.length data is based on 10% voltage drop

※Warranty is based on indoor use

▼ Electronic & output data

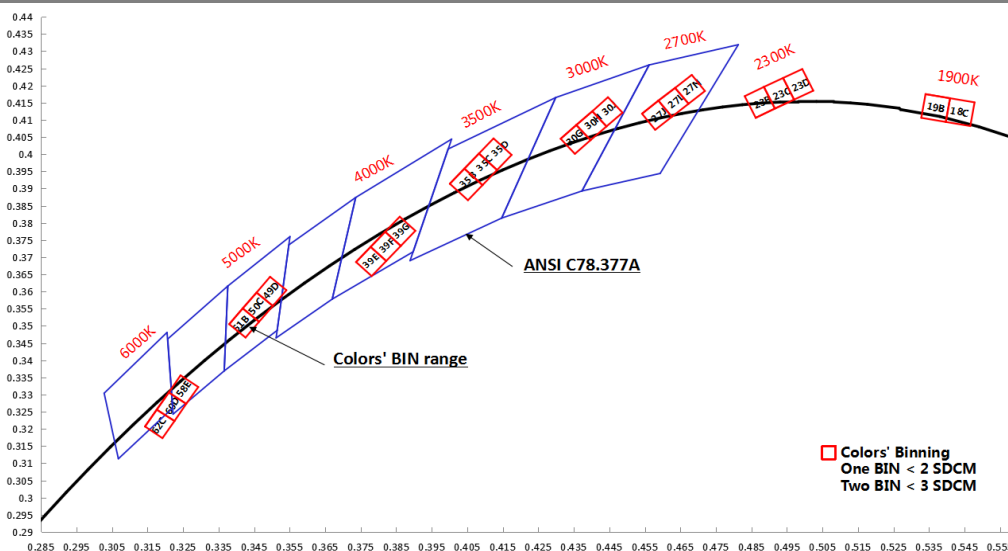
Input voltage: DC24V
 Typical Powe: 16.2W(1m) /66.9W(5m)
 Max.power: 17.3W
 Power range: 15.0 ~ 17.3W

Rated current: 0.675A(1m) /2.79A(5m)
 CRI: >80/95/98
 On-off times: 10000 (test times)
 Copper foil: 3oz



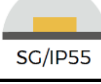

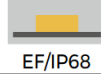
CRI	Color	CCT	Lumen(lm)	lm/W	Energy efficiency class
Ra>80	GW	1900K	1568	97	A+
Ra>80	LW	2300K	1742	108	A+
Ra>80	SW	2700K	1863	115	A+
Ra>80	WW	3000K	1964	121	A+
Ra>80	PW	3500K	1964	121	A+
Ra>80	NW	4000K	2025	125	A+
Ra>80	DW	5000K	2025	125	A+
Ra>80	W	6000K	1964	121	A+
Ra>95	SW	2700	1301	80	A+
Ra>95	WW	3000	1427	88	A
Ra>95	PW	3500	1586	98	A+
Ra>95	NW	4000	1586	98	A+
Ra>98	SW	2700	1250	76	A
Ra>98	WW	3000	1290	79	A
Ra>98	NW	4000	1340	82	A

- 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

▼ BIN





▼ IP Process

IP Process	Picture	description	Size	optional CCT/color for finished product	lumen output rate
NO	 NO/IP20	No proof	10mm*1.5mm	1900K/2300K/2700K/3000K/3500K/4000K/5000K/6000K/R/G/B	100%
NA	 NANO/IP65	Nano-proof	10mm*1.5mm	1900K/2300K/2700K/3000K/3500K/4000K/5000K/6000K/R/G/B	98%
SG	 SG/IP55	Gel coating	10mm*2.7mm	2300K/3000K/3500K/4000K/6000K/10000K/15000K/R/G/B	90%
ET	 ET/IP67	Extrusion tube	12mm*4.8mm	1900K/2300K/2700K/3000K/3500K/4000K/5000K/6000K/R/G/B	88%
EF	 EF/IP68	Extrusion filling	12mm*5mm	2300K/2900K/3400K/3850K/5800K/8750K/15000K/R/G/B	86%

▼ Accessories Information

Name	Picture	Code	description
Connector for wire and FPC		94-03-00-0037	10mm width, 2PIN connector of wire and FPC,suitable for white color strip, NO/NA,2PIN wire18- 22AWG
Connector for FPC and FPC		94-42-621020004	10mm width, 2PIN connector of FPC and FPC,suitable for white color strip,NO/NA
Connector for wire and FPC		94-03-00-0045	10mm width, 2PIN connector of wire and FPC,suitable for white color and gel coating strip,SG, 2PIN wire 18- 22AWG
Connector for FPC and FPC		94-03-00-0049	10mm width, 2PIN connector of FPC and FPC,suitable for white color and gel coating strip, SG
Fixed Clip		94-02-00-0003	Silicone clip, screw: PA 3*8mm, suitable for 10mm FPC,EH/EF/ET strip
Fixed Clip		94-02-00-0018	transparent, 3*8mm self-tapping screws, suitable for 10mm FPC, NO/NA LED strip
Fixed Clip		94-02-00-0016	Fixed clip, transparent, 3*8mm self-tapping screws, suitable for 10mm FPC, SG LED strip
Silicone end cap set		94-02-00-0022	Silicone end cap set, including end cap and plug, suitable for 10mm FPC,EH/ET/EF silicone extrusion strip

Mounting groove		94-02-00-0025	Transparent PVC mounting groove,suitable for 10mm FPC,silicone extruded EF/ET strip
Stopper glue		94-16-03010001	Silicone gel, suitable for ST/ET/EH/EF/SF waterproof LED strip

▼ Order Code Formats

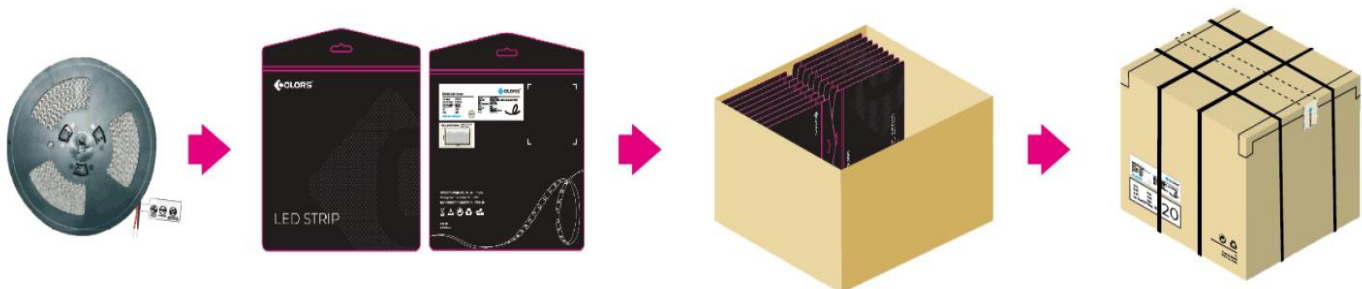
1: Category		2: LED		3: LED/m		4: Voltage		5:FPC Width		6: IP Process		7: CRI		8: CCT	
D	-	8	2835	168	168 LED	24	24V	10	10mm	NO	NO	8	> 80	GW	1900K
										NA	NANO	9	>95	LW	2300K
										SG	Gel coating	0	0	SW	2700K
										ET	Extrusion tube	F	> 98	WW	3000K
										EF	Extrusion filling			PW	3500K
														NW	4000K
														DW	5000K
														W	6000K
D	-	8		168		24		10		NO		8		GW	

9: Silk Printing		10: Entry cable		11: Wire type		12: Wire length		13: Tape type		14: Label Type		15: Strip Length	
N	Neutral	S	Single	A	red and black cable	012	12cm	W	White 3M	C	COLORS	0500	5m
C	COLORS	D	Doubel	B	SM-male wire	020	20cm	Y	Yellow 3M	S	Customized	5000	50m
S	Customized	X	Nothing	C	SM-female wire	050	50cm	R	Red tape			4000	40m
				X	Nothing	100	100cm	X	Nothing				
						0	Nothing						
N		S		A		012		W		C		0500	

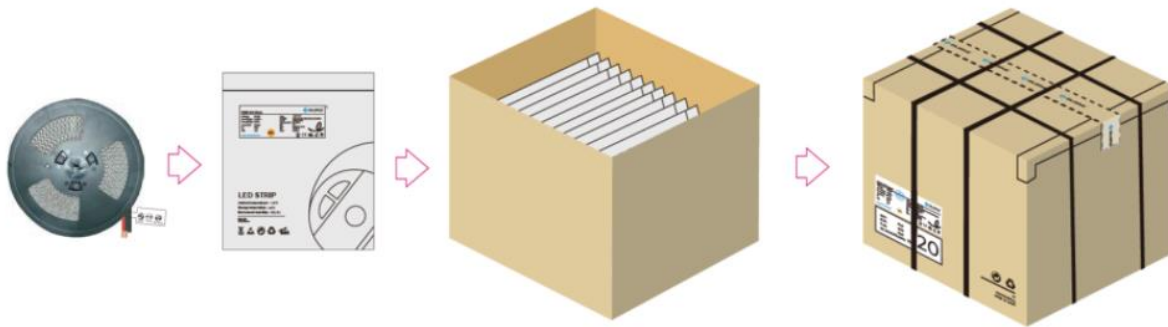
D81682410NO-8GWNSA012WC0500

▼ Packing

Colors brand package



General customized package

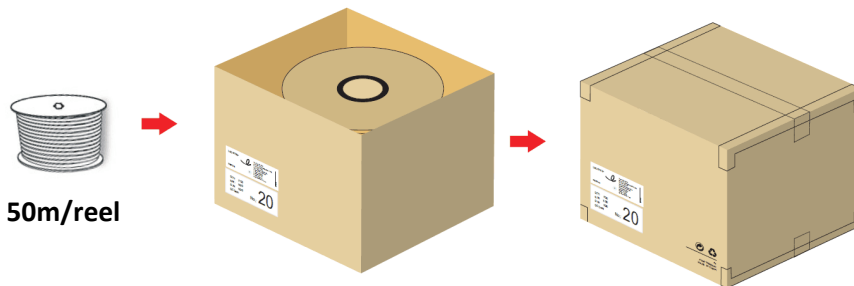


IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box (kg)	Gross weight (kg)	Package size (cm)
NO	5000*10*1.5	5	250	0.14	7	8.05	41*41*26
NA	5000*10*1.5	5	250	0.144	7.2	8.28	41*41*26
SG	5000*10*2.7	5	250	0.231	11.55	13.283	41*41*26
ET	5000*12*4.8	5	200	0.49	19.6	22.54	41*41*26
EF	5000*12*5	5	200	0.557	22.28	25.622	41*41*26

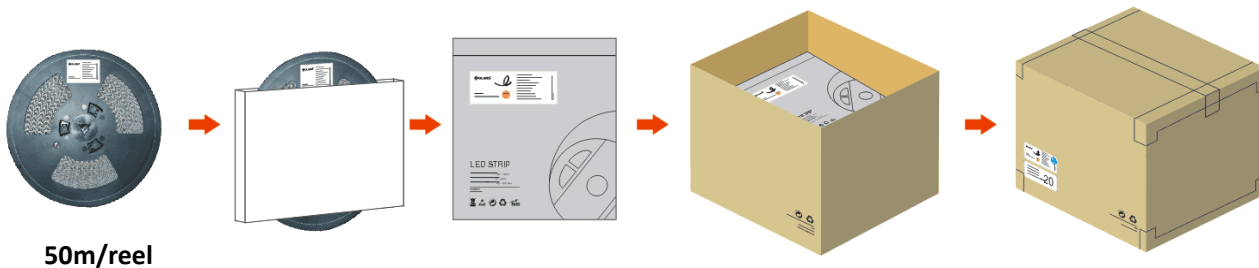
Remark: data with 10% tolerance

Engineering packaging of ET(IP67)/EF(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	500	1.4	14	16.1	41*41*26
NA	50000*10*1.5	50	500	1.44	14.4	16.56	41*41*26
ET	50000*12*4.8	50	100	4.99	9.98	11.47	25.5*25.5*26
EF	50000*12*5	50	100	5.68	11.36	13.064	25.5*25.5*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°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).