

Specification

D8180-24V-10mm



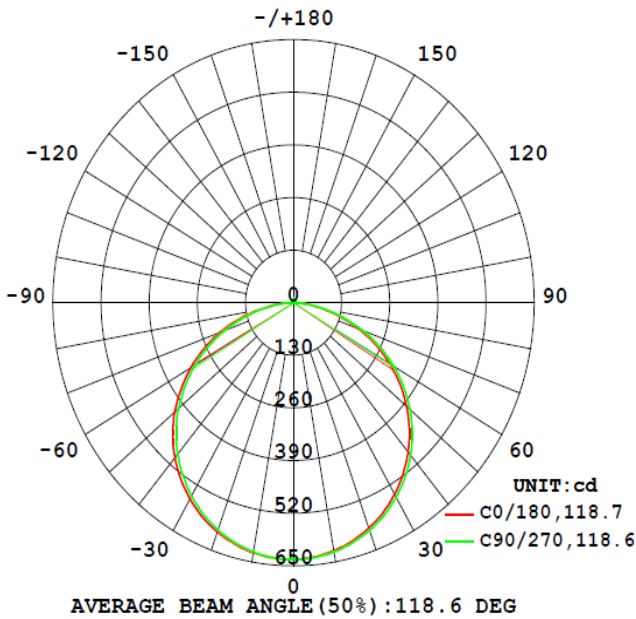
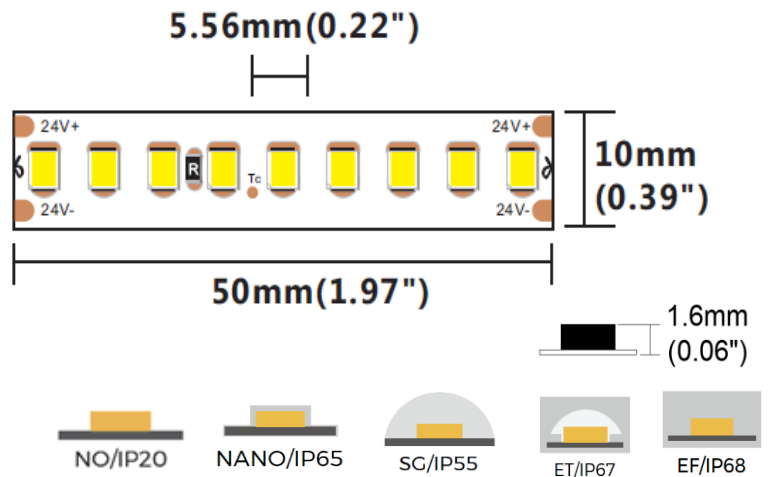
▼ General description

- Luminance efficiency Max up to 220LM/W
- Self-encapsulated design offers 4 optional 2700-6500K white lights
- With life span over 60000H
- Ta: -25~40°C; Tc: 75°C (max)



▼ Dimension

- Max.length: 5000mm
- Cutting unit: 9leds/50mm(1.97")
- LED pitch: 5.56mm(0.22")
- Min. bend diameter: Φ60mm
- Mounting: 3M tape
- IP: IP20/IP55/IP65/IP67
- ※Warranty: 5years



Photometric of 1M strip

Height	Eavg, Emax	Angle: 118.55deg	Diameter
1m	158.9, 635.11x		336.47cm
2m	39.73, 158.81x		672.94cm
3m	17.66, 70.561x		1009.42cm
4m	9.933, 39.691x		1345.89cm
5m	6.357, 25.401x		1682.36cm
6m	4.415, 17.641x		2018.83cm
7m	3.243, 12.961x		2355.30cm
8m	2.483, 9.9231x		2691.78cm
9m	1.962, 7.8401x		3028.25cm
10m	1.589, 6.3511x		3364.72cm

AAI Figure

※Warranty is based on indoor use

▼ Electronic & output data

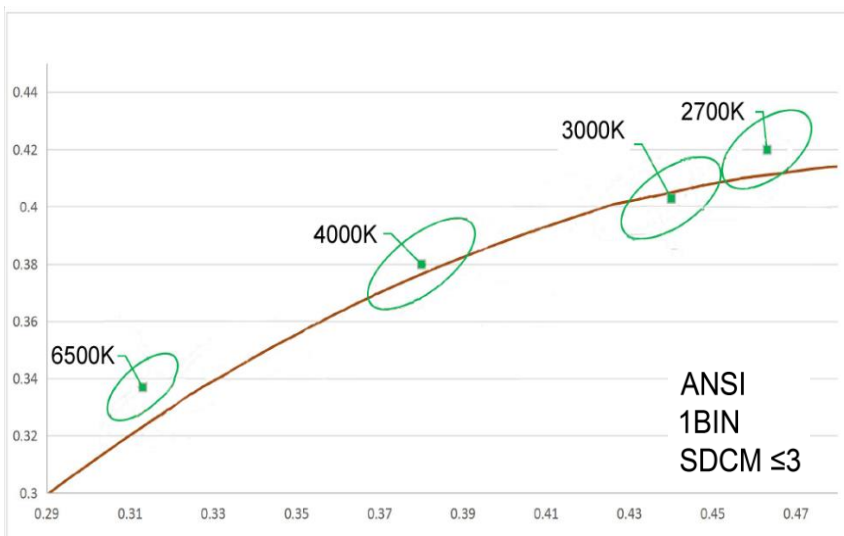
Input voltage: DC24V
 Typical Power: 8.7W(1m) /36W(5m)
 Max.power: 9.6W(1m)
 Power range: 7.8 ~ 9.6W(1m)

Rated current: 0.36A(1m) /1.5A(5m)
 CRI: 80
 On-off times: 10000 (test times)
 Copper foil: 3oz

CRI	Color	CCT	Lumen(lm)	lm/W	Energy efficiency class
Ra>80	SW	2700K	1705	196	C
Ra>80	WW	3000K	1795	206	B
Ra>80	NW	4000K	1870	215	B
Ra>80	W	6500K	1795	206	B

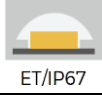

- 1.The tolerance of output data can be vary up to 15%
- 2.the output data tested according to IES TM-30-15
- 3.the output data is based on IP20/1merter, data of 5m in only for reference
- 4.IP protection process leads changes to size, CCT and luminous flux

▼ BIN















▼ IP Process

IP Process	Picture	description	Size	optional CCT/color for finished product	lumen output rate
NO	 NO/IP20	No proof	10mm*1.6mm	2700K/3000K/4000K/6500K	100%
NA	 NANO/IP65	Nano-proof	10mm*1.7mm	2700K/3000K/4000K/6500K	98%
SG	 SG/IP55	Gel coating	10mm*2.7mm	3500K/4000K/6000K/15000K	90%

ET	 ET/IP67	Extrusion tube	12mm*4.8mm	2700K/3000K/4000K/6500K	88%
EF	 EF/IP68	Extrusion filling	12mm*5mm	3400K/3850K/5800K/15000K	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
Slim connector		94-03-00-0064	TSC-10-2, suitable for 10mm fpc to fpc connection , IP20, 2pin, 10pcs per bag
FPC with wire		94-03-00-0067	wire connection when using together with TSC-10-2,IP20,2PIN, 10PCS per bag
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		94-03-00-0070	Silicone end cap with hole&without hole, suitable for 10mmFPC, ET waterproof LED 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

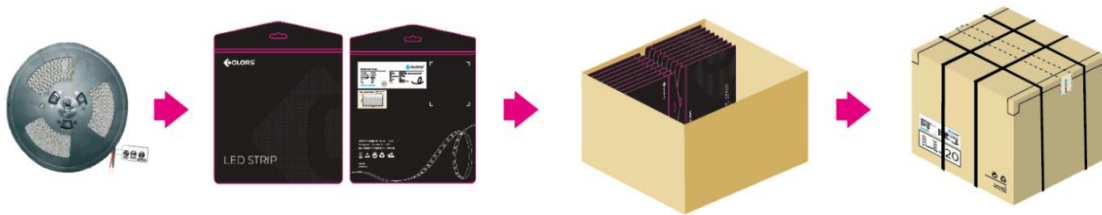
▼ Order Code Formats

1: Category		2: LED		3: LED/m		4: Voltage		5:FPC Width		6: IP Process		7: CRI		8: CCT	
D	-	8	2835	180	180 LED	24	24V	10	10mm	NO	NO	8	> 80	SW	2700K
										NA	NANO			WW	3000K
										SG	Gel coating			NW	4000K
										ET	Extrusion tube			W	6500K
										EF	Extrusion filling				
D	-	8		180		24		10		NO		8		SW	
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						
				X	Nothing	100	100cm	X	Nothing						
						0	Nothing								
N		S		A		012		W		C		0500			

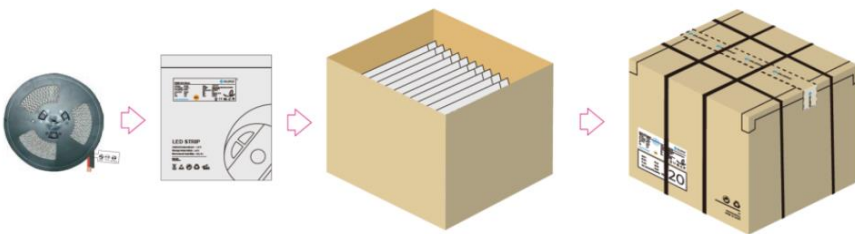
D81802410NO-8SWNSA012WC0500

▼ Packing

Colors brand package



General customized package

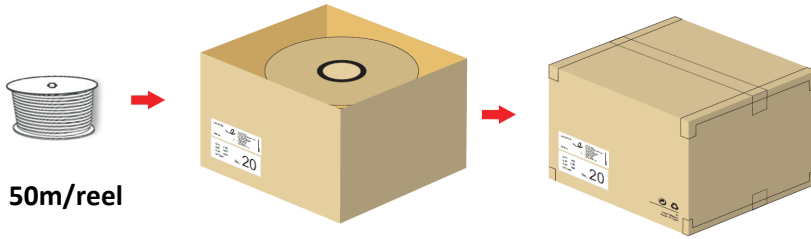


IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box (kg)	Gross weight (kg)	Package size (cm)
NO	5000*10*1.6	5	250	0.14	7	8.05	41*41*26
NA	5000*10*1.7	5	250	0.144	7.2	8.28	41*41*26
SG	5000*10*2.7	5	250	0.231	11.55	13.283	41*41*26
ET	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

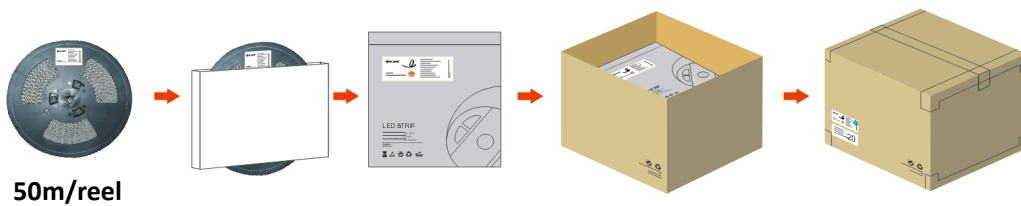
Remark: data with 10% tolerance

Engineering packaging of ET(IP67)/EF(IP68)

(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*1.6	50	500	1.4	14	16.1	41*41*26
NA	50000*10*1.7	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).