

Specification

DS860-24V-10mm



▼General description

- 30m long strip driven by one end power supply with the same brightness from end to end
- Self-encapsulated design offers eight optional 1900-6000K white lights
- With life span over 60000H
- Ta: -25~40°C; Tc: 75°C (max)



▼Dimension

※Max.length: 30000mm

Cutting unit: 10leds/166.67mm

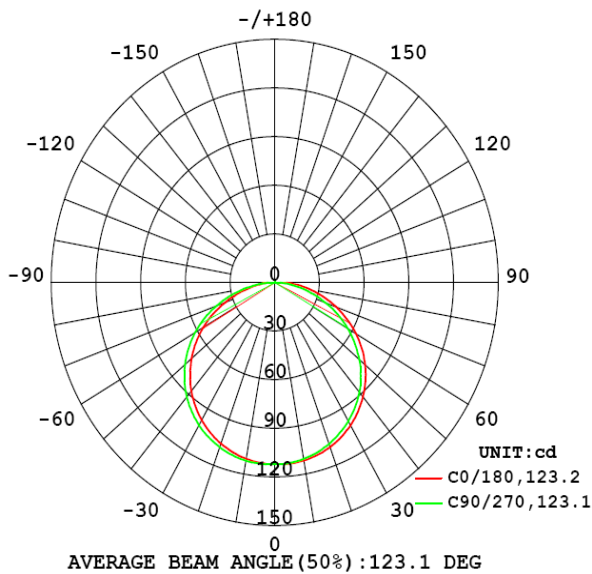
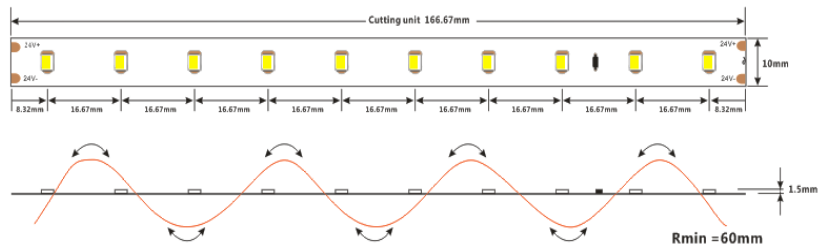
LED pitch: 16.67mm

Min. bend diameter: Φ60mm

Mounting: 3M tape

IP: IP20/IP65/IP67/IP68

※Warranty: 5years



Photometric of 1M strip

Height	Eavg, Emax	Angle: 123.07deg	Diameter
1m	25.69, 112.31x		368.86cm
2m	6.422, 28.071x		737.72cm
3m	2.854, 12.471x		1106.59cm
5m	1.028, 4.4911x		1844.31cm
6m	0.7136, 3.1181x		2213.17cm
7m	0.5242, 2.2911x		2582.04cm
8m	0.4014, 1.7541x		2950.90cm
9m	0.3171, 1.3861x		3319.76cm
10m	0.2569, 1.1231x		3688.62cm

AAI Figure

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

※Warranty is based on indoor use

▼ Electronic & output data

Input voltage: DC24V

Rated current: 0.18A(1m) /5.4A(5m)

Typical Powe: 4.3W(1m) /129W(5m)

CRI: >90/95/98

Max.power: 4.6W

On-off times: 10000 (test times)

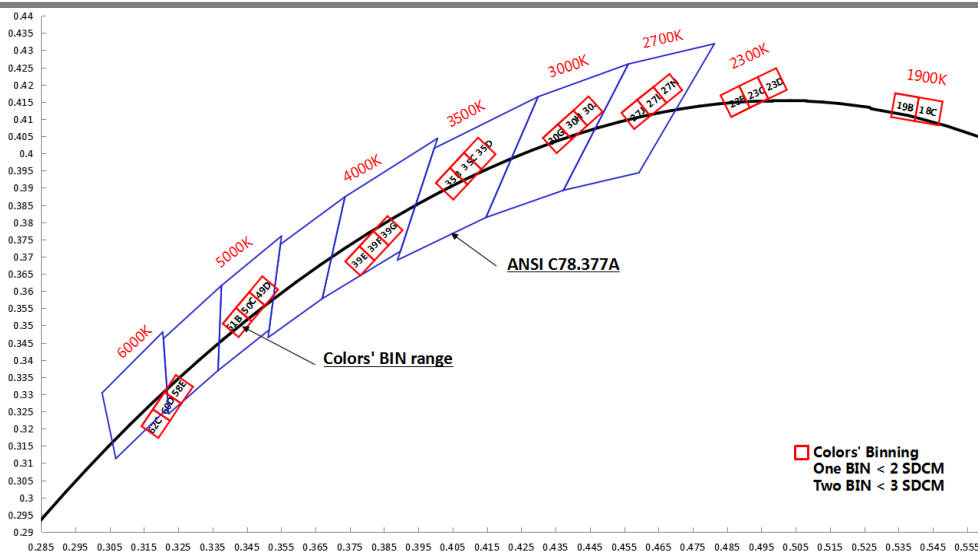
Power range: 4~4.6W

Copper foil: 4oz





CRI	Color	CCT	Lumen(lm)	lm/W	Energy efficiency class
Ra>90	GW	1900K	290	67	A+
Ra>90	LW	2300K	320	74	A+
Ra>90	SW	2700K	340	79	A+
Ra>90	WW	3000K	360	83	A+
Ra>90	PW	3500K	365	85	A+
Ra>90	NW	4000K	370	87	A++
Ra>90	DW	5000K	370	87	A++
Ra>90	W	6000K	360	83	A+
Ra>95	SW	2700K	271	63	A+
Ra>95	WW	3000K	296	69	A+
Ra>95	PW	3500K	325	76	A+
Ra>95	NW	4000K	325	76	A+
Ra>98	SW	2700K	213	50	A+
Ra>98	WW	3000K	223	59	A+
Ra>98	NW	4000K	253	66	A+
0	G	525~530nm	/	/	/
0	B	465~470nm	/	/	/

- 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 proof	10mm*1.5mm	1900K/2300K/2700K/3000K/ 3500K/4000K/5000K/6000K/G/B	100%
NA		Nano-proof	10mm*1.5mm	1900K/2300K/2700K/3000K/ 3500K/4000K/5000K/6000K/G/B	98%
ET		Extrusion tube	12mm*4.8mm	1900K/2300K/2700K/3000K/ 3500K/4000K/5000K/6000K/G/B	88%
EF		Extrusion filling	12mm*5mm	2300K/2900K/3400K/3850K/ 5800K/8750K/15000K/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
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		94-02-00-0016	Fixed clip, transparent, 3*8mm self-tapping screws, suitable for 10mm FPC,NO/NA LED strip
Silicone end cap set		94-02-00-0022	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	
DS	-	8	2835	60	60 LED	24	24V	10	10mm	NO	NO	9	>90	GW	1900K
										NA	NANO	H	>95	LW	2300K
										EF	Extrusion filling	F	>98	SW	2700K
										ET	Extrusion tube	0	0	WW	3000K
														PW	3500K
														NW	4000K
														DW	5000K
														W	6000K
														G	Green
														B	Blue
DS	-	8		60		24		10		NO		9		GW	

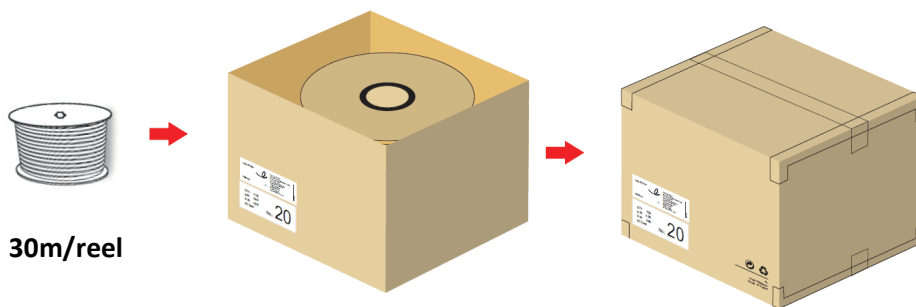
9: Silk Printing		10: Entry cable		11: Wire type		12: Wire length		13: Tape type		14: Label Type		15: Strip Length	
N	Neutral	S	Single	A	red and black cable	012	12cm	W	White 3M	C	COLORS	3000	30m
C	COLORS	D	Double	B	SM-male wire	020	20cm	Y	Yellow 3M	S	Customized		
S	Customized	X	Nothing	C	SM-female wire	050	50cm	R	Red tape				
				X	Nothing	100	100cm	X	Nothing				
						0	Nothing						
N		S		A		012		W		C		3000	

DS8602410NO-9GWNSA012WC3000

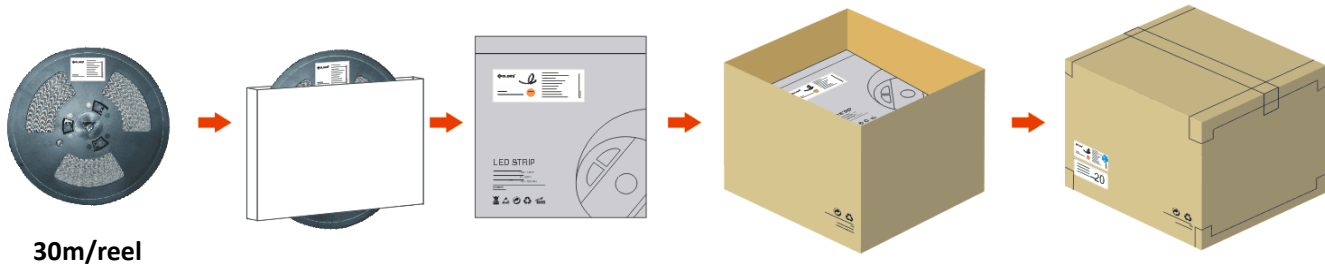
▼ Packing

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	30000*10*1.5	30	300	0.801	8.01	9.2115	41*41*26
NA	30000*10*1.6	30	300	0.81	8.1	9.315	41*41*26
ET	30000*12*4.8	30	60	2.91	5.82	6.693	25.5*25.5*26
EF	30000*12*5	30	60	3.303	6.606	7.596	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).