

Specification

D8160-24V-8mm



▼ General description

- Luminance efficiency up to 159LM/W
- Self-encapsulated design offers eight optional 1900-6000K white lights
- With life span over 36000H
- Ta: -25~40°C; Tc: 75°C (max)



▼ Dimension

※Max.length: 5000mm

Cutting unit: 8leds/50mm

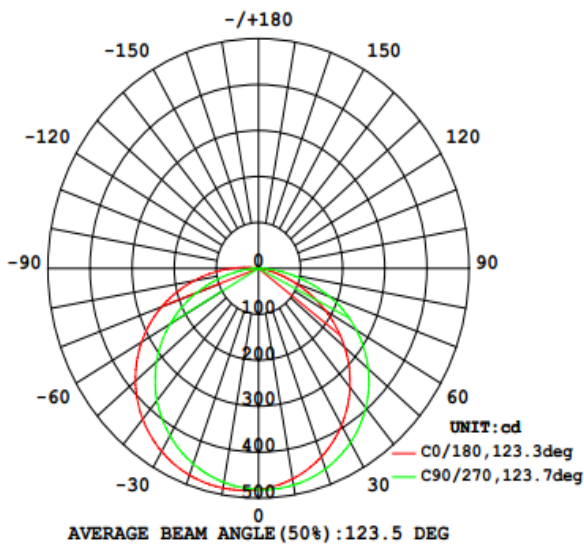
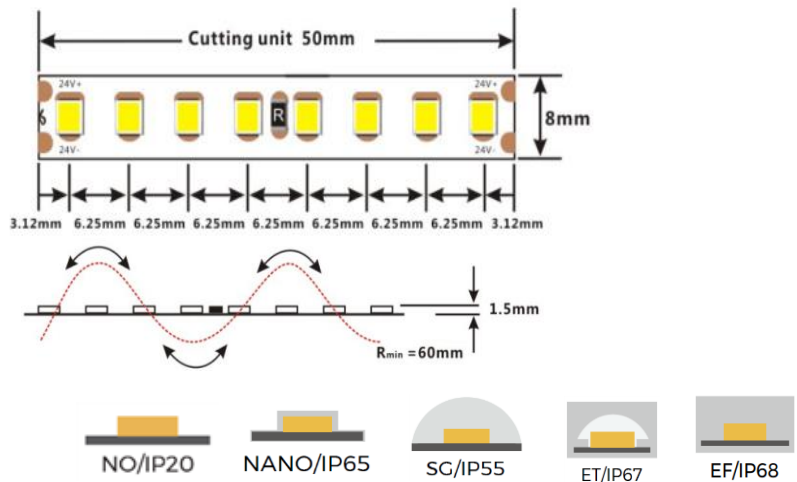
LED pitch: 6.25mm

Min. bend diameter: $\Phi 60\text{mm}$

Mounting: 3M tape

IP: IP20/IP55/IP65/IP67/IP68

※Warranty: 5years



Photometric of 1M strip

Flux out: 1222 lm

Height	Eavg, Emax	Angle: 123.34deg	Diameter
1m	110.0, 482.1lx		370.97cm
2m	27.49, 120.51lx		741.95cm
3m	12.22, 53.56lx		1112.92cm
5m	4.398, 19.28lx		1854.87cm
7m	2.244, 9.838lx		2596.81cm

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: 0.45A(1m) /1.93A(5m)

Typical Powe: 10.8W(1m) /46.3W(5m)

CRI: >80/95/98

Max.power: 12W

On-off times: 10000 (test times)

Power range: 9.6~12W

Copper foil: 2oz

CRI	Color	CCT	Lumen(lm)	lm/W	Energy efficiency class
Ra>80	GW	1900K	1325	123	A+
Ra>80	LW	2300K	1472	136	A++
Ra>80	SW	2700K	1575	145	A++
Ra>80	WW	3000K	1660	154	A++
Ra>80	PW	3500K	1660	154	A++
Ra>80	NW	4000K	1712	159	A++
Ra>80	DW	5000K	17412	159	A++
Ra>80	W	6000K	1660	154	A++
Ra>95	SW	2700K	1163	108	A+
Ra>95	WW	3000K	1265	117	A+
Ra>95	PW	3500K	1392	129	A+
Ra>95	NW	4000K	1392	129	A+
Ra>98	SW	2700K	960	88	A+
Ra>98	WW	3000K	990	90	A+
Ra>98	NW	4000K	1050	95	A+

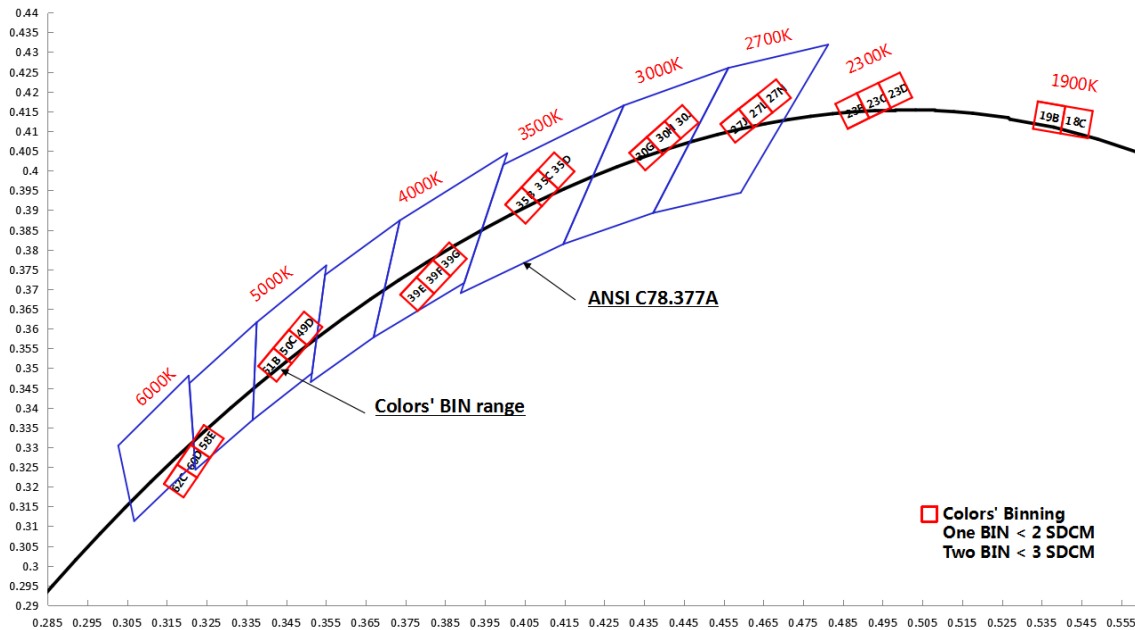
1.The tolerance of output data can be vary up to 15%

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	8mm*1.5mm	1900K/2300K/2700K/3000K/3500K/4000K/5000K/6000K/R/G/B	100%
NA	 NANO/IP65	Nano-proof	8mm*1.5mm	1900K/2300K/2700K/3000K/3500K/4000K/5000K/6000K/R/G/B	98%
SG	 SG/IP55	Gel coating	8mm*2.7mm	2300K/3000K/3500K/4000K/6000K/10000K/15000K/R/G/B	90%
ET	 ET/IP67	Extrusion tube	10mm*4.8mm	1900K/2300K/2700K/3000K/3500K/4000K/5000K/6000K/R/G/B	88%
EF	 EF/IP68	Extrusion filling	10mm*5mm	2300K/2900K/3400K/3850K/5800K/8750K/15000K/R/G/B	86%

▼Accessories Information

Name	Picture		Code	description
Connector for wire and FPC			94-42-620800001	8mm width, 2PIN connector of wire and FPC,suitable for white color strip, NO/NA,2PIN wire18- 22AWG
Connector for FPC and FPC			94-42-620800002	8mm width, 2PIN connector of FPC and FPC,suitable for white color strip,NO/NA

Connector for wire and FPC			94-03-00-0044	8mm width, 2PIN connector of wire and FPC,suitable for white color and gel coating strip,SG,2PIN wire18- 22AWG
Connector for FPC and FPC			94-03-00-0048	8mm width, 2PIN connector of FPC and FPC,suitable for white color and gel coating strip,SG
Fixed Clip			94-02-00-0002	Silicone clip, screw: PA 3*8mm, suitable for 8mm FPC,EH/EF/ET strip
Fixed Clip			94-02-00-0017	Fixed clip, transparent, 3*8mm self-tapping screws, suitable for 8mm FPC,NO/NA LED strip
Fixed Clip			94-02-00-0015	Fixed clip, transparent, 3*8mm self-tapping screws,suitable for 8mm FPC,SG LED strip
Silicone end cap set			94-02-00-0021	including end cap and plug,suitable for 8mm FPC,EH/ET/EF silicone extrusion strip
Mounting groove			94-02-00-0024	Transparent PVC mounting groove,suitable for 8mm FPC,silicone extruded EF/ET strip
Stopper glue			94-16-03010001	Silicone gel,suitable for ST/ET/EH/EF/SF waterproof LED strip

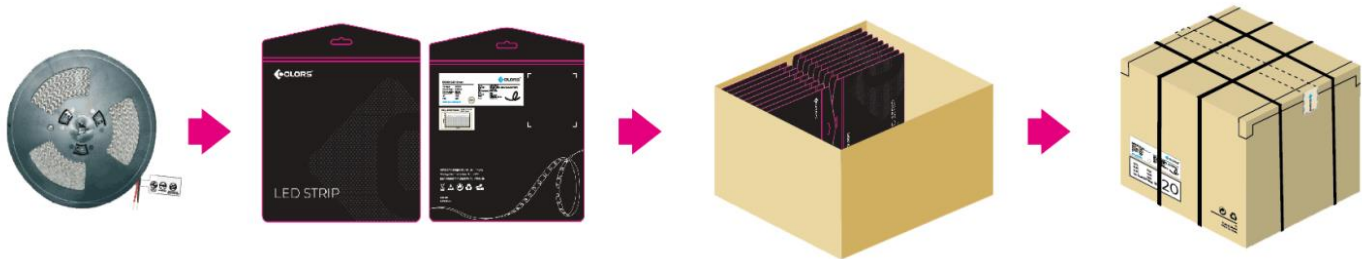
▼Order Code Formats

1: Category		2: LED		3: LED/m		4: Voltage		5:FPC Width		6: IP Process		7: CRI		8: CCT	
D	-	8	2835	160	160 LED	24	24V	08	8mm	NO	NO	8	> 80	GW	1900K
										NA	NANO	9	> 90	LW	2300K
										SG	Gel coating	F	> 98	SW	2700K
										ET	Extrusion tube	0	0	WW	3000K
										EF	Extrusion filling			PW	3500K
														NW	4000K
														DW	5000K
														W	6000K
D	-	8		160		24		08		NO		8		GW	
9: Silk Printing		10: Entery 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		

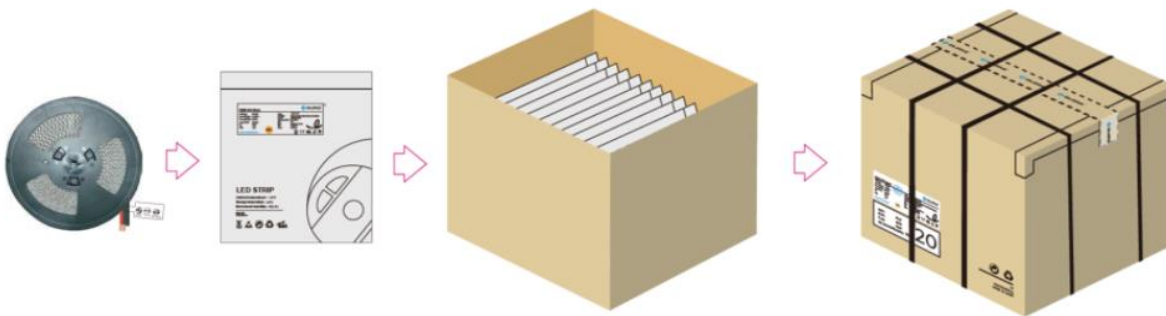
D81602408NO-8GWNSA012WC0500

▼ Packing

Colors brand package



General customized package

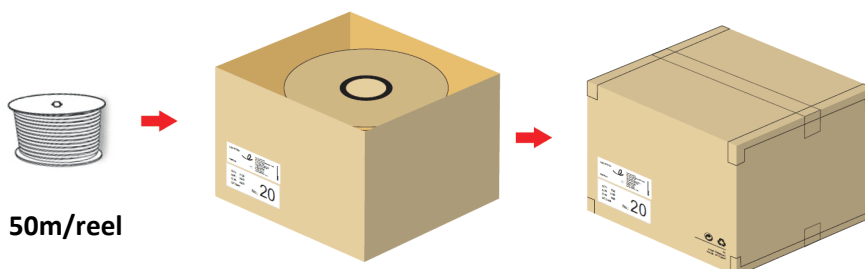


IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box (kg)	Gross weight (kg)	Package size (cm)
NO	5000*8*1.5	5	300	0.14	8.4	9.66	41*41*26
NA	5000*8*1.6	5	300	0.143	8.58	9.867	41*41*26
SG	5000*8*2.8	5	300	0.228	13.68	15.73	41*41*26
ET	5000*10*4.8	5	200	0.465	18.6	21.378	41*41*26
EF	5000*10*5	5	200	0.511	20.44	23.506	41*41*26

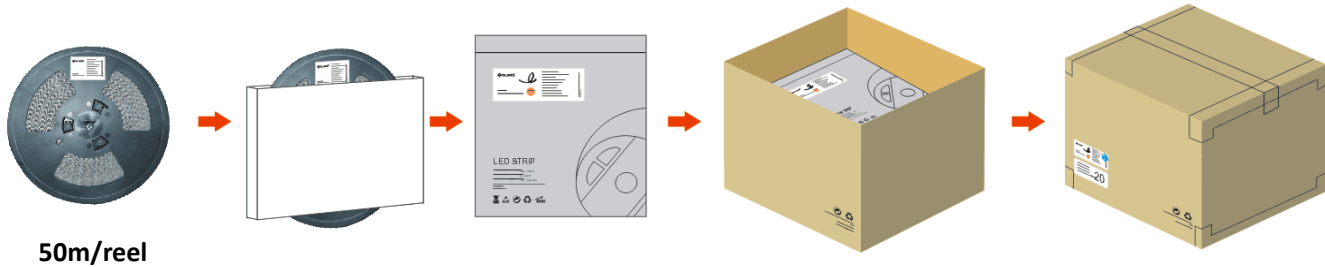
Remark: data with 10% tolerance

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*8*1.5	50	650	1.4	18.2	20.93	41*41*26
NA	50000*8*1.6	50	650	1.43	18.59	21.378	41*41*26
ET	50000*10*4.8	50	100	4.74	9.48	10.902	25.5*25.5*26
EF	50000*10*5	50	100	5.21	10.42	11.983	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).