

# Specification

DS8168GWW-24V-10mm



### ▼General description

- Dim to warm strip, widely adapted with PWM controllers
- 1900K+3000K design
- With life span over 60000H
- Ta: -25~40°C; Tc: 75°C (max)



### ▼Dimension

※Max.length: 5000mm

Cutting unit: 14leds/83.3mm

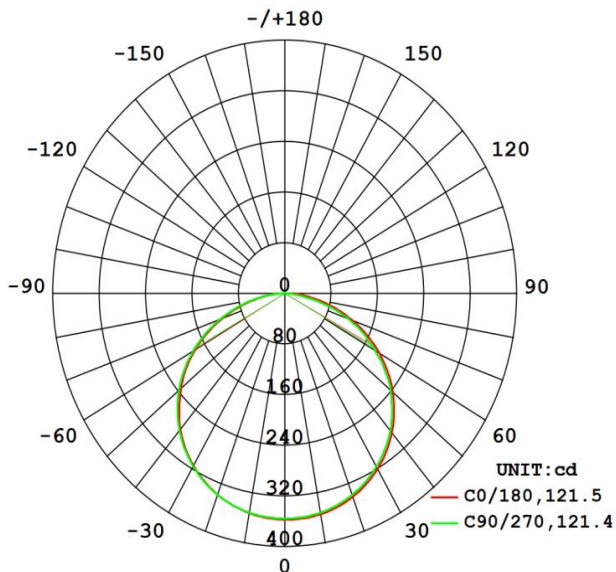
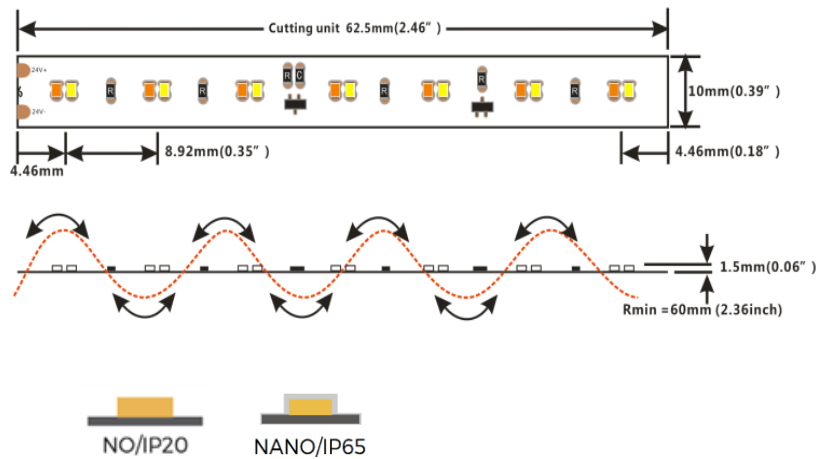
LED pitch: 11.9mm

Min. bend diameter: Φ60mm

Mounting: 3M tape

IP: IP20/IP65

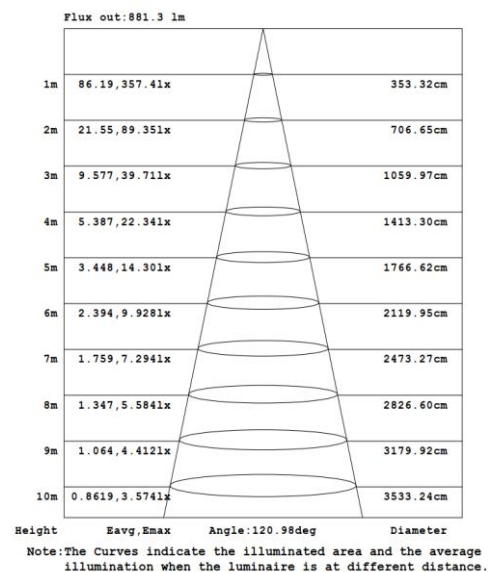
※Warranty: 5years



UMINOUS INTENSITY DISTRIBUTION DIAGRAM(W)

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

※Warranty is based on indoor use



AAI Figure (WW)

### ▼ Electronic & output data

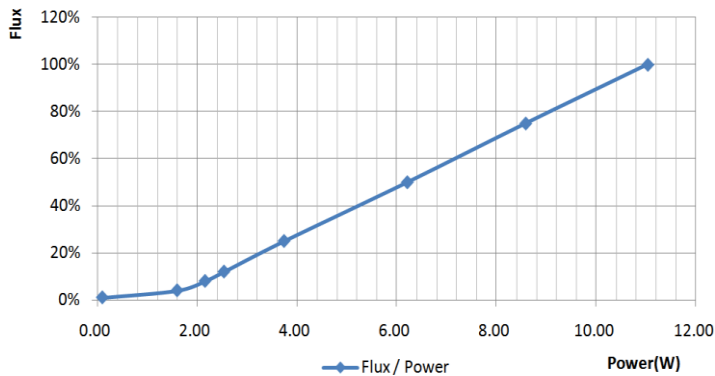
Input voltage: DC24V  
 Typical Powe: 9.61W(1m)/ 40.3W(5m)  
 Max.power: 10.7W  
 Power range: 8.5 ~ 10.7W

Rated current: 0.4A(1m) /1.67A(5m)  
 CRI: >90  
 On-off times: 10000 (test times)  
 Copper foil: 2oz

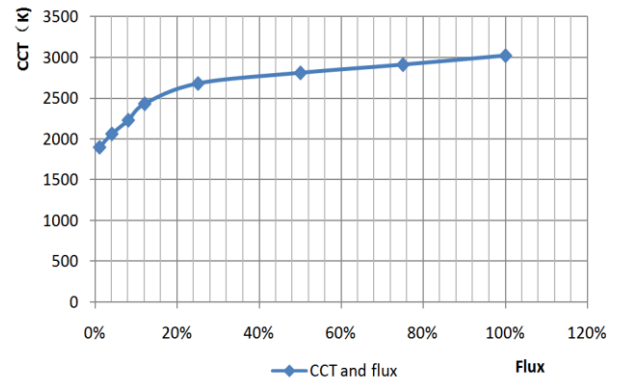
CRI	Color	CCT	Lumen(lm)	lm/W	Energy efficiency class
Ra>90	GW	1900K	/	/	/
Ra>90	GWWW	1900-3000K	/	/	/
Ra>90	WW	3000K	770	94	A+

- 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

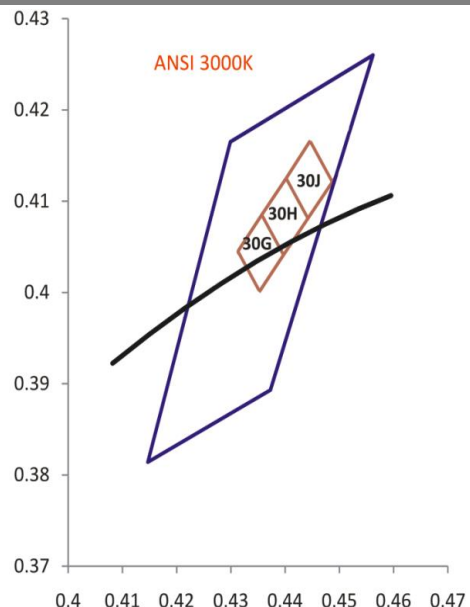
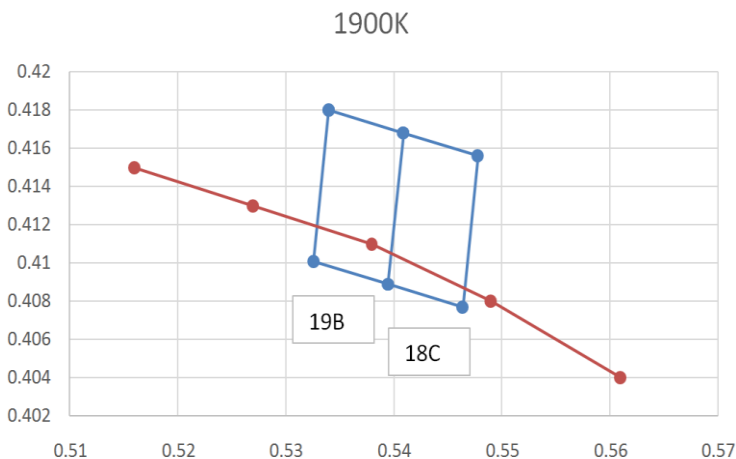
Relationship between power and flux



Relationship between CCT and 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-3000K	100%
NA		Nano-proof	10mm*1.5mm	1900K-3000K	98%

### ▼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
Fixed Clip		94-02-00-0018	Fixed clip, transparent, 3*8mm self-tapping screws, suitable for 10mm FPC,NO/NA LED strip
PWM dimmer		23-02-00-0006	E61 Input voltage: 12-24VDC Output current:6A*1CH Output power: 75W/150W(12V/24V)

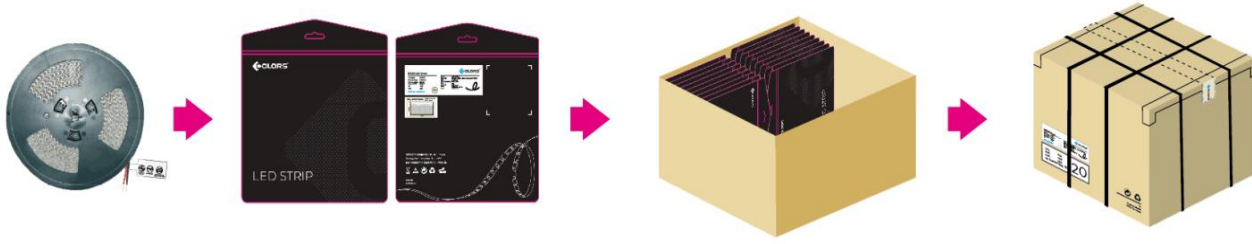
### ▼Order Code Formats

1: Category	2: LED	3: LED/m	4: Voltage	5:FPC Width	6: IP Process	7: CRI	8: CCT
DS	-	8 2835	168 168 LED	24 24V	10 10mm	NO NO NA NANO	9 > 90 GWWW 1900-3000K
DS	-	8	168	24	10	NO	9 GWWW
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	

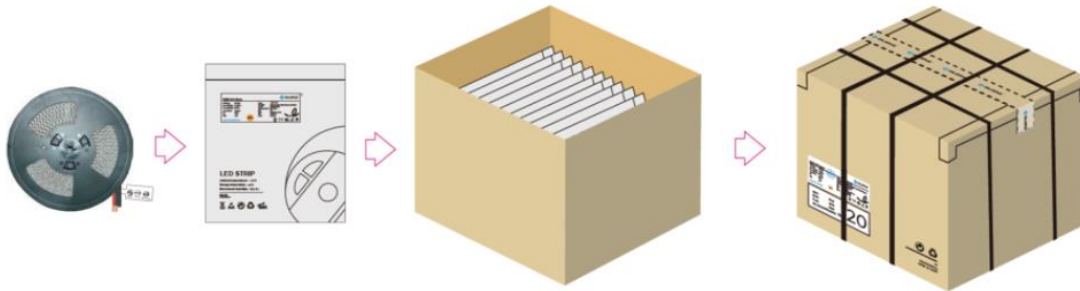
DS81682410NO-8GWWWNSA012WC0500

▼ Packing

Colors brand package



General customized package

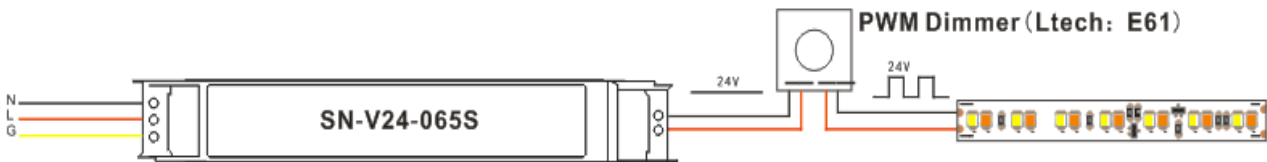


IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box (kg)	Gross weight (kg)	Package size (cm)
NO	5000*10*1.5	5	250	0.135	6.75	7.763	41*41*26
NA	5000*10*1.5	5	250	0.137	6.85	7.878	41*41*26

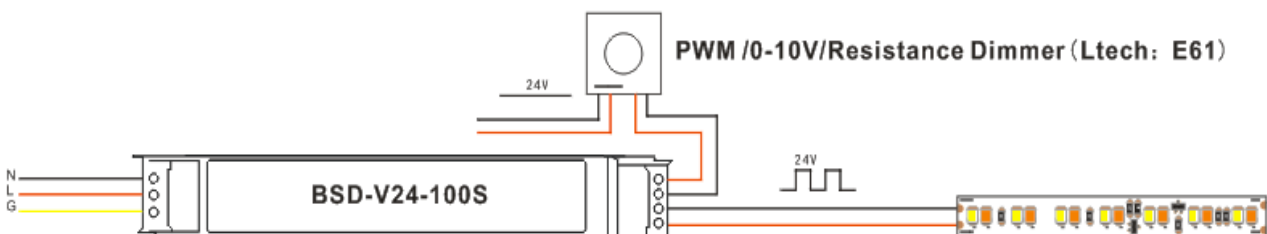
Remark: data with 10% tolerance

▼ Connection diagram

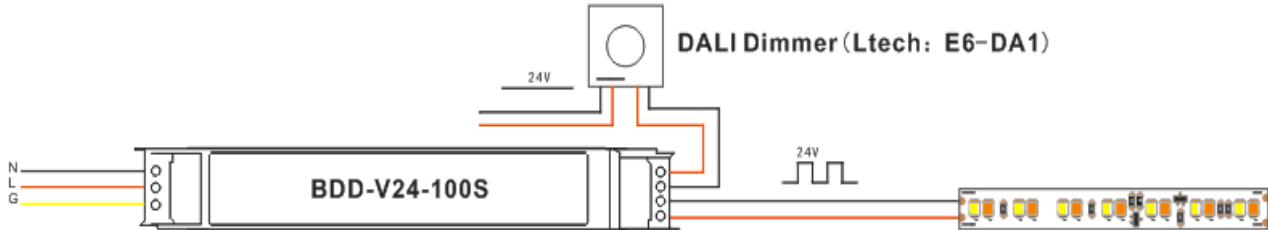
Model 1: Non-Dimmable Constant Voltage LED Driver+PWM Dimmer



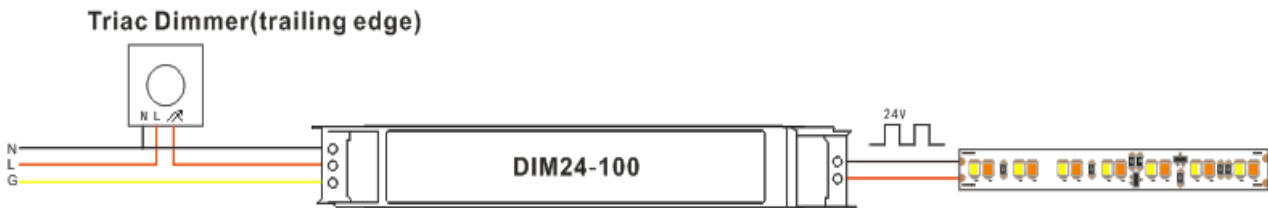
Model 2: PWM /0-10V/Resistance 3 in 1-Dimmable Constant Voltage LED Driver+PWM /0-10V/Resistance Dimmer



### Model 3: DALI-Dimmable Constant Voltage LED Driver+DALI Dimmer



### Model 4: Triac-Dimmable Constant Voltage LED Driver+Triac Dimmer



## ▼ 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).