

Specification

Toning series-DS8168GWW-24V-10mm



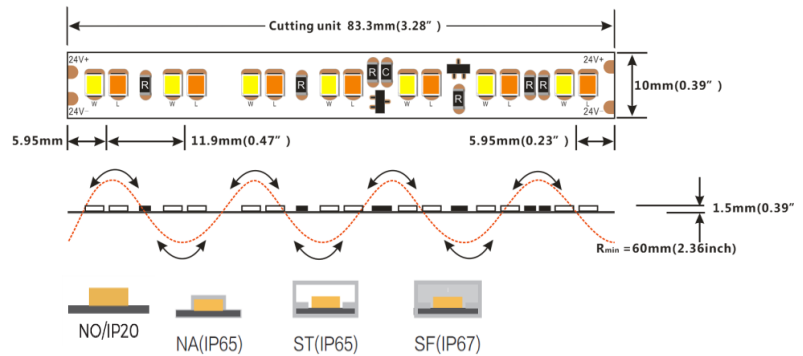
General description

- ※Dim to warm strip, widely adapted with PWM controllers
- ※1900K+3000K design
- ※With life span over 36000H
- ※Ta: -25~40° C; Tc: 75° C (max)



Dimensions

Max.length: 5000mm(16.4')
Cutting unit: 14leds/83.3mm
LED pitch: 11.9mm(0.47")
Min. bend diameter: Φ 60mm(2.36inch)
Mounting: 3M tape
IP: IP20/IP65/IP67

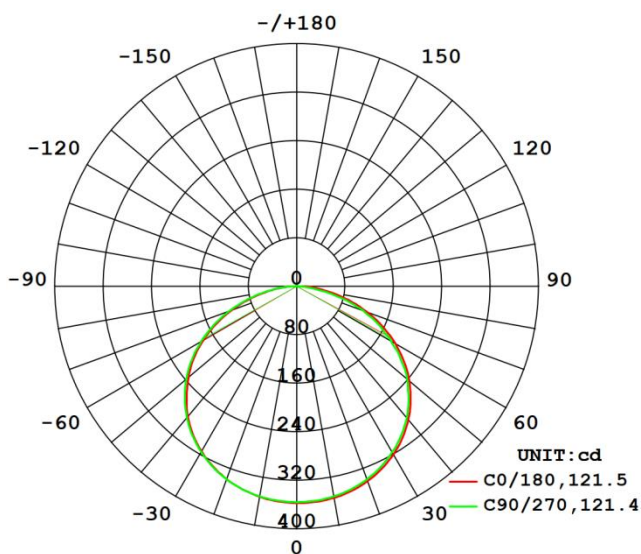


Electronic & output data

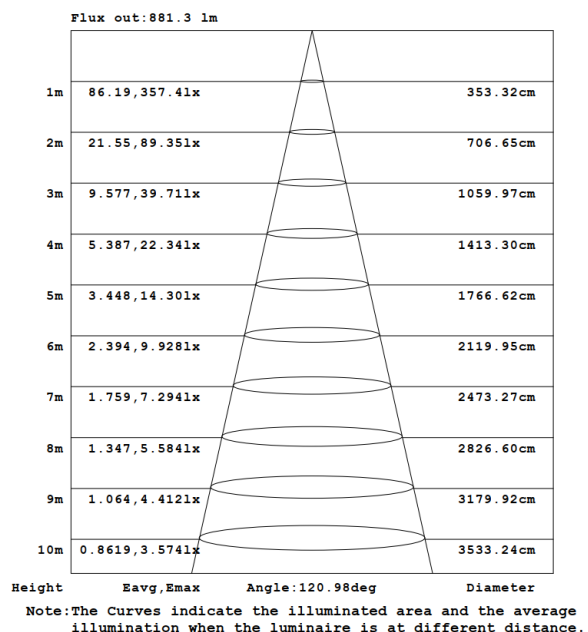
Input voltage: 24VDC
Rated current: 0.4A(1meter) /1.67A(5meter)
Typical Power: 9.61W(1meter) (2.93W/FT)/40.3W(5meter)
Power range: 8.5~10.7W(1meter)
Max.power: 10.7W(3.26W/FT)/m (If=36mA)
CRI: 95
On-off times: 10000 (test times)

Color	GW	GW+WW	WW
CCT	1900K	/	3000K
Lumen	/	/	850lm
Lm/W	/	/	89 Lm/W
Energy efficiency class	/	/	A+

1.The tolerance of output data can be vary up to 10%
 2.the output data tested according to IES TM-30-15
 3.the output data is based on IP33/1merter



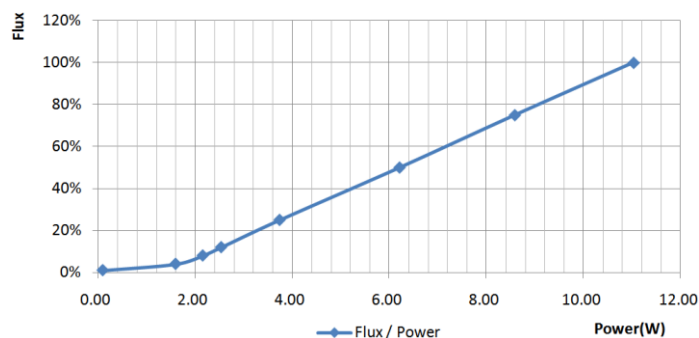
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM(WW)



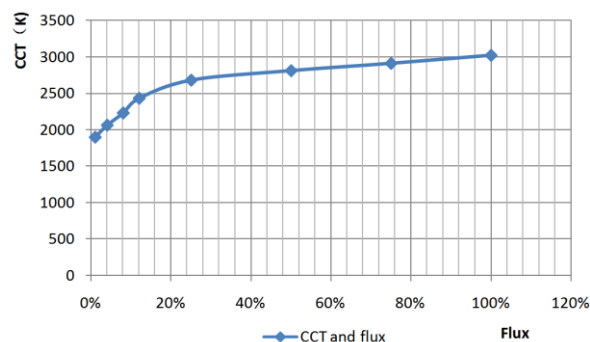
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM(WW)



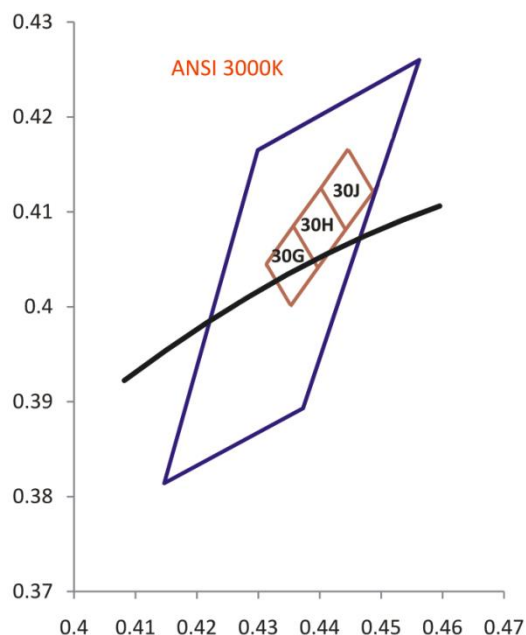
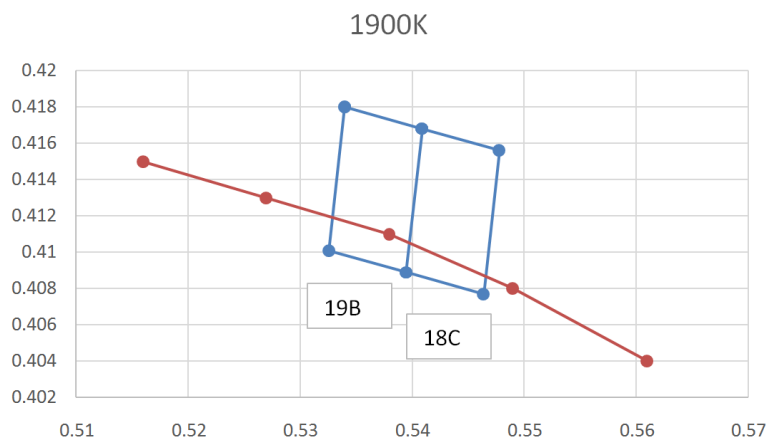
Relationship between power and flux



Relationship between CCT and flux



BIN Code



Accessories Information

Type	Name	Picture	Code	Remark
wire	red and black cable		94-01-00-0003 (head) 94-01-00-0004 (tail)	18AWG L=120mm
wire with connector	Two core SM-male wire		94-01-00-0014	18AWG L=210mm
	Two core SM-female wire		94-01-00-0015	18AWG L=210mm
Connector for wire and FPC	Solder free terminal		94-03-00-0037	10mm width IP33-2PIN
	Solder free terminal		94-03-00-0045	10mm width IP55-2PIN
Connector for FPC and FPC	Solder free terminal		94-42-621020004	10mm width IP33-2PIN
	Solder free terminal		94-03-00-0049	10mm width IP55-2PIN
Connector for wire and wire	single pin, "-"shape wire connector		94-01-00-0044	Wire Diameter < 2.1mm
	single pin, "T" shape wire connector		94-01-00-0043	Wire Diameter < 2.1mm
	double pin, "-"shape wire connector		94-01-00-0046	Wire Diameter < 2.1mm
	double pin, "T" shape wire connector		94-01-00-0045	Wire Diameter < 2.1mm
	Split-box		94-01-00-0047	Wire Diameter < 2.1mm
	Quick wiring		94-01-00-0048	Wire Diameter < 2.1mm
Fixed Clip	Fixed Clip		94-02-00-0016	10mm width IP55
	Fixed Clip		94-02-00-0018	10mm width IP33
	Fixed Clip		94-02-00-0003	10mm width IP65 IP67



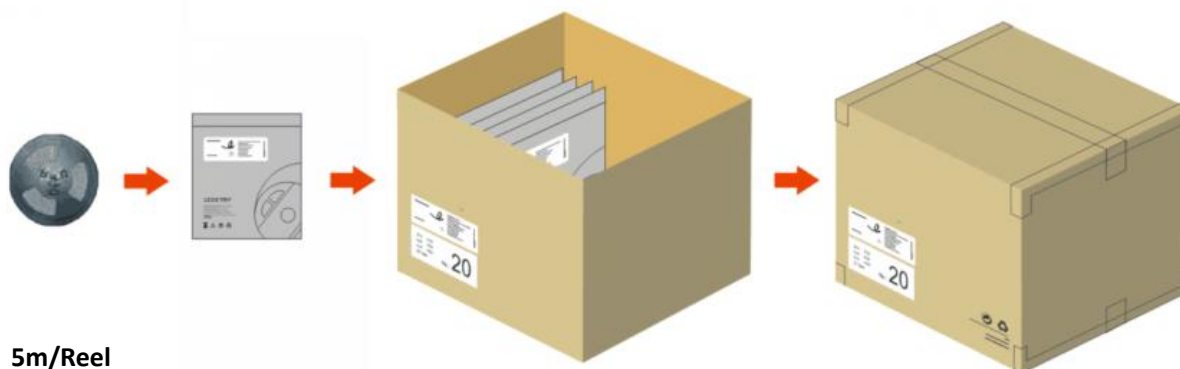
Order Code Formats

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	8	>80	GW	1900K
										NA	NA			WW	3000K
										ST	ST				
										SF	SF				
9:Silk Printing			10: Entery cable		11:Wire type			12:Wire length		13:Tape type		14:Label Type		15: Strip Length	
C	COLORS	S	Single	A	red and black cable		012	12cm	W	White 3M	C	COLORS	0050	0.5m	
S	customized	D	doubel	B	SM-male wire		015	15cm	Y	Yellow 3M	S	customized	0100	1m	
N	Neutral	X	Nothing	C	SM-female wire		020	20cm	R	Red 3M			0200	2m	
				X	Nothing		050	50cm	X	Nothing			0500	5m	
							000	Nothing							

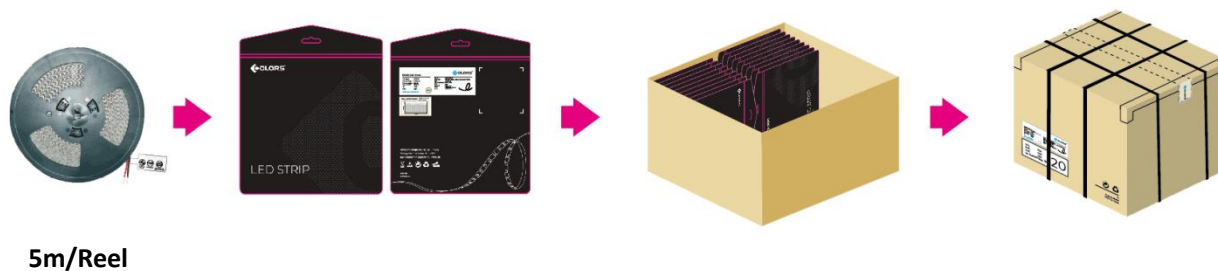
DS81682410XX-8GWWWXXA012WX0500

Packing

1.Conventional packaging of NO(IP20)/ NA(IP65)/ ST(IP65)/SF(IP67)。

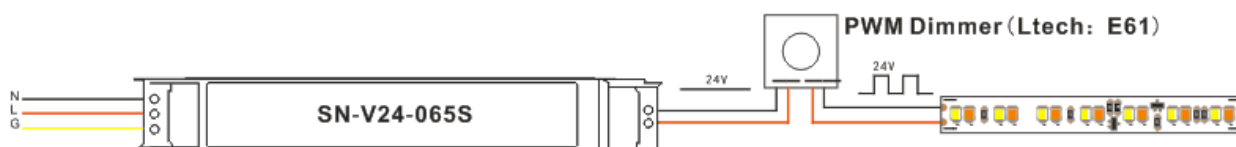


2.Colors Brand packaging of NO(IP20) /NA(IP65)/ST(IP65)/SF(IP67)。

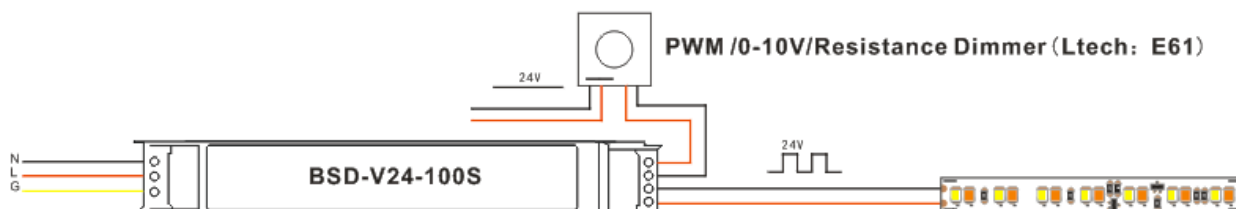


Connection diagram

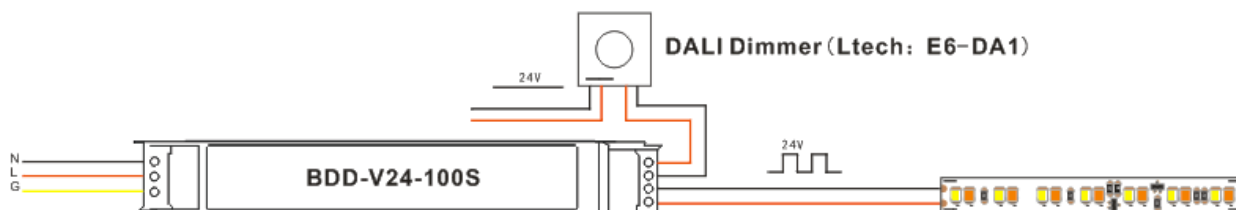
Model 1: Non-Dimmable Constant Voltage LED Driver+PWM Dimmer



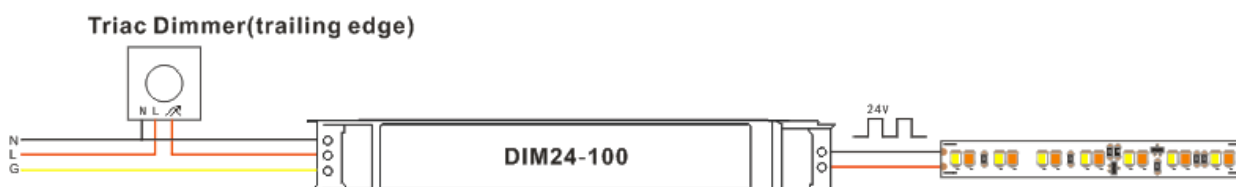
Model 2: PWM /0-10V/Resistance 3 in 1-Dimmable Constant Voltage LED Driver+PWM /0-10V/Resistance Dimmer



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



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



Remarks: the current for the strip must be PWM mode



Disclaimer

- ※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: -20 °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).

