



specialized
lighting concepts



Linear Series

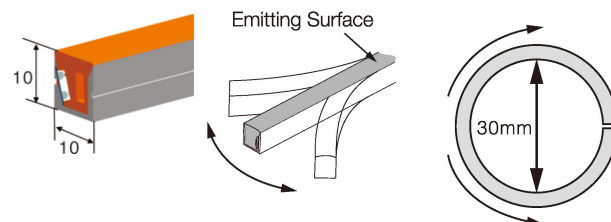
LED Neon Flex

Model: GS-FNF1010-12/24-CC



Side Bending 10x10mm Silicone Neon Flex Mono Color

Model: FNF1010-12/24-CC

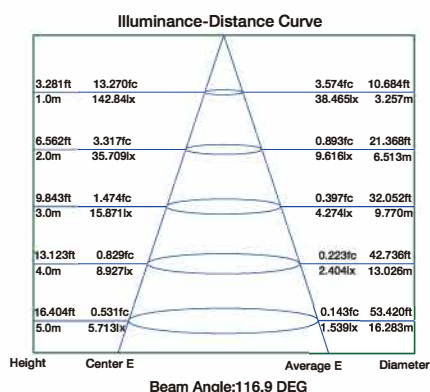
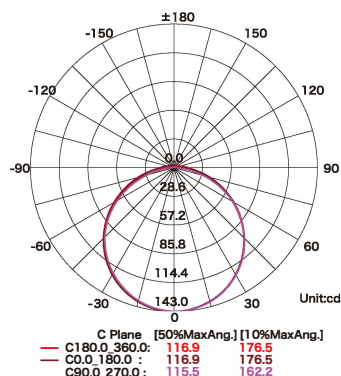


Dimension	Vertical Bending	Min. Bending Diameter
 Beam Angle	 One Bin	 Dimmable
 Ansi C78.377	 Waterproof	 Ambient Temp.
 Class 3	 LM-80	 IK08
 Saltwater Resist	 Solvents Resist	 UV Resistant
 Dirt Resistant	 CE	 Anti-Yellowing
 RoHS	 Flame Resistant	 3 years warranty

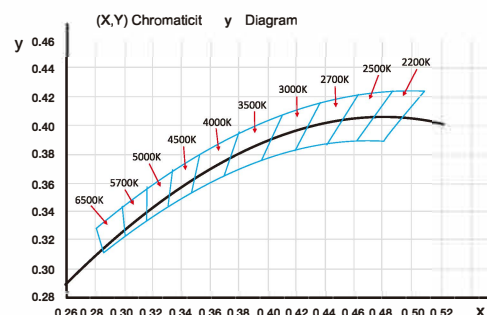
Technical Parameters

Electrical		Optional Color		Lumen Output
Input Voltage	12V/24V DC		2200K(2238±102K)	480lm/m
Power Consumption	8W/m		2700K(2725±145K)	480lm/m
Physical			3000K(3045±175K)	500lm/m
LED Qty	120LEDs/m		3500K(3465±245K)	500lm/m
LED Spacing	8.33mm		4000K(3985±275K)	500lm/m
Cutting Unit	3LEDs @12V DC; 6LEDs @24V DC		4500K(4503±243K)	510lm/m
Cutting Unit Length	25mm@12V DC; 50mm @24V DC		5000K(5209±283K)	510lm/m
Output			6500K(6532±510K)	510lm/m
LED Type	SMD2835		Green(520-530nm)	550lm/m
CRI	>80Ra, >90Ra		Blue (520-530nm)	90lm/m
Max. Run Length *			Red (620-630nm)	200lm/m
Single Power Feed	5m		Amber(585-595nm)	370lm/m
Double Power Feed	10m		Pink	
Beam Angle	120°		Purple	
Lumen Maintenance	50,000 Hrs L70@25°C 35,000 Hrs L70@50°C		Ice Blue	
Temperature Ranges				
Installation	0°C to 50°C			
Operating	-40°C to 55°C			
Dependability				
Warranty	3 years warranty			
IP Rating	Ip67 Protection			

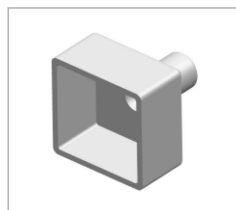
Illuminance Distribution



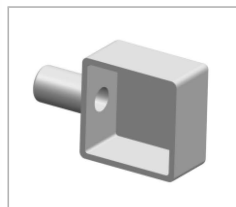
White Color Charts



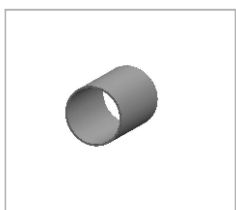
■ Accessories



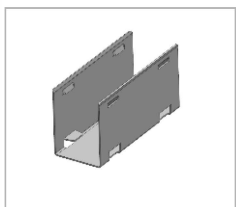
Straight Outlet Plug Cap



Side Outlet Plug Cap

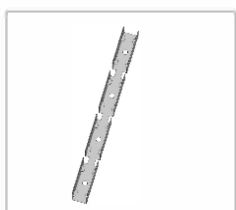


Stainless Steel Ring
To fix the cable with plug cap



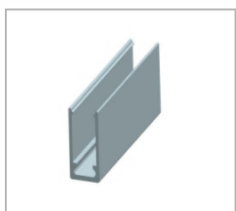
Stainless Steel Mounting Clip

L: 30mm
W: 10.8mm
H: 8.4mm
D: 3.5mm



Flexible Stainless Steel Mounting Channel

L: 1,000mm to 5,000mm
W: 10.8mm
H: 8.4mm
D: 3.5mm



Aluminum Mounting Clip

L: 40mm
W: 11.8mm
H: 13.7mm



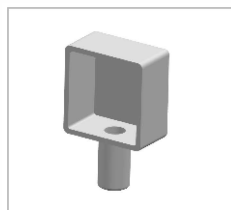
Aluminum Mounting Channel

L: 1000mm
W: 11.9mm
H: 14mm

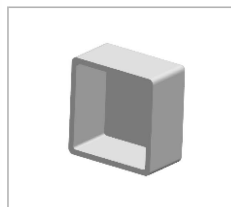


2464 24AWG 2cores cable

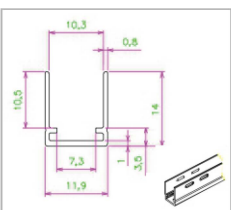
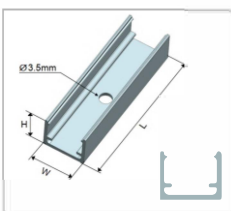
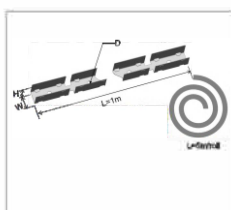
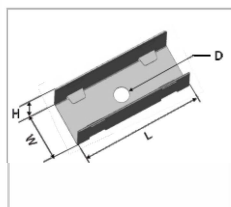
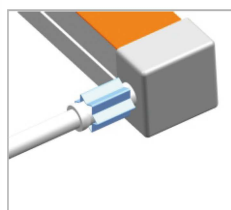
Length: 30cm



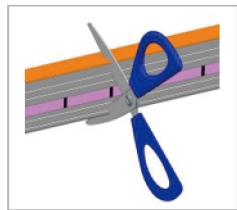
Bottom Outlet Plug Cap



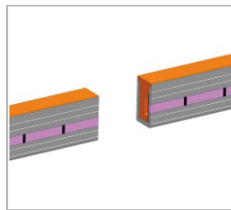
End Cap



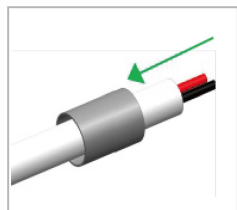
■ Cutting & Installation



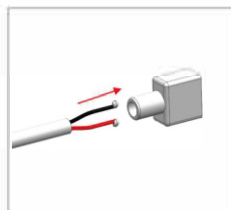
- ① Cutting
Cutting at the black dot of cutting window



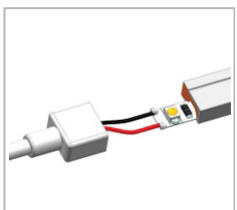
- ② After Cutting



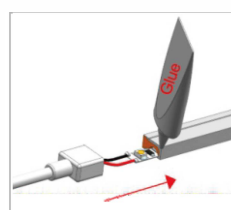
- ③ Install Ring
Insert cable into stainless steel ring



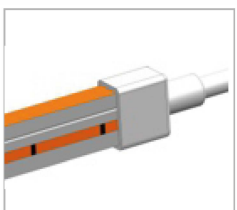
- ④ Thread Wire
Thread wire through the plug cap



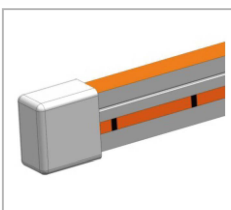
- ⑤ Welding Wire
*RGB Color:
Black wire welding to the "+" point of PCB
Red wire welding to the "R" point of PCB
Green wire welding to the "G" point of PCB
Blue wire welding to the "B" point of PCB



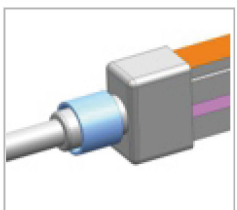
- ⑥ Glue
Apply silicone glue into the end cap and around the surface of neon flex end.



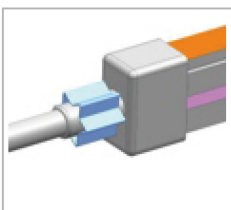
- ⑤ Install Plug Cap
Cover the plug cap onto the neon flex and fix it. Waiting for glue to dry.



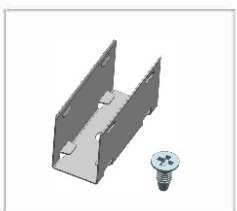
- ⑥ Install End Cap
Cover the end cap onto the neon flex and fix it. Waiting for glue to dry.



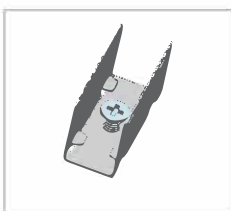
- ⑦ Stamp Ring
After glue dry, stamp the ring fixed to the cable and outlet tube of cap.
* This is assembled at Factory only.



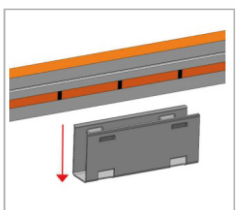
- ⑧ Finished Stamping Ring
* This is assembled at Factory only.



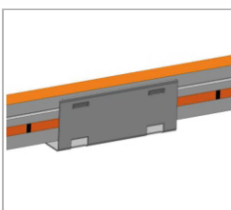
- ⑤ Install Mounting Clip/Channel
Fix the mounting clips /channels with 3M Screws at the proper position.



- ⑥ After Screwing

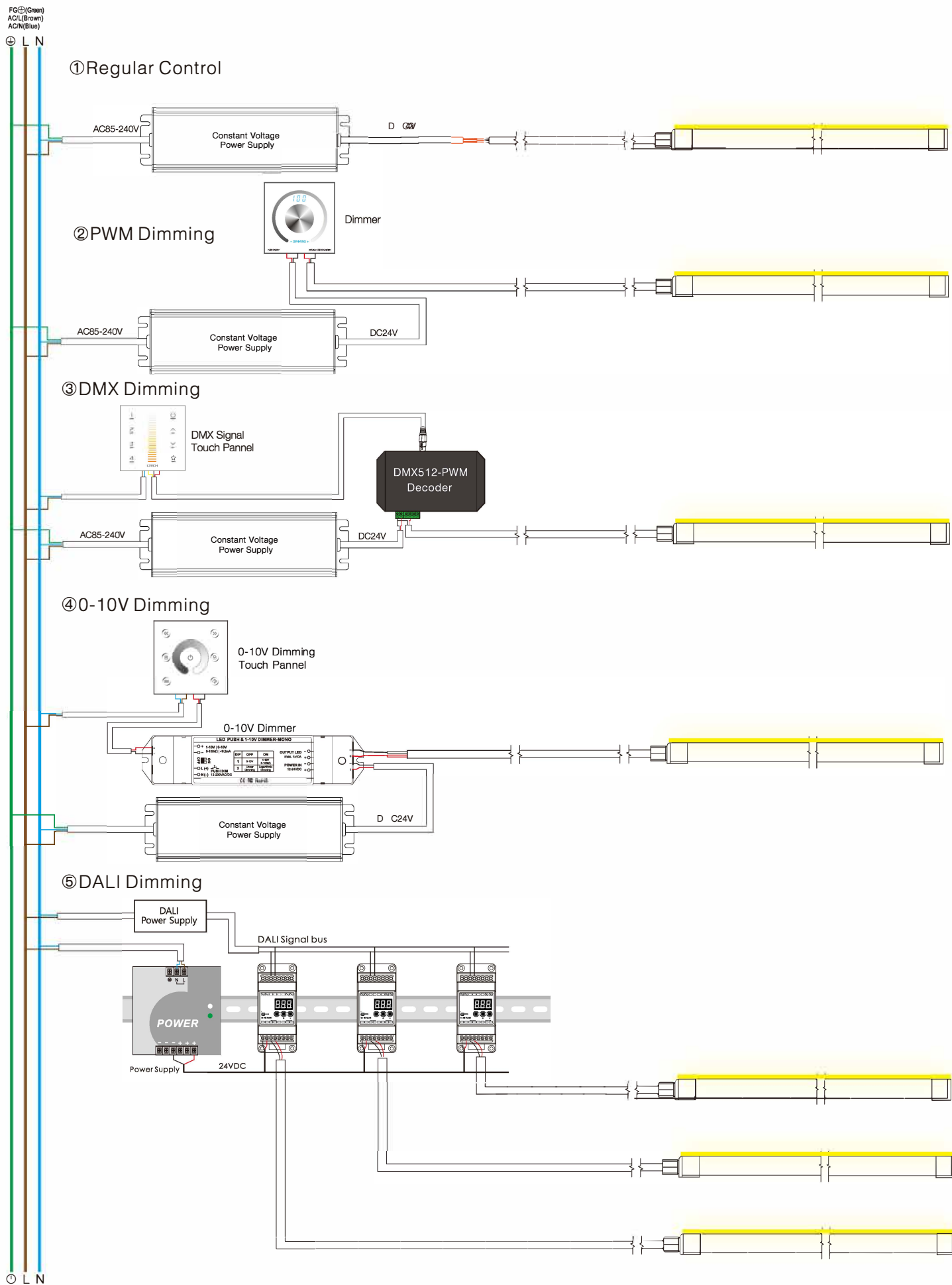


- ⑤ Install LED Neon Flex Linear
Put the LED neon flex into the mounting brackets and let the emitting surface upwards.



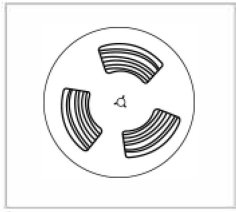
- ⑥ Finished Installation

■ Connection

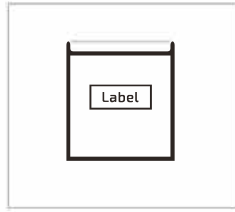


■ Packing Method

① 5 meters per linear



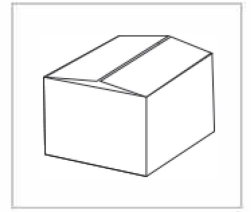
5m/reel



1 roll/bag

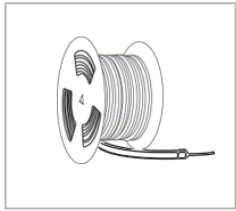


15 bags/CTN

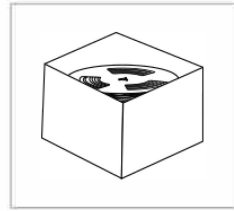


CTN Size: 40x40x26cm
G.W.: 13kg

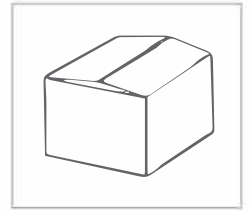
② 50 meters per linear



50m/reel



1 roll/CTN



CTN Size: 34x34x12cm
G.W.: 8.5kg



Announcements

1. Power voltage (DC) should be same as voltage of strip usage and fix safety device .
2. Do not let power on when fixing strips to avoid any risk of strip electronics short circuit, turn on power only under condition of connect and fixing strips well and in right way .
3. Not allowed to use Iron clip to bind strips heavily to prevent it into strips body which leads to short circuit and strip burning.
4. Cut the strips at place where is mark of knife printed on pcb.
5. Only allow to connect strips in series with same voltage and length together not longer than its cascading.
6. Strong connection at cutting place without short circuit risk. When fixing outside, use liquid glass glue sticking connection place well or waterproof connector to guarantee water can not put inside .
7. Voltage driving strips can match dimmer to adjust lighting brightness or color temperature .

8. Do not bend incorrectly or wrap the neon strip like below.

