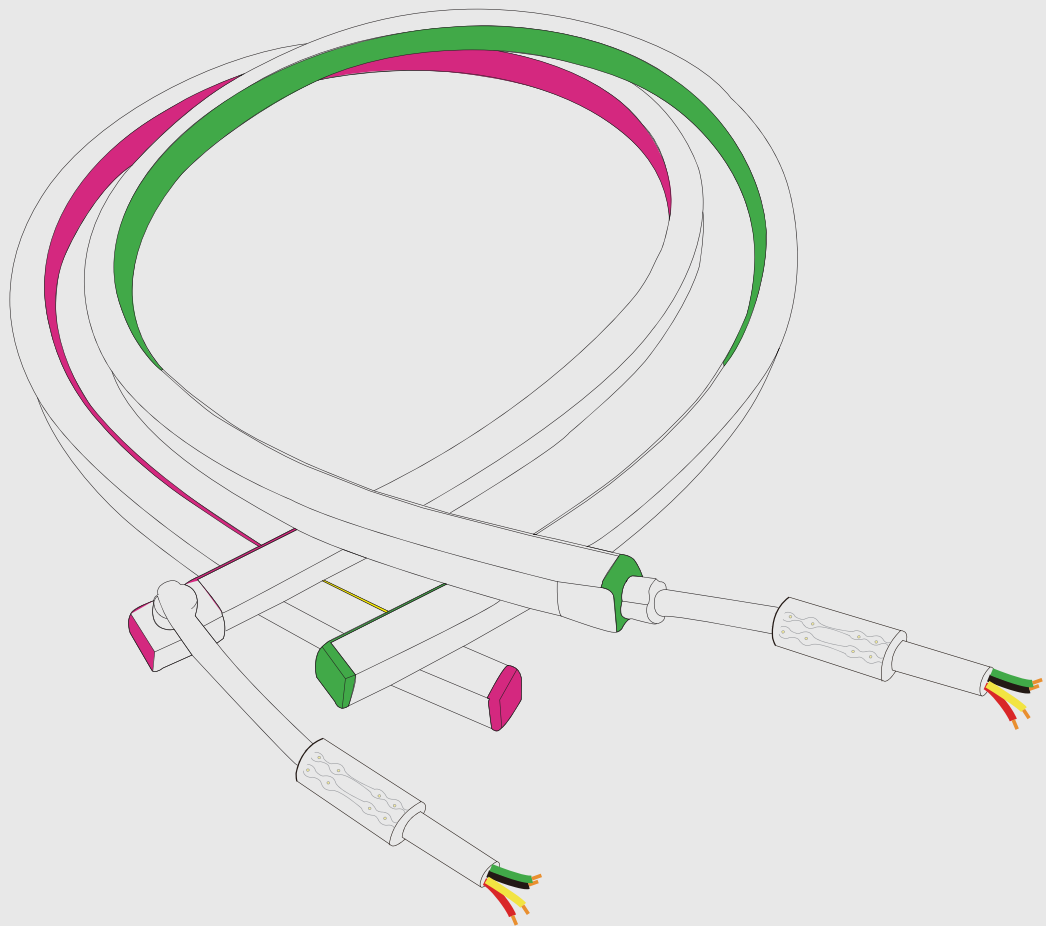


NEONLED

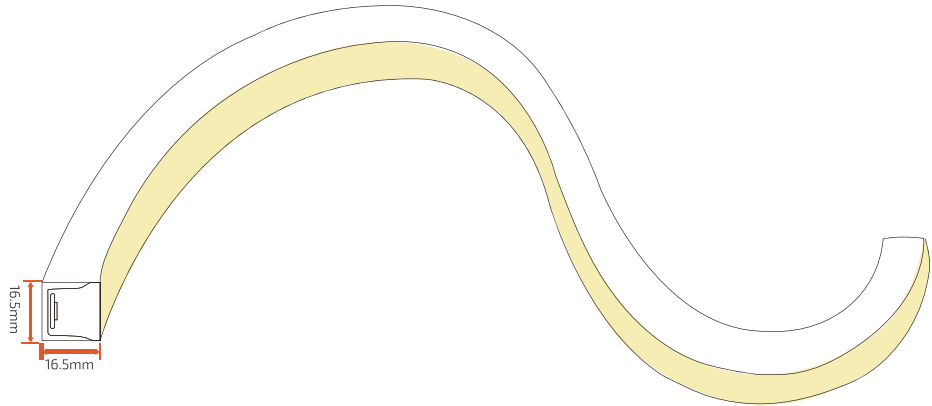


F16 Multi Color RGBW Neon flex

Specification

Dimension

-  Gross weight: 0.43kg/m
-  Dimmable: DALI, 0-10V, DMX, Triac
-  Installation Temp.: 0°C to +55°C
-  Ambient Temp.: -25°C to +55°C
-  Min. Bending : 120mm
-  Beam Angle : 120 degree



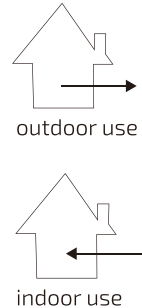
Eco-friendly PVC or Silicone
Housing material optional

Features

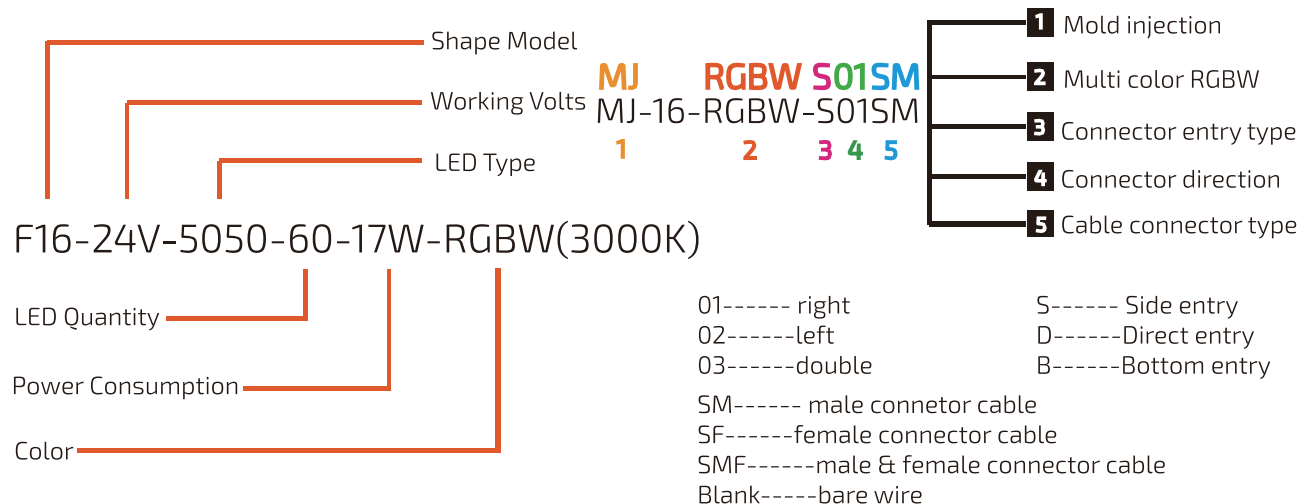
- Uniform and even light output
- Flat surface with 120 degree beam angle
- 72 LEDs per meter, vertical bending
- Connect with Dali, DMX, PWM
- Full encapsulated with IP68 Level
- High Reliability
- 3 or 5 Years warranty

Applications

- Building facade, outline
- Cove lighting
- Sign and advertising lighting
- Linear lighting
- Additional lighting
- Decorative lighting



Model Encoding



For more information

Email: info@neonled.sk

Or visit www.neonled.sk

Technical Specification

Model	F16-24V-5050-60-RGBW	F16-24V-5050-72-RGBW
Operating voltage	24V	24V
Power consumption	17W/M	17W/M
Working Mode	PWM CV	PWM CV
LED type	SMD5050	SMD5050
LED Quantity	60 pcs/m	72 pcs/m
Available Color	RGBW(2200K/3000K/4000K)	RGBW(2200K/3000K/4000K)
Min. cutting Unit	6 LEDs	6 LEDs
Min. cutting length	10cm	8.33cm
Max. length single feed	8m	8m
Max. length double feed	16m	16m
Bending direction	Vertically	
Lumen maintenance	70 000 Hours L70 25°C , 50 000 Hours L70 50°C	
Housing material	Eco PVC or Silicone	
Installation temperature	0°C to -55°C	
Ambient temperature	-25°C to +55°C	
Ingress protection	IP68 wet location submersible* to 2m	
Warranty	3 years as standard, 5 years warranty maximum	

Wave length

Red (R)	630-650nm
Green (G)	530-550nm
Blue (B)	465-475nm
3000K	3045± 175K

Lumen Output

F16-24V-5050-60-RGBW(3000K)

Red Color

Lumen : >35lm/m

3000K

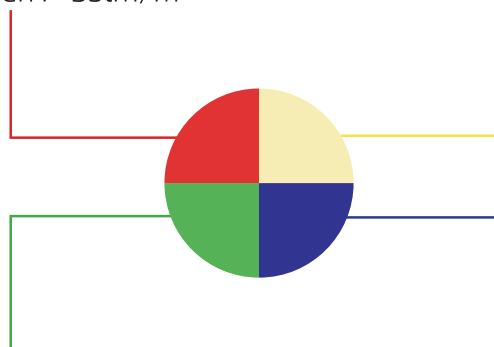
Lumen : >35lm/m

Green Color

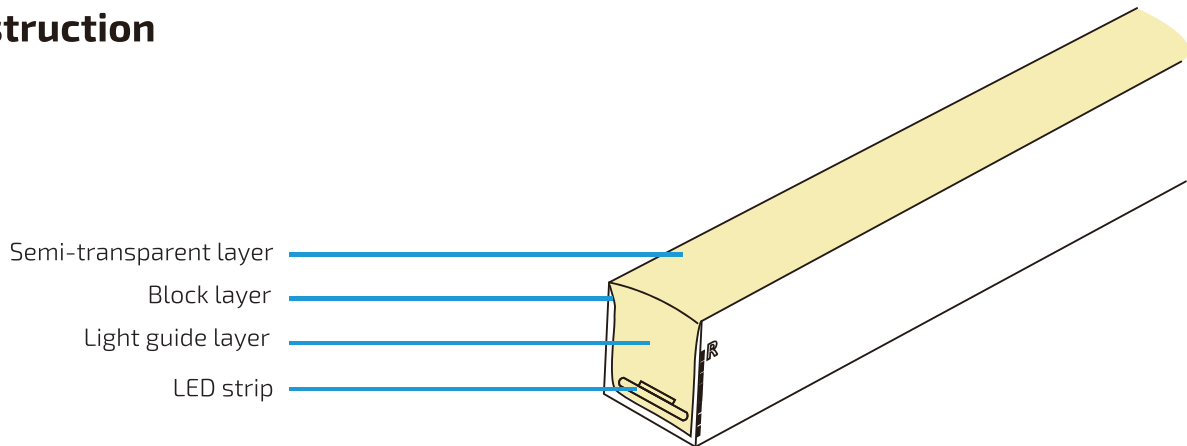
Lumen : >100lm/m

Blue Color

Lumen : >25lm/m

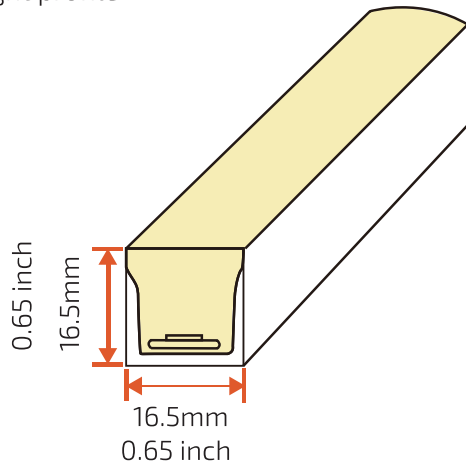


Construction

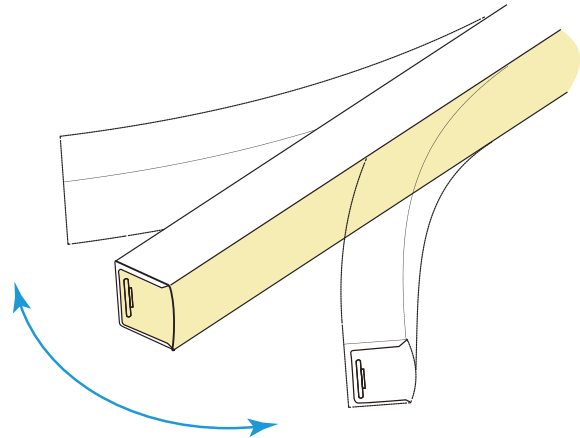


Physical Specification

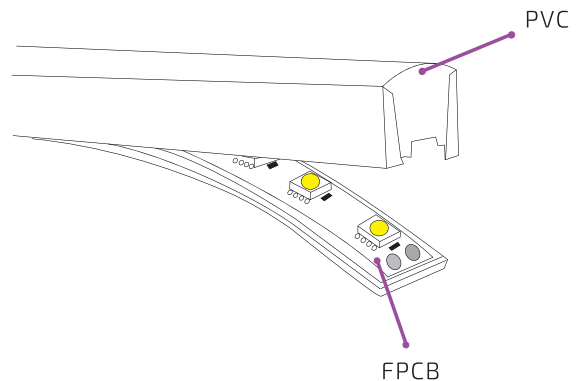
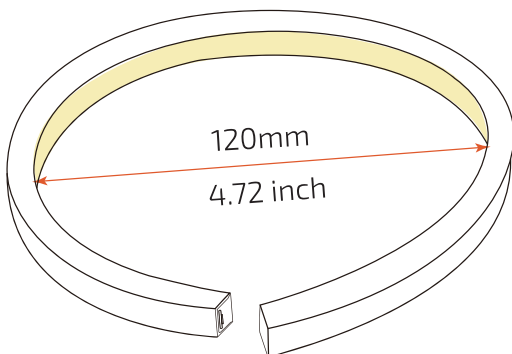
Light profile



Bending direction



Min. bending diameter



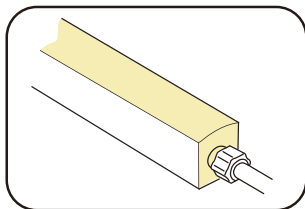
[For more information](#)

Email: info@neonled.sk

Or visit www.neonled.sk

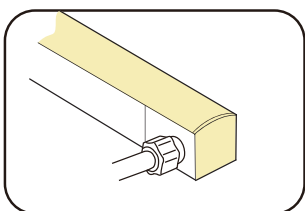
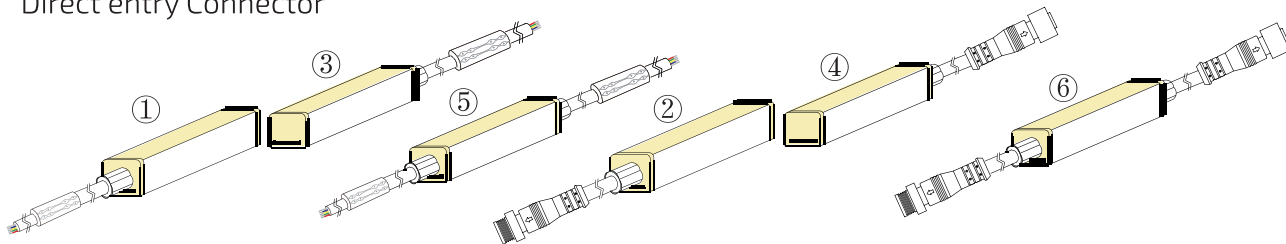
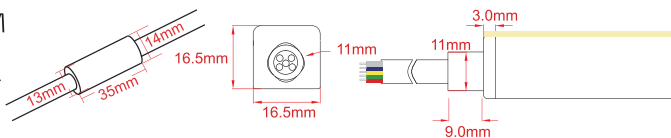
Mold injection connector

(IP68 Factory Assembly only)



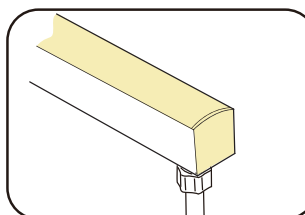
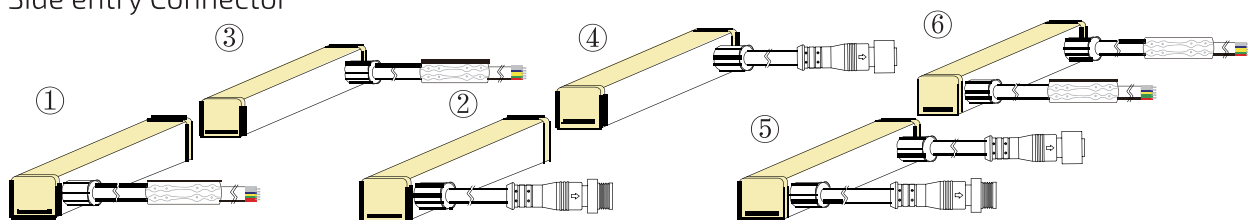
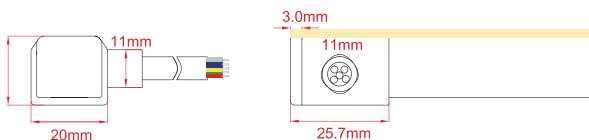
Direct entry Connector

- ① MJ-16-RGBW-D01
- ② MJ-16-RGBW-D01SM
- ③ MJ-16-RGBW-D02
- ④ MJ-16-RGBW-D02SF
- ⑤ MJ-16-RGBW-D03
- ⑥ MJ-16-RGBW-D03SFM



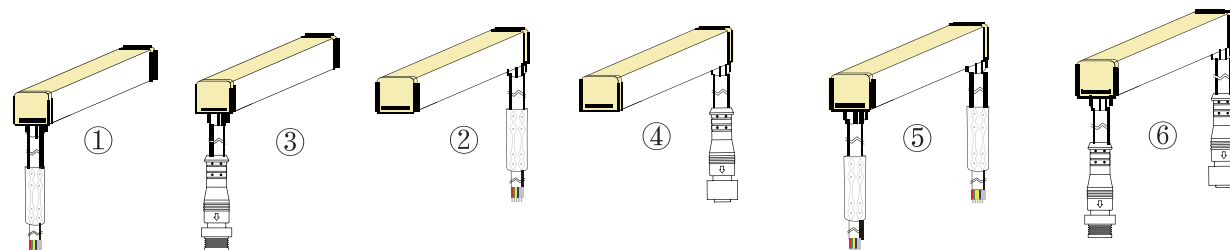
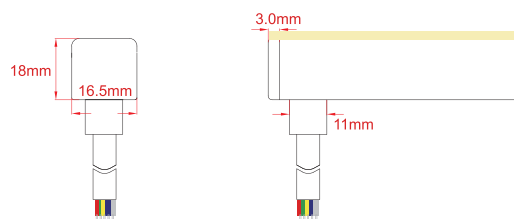
Side entry Connector

- ① MJ-16-RGBW-S01
- ② MJ-16-RGBW-S01SM
- ③ MJ-16-RGBW-S02
- ④ MJ-16-RGBW-S02SF
- ⑤ MJ-16-RGBW-S03
- ⑥ MJ-16-RGBW-S03SFM



Bottom entry Connector

- ① MJ-16-RGBW-B01
- ② MJ-16-RGBW-B01SM
- ③ MJ-16-RGBW-B02
- ④ MJ-16-RGBW-B02SF
- ⑤ MJ-16-RGBW-B03
- ⑥ MJ-16-RGBW-B03SFM



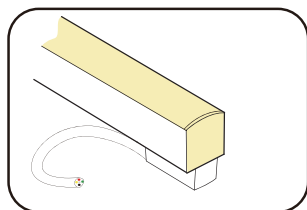
For more information

Email: info@neonled.sk

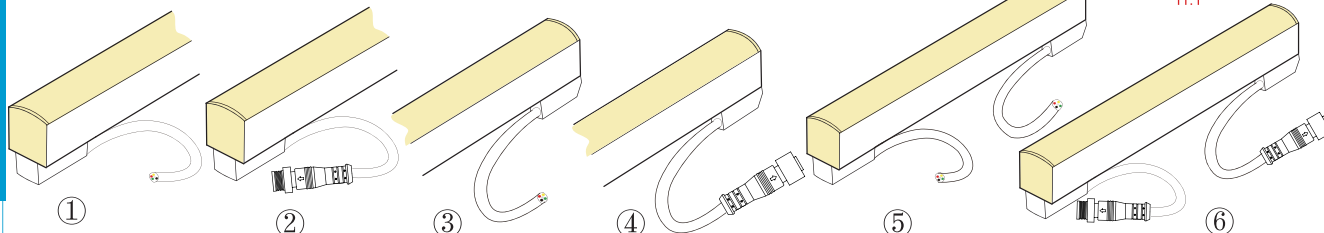
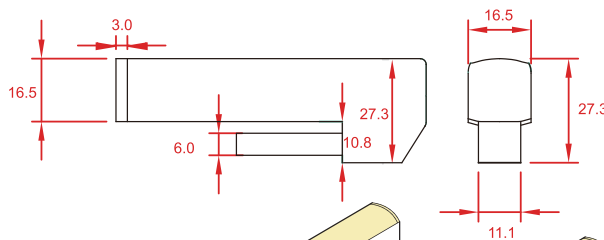
Or visit www.neonled.sk

Mold injection Connector

(IP68 Factory Assembly only)



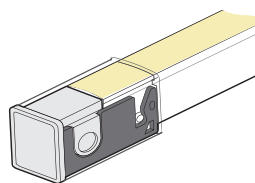
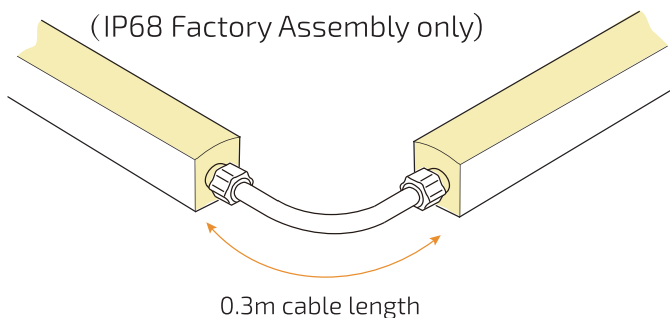
- ① MJ-16-RGBW-L01
- ② MJ-16-RGBW-L01SM
- ③ MJ-16-RGBW-L02
- ④ MJ-16-RGBW-L02SF
- ⑤ MJ-16-RGBW-L03
- ⑥ MJ-16-RGBW-L03SMF



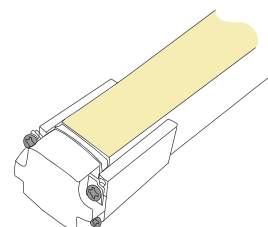
DIY Screw & Snap Connector Kit

Mold injection Jumper
(IP68 Factory Assembly only)

(IP67 Only)



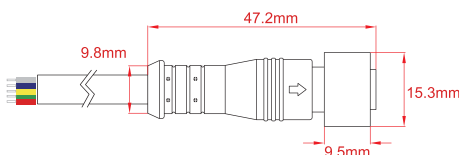
DIY snap end cap



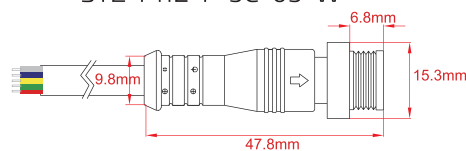
DIY screw end cap

Other Accessories

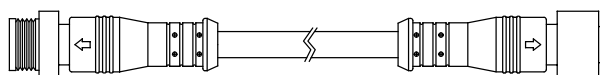
Female & Male Connector



Female connector wire
SYZ-M12-F-5C-05-W



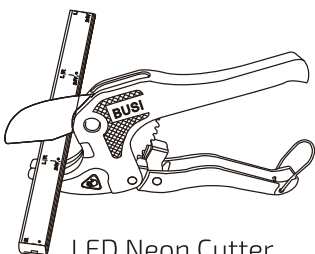
Male connector wire
SYZ-M12-M-5C-05-W



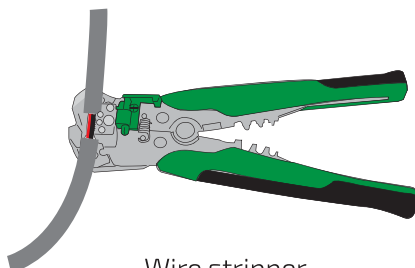
For more information

Email: info@neonled.sk

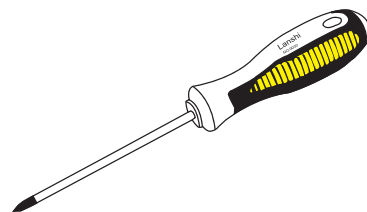
Or visit www.neonled.sk



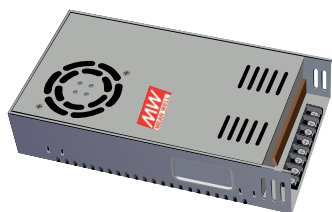
LED Neon Cutter
ACC-TOOL-C1



Wire stripper
ACC-TOOL-WS01



Screwdriver
ACC-TOOL-C2



Mean Well Transformer
Non-waterproof Series



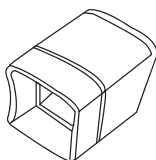
Mean Well Transformer
Waterproof Series



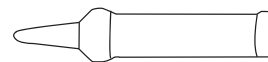
Female & male wire connector
KJ-M12-4P-F/ KJ-M12-4P-M



Silicone Rubber
K-5905

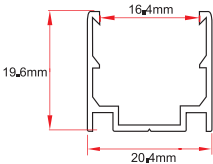
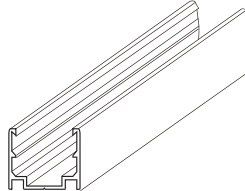
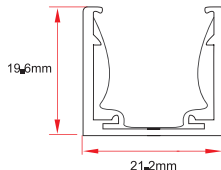
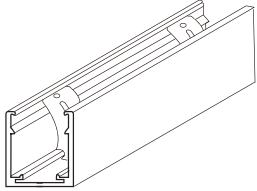
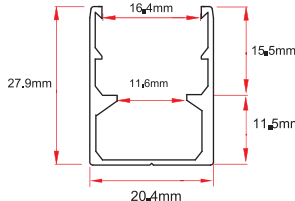
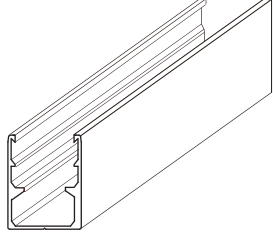
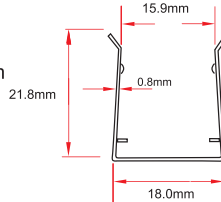
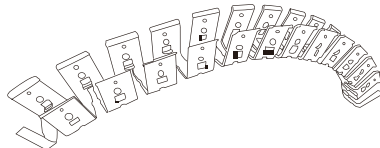
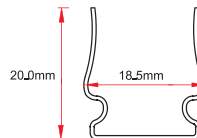
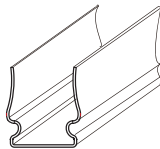
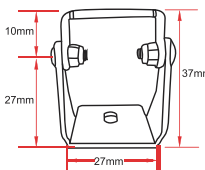


PVC End Cap
DIY-PVC-END-16



Assistant Tool
ACC-TOOL-C3

Mounting Channel

Model	Description	Dimension	Drawing
ALC16S02	Use for : F16 Length option: 1m, 2m, 35mm Material: Aluminum alloy Optional color: AS/AB/PW Type: Standard		
ALC16S03	Use for : F16 Length option: 1m, 2m, 35mm Material: Aluminum alloy Optional color: AS/AB/PW Type: Anti-drop for upside down installation		
ALC16H01	Use for : F16 Length option: 1m, 2m, 35mm Material: Aluminum alloy Optional color: AS/AB/PW Type: Cable hiding		
SSC16FLX	Use for : F16 Length option: 10cm, 30cm, 50cm, 100cm Material: Stainless steel Optional color: Polished Type: Flexible		
SSC16S01	Use for : F16 Length option: 5cm Material: Stainless steel Optional color: Natural color Type: 316 stainless steel		
ACC-HX-S2830C2	Use for mounting channel for angle adjustment		

For more information

Email: info@neonled.sk

Or visit www.neonled.sk

Packing

Standard: Carton (Paper reel inside)



Fixture Length

787.4in(20m)

Paper Reel

D12.99*H6.18in(33*15.7cm)

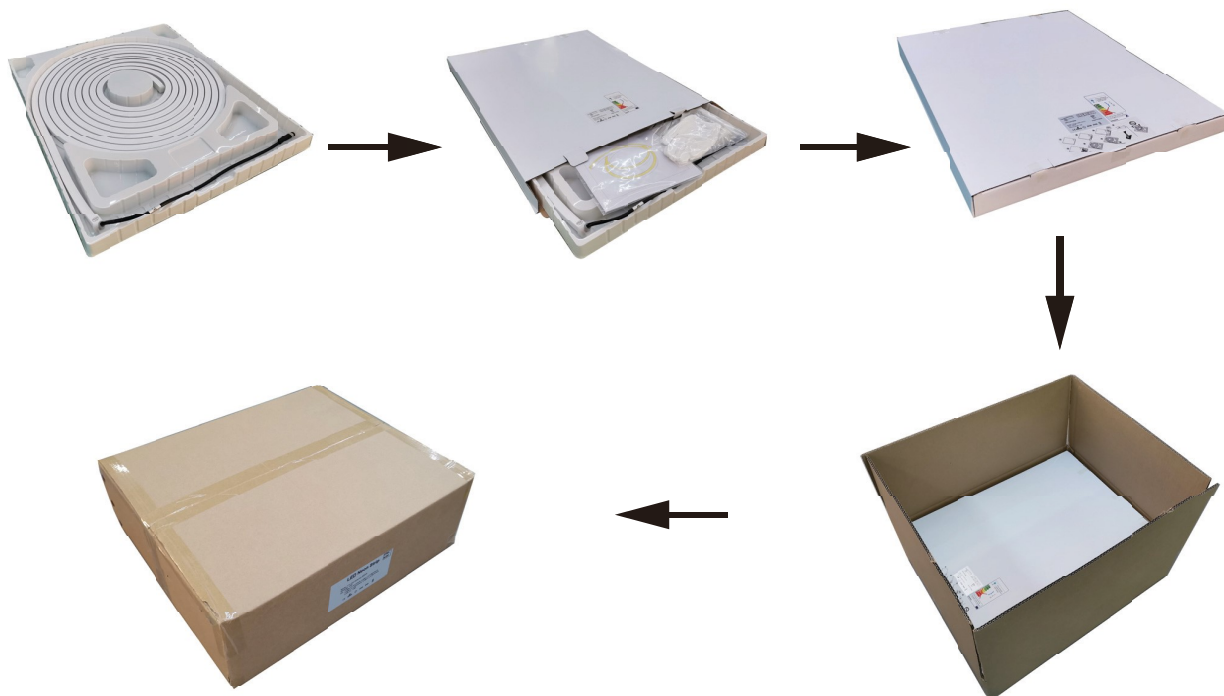
Carton Dimension

33*33*18cm

Gross Weight

17.63 lbs (10.4 kg)

Custom: Carton (White box+plastic plate inside)



Fixture Length

393.7in(10m)

White box Dimension

21.6*1.38*18.9in(55*3.5*48cm)

Carton Dimension

57*49*19cm

White box Quantity

Max 5pcs

Gross Weight

57.32 lbs (26 kg)



F16 Multi color RGBW led neon flex

Testing

1. Please note it is under normal range if there is 20-30% yellowing of PVC housing material when the product is used under direct sunlight or long-term high temperature & wet environment in 3 years.
2. About the tolerance range of optical parameters (luminance, CCT, Watt, RA) for all product, the volume is plus and minus 10% fluctuation referring to IEC Standard.
3. It's normal for the tolerance range in total length, it occurs from the different production technology, environmental temperature and installation. the volume would be 0.1-5M $\pm$ 7mm, 5.1-10M $\pm$ 15mm, 10.1-20M $\pm$ 30mm.

[For more information](#)

Email: info@neonled.sk

Or visit www.neonled.sk

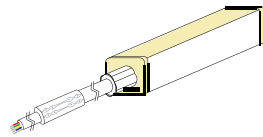
Loading Chart

Power supply

Rated power	35W	60W	75W	80W	100W	120W	150W	185W	240W	320W
17W	1.5m	2.5m	3.5m	3.8m	4.5m	5.5m	7m	8.5m	10m	/

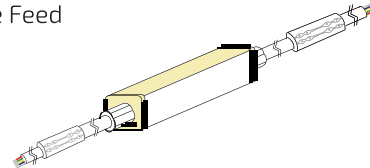
Lead Type

Single Feed



PWM Signal and DC input

Double Feed



PWM Signal and DC input

Note: These are the max recommended run lengths based on power supply
For example: It is recommended to use one 80W power supply for a single-feed run of 3.8m at 17W/m.

Recommendation of extension wire

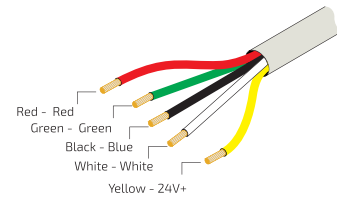
Maximum extension wire length according to Light power

Watts of light	22AWG 0.34mm ²	20AWG 0.53mm ²	18AWG 0.82mm ²	17AWG 1.04mm ²	16AWG 1.38mm ²	14AWG 2.07mm ²	12AWG 3.29mm ²	10AWG 5.62mm ²
10W	36m	60m	100m	120m	140m	240m	400m	600m
20W	18m	30m	50m	60m	70m	120m	200m	300m
30W	12m	20m	30m	38m	45m	80m	130m	200m
40W	8m	15m	22m	28m	35m	60m	95m	140m
50W	6m	12m	18m	22m	28m	48m	75m	105m
60W	5m	10m	15m	18m	22m	36m	60m	88m
70W	/	8m	12m	14m	18m	30m	50m	72m
80W	/	6m	10m	11m	14m	24m	40m	58m
90W	/	4m	7m	8m	10m	18m	30m	45m
100W	/	/	5m	6m	7m	12m	22m	32m
110W	/	/	3m	4m	5m	8m	15m	22m
120W	/	/	2m	2.5m	3m	0m	8m	12m

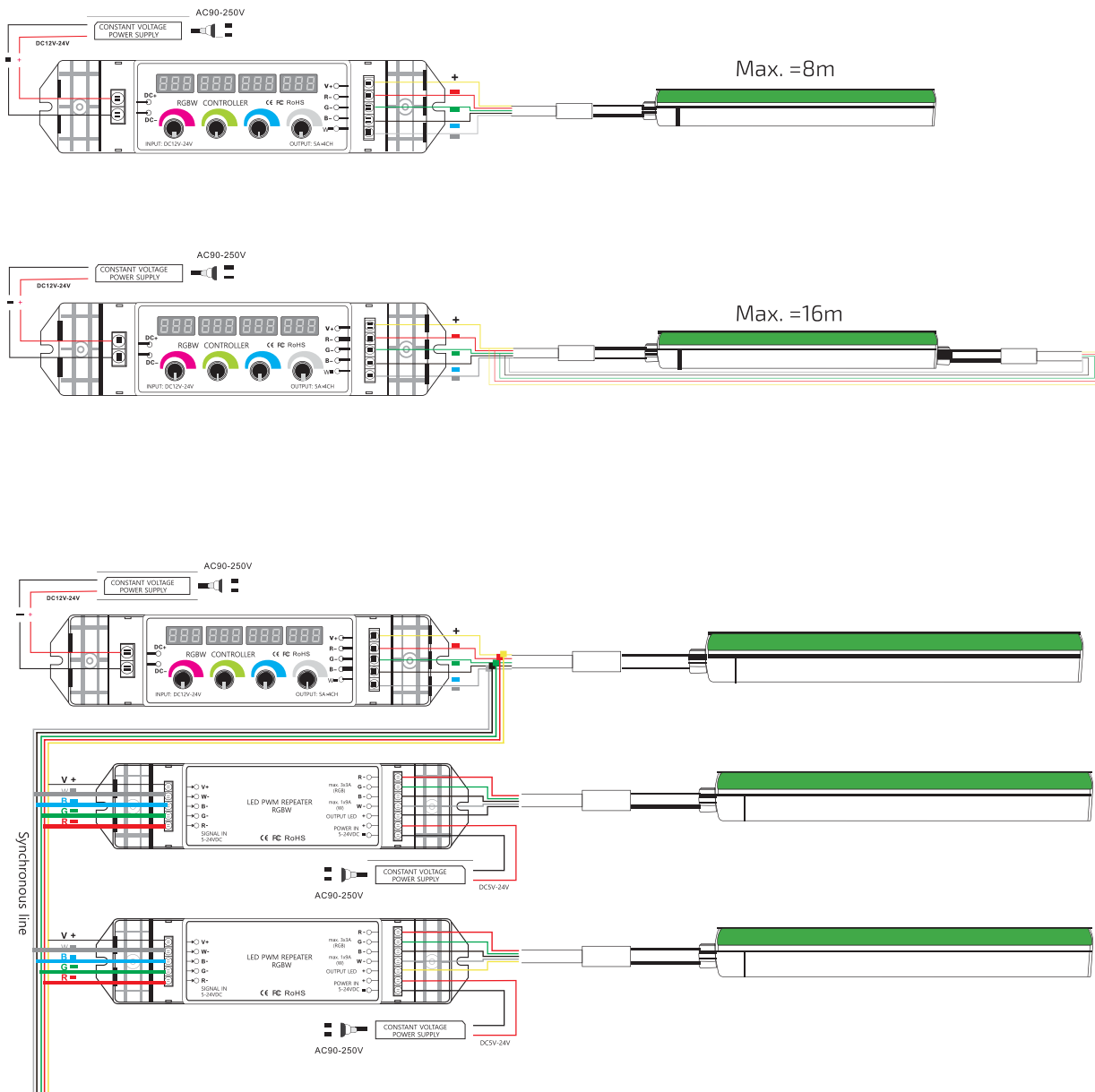
Note:

- 1.The values doesn't include the 0.6m cable connected to the front connector.
- 2.To ensure the reliability of wire connection and avoid problem of voltage drop, the extension wire length should be smaller than the above recommended values.

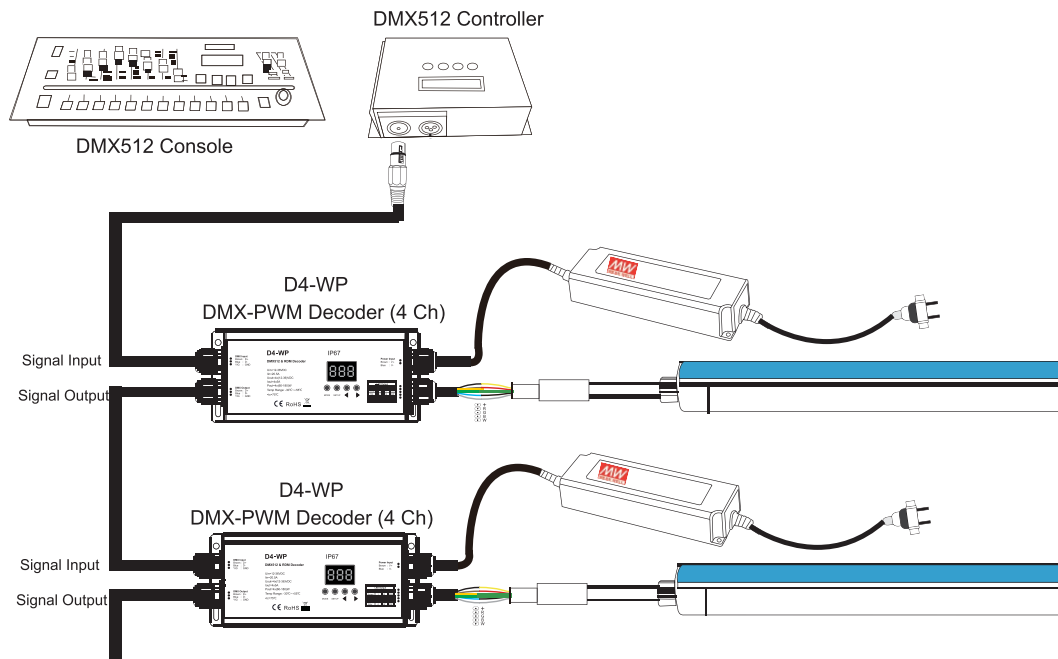
Connection diagram



Connection with BC-354RF PWM Controller & BC-964 RGBW Repeater



Connection with DMX512 console or DMX512 Controller



Connection with DALI control Systems

