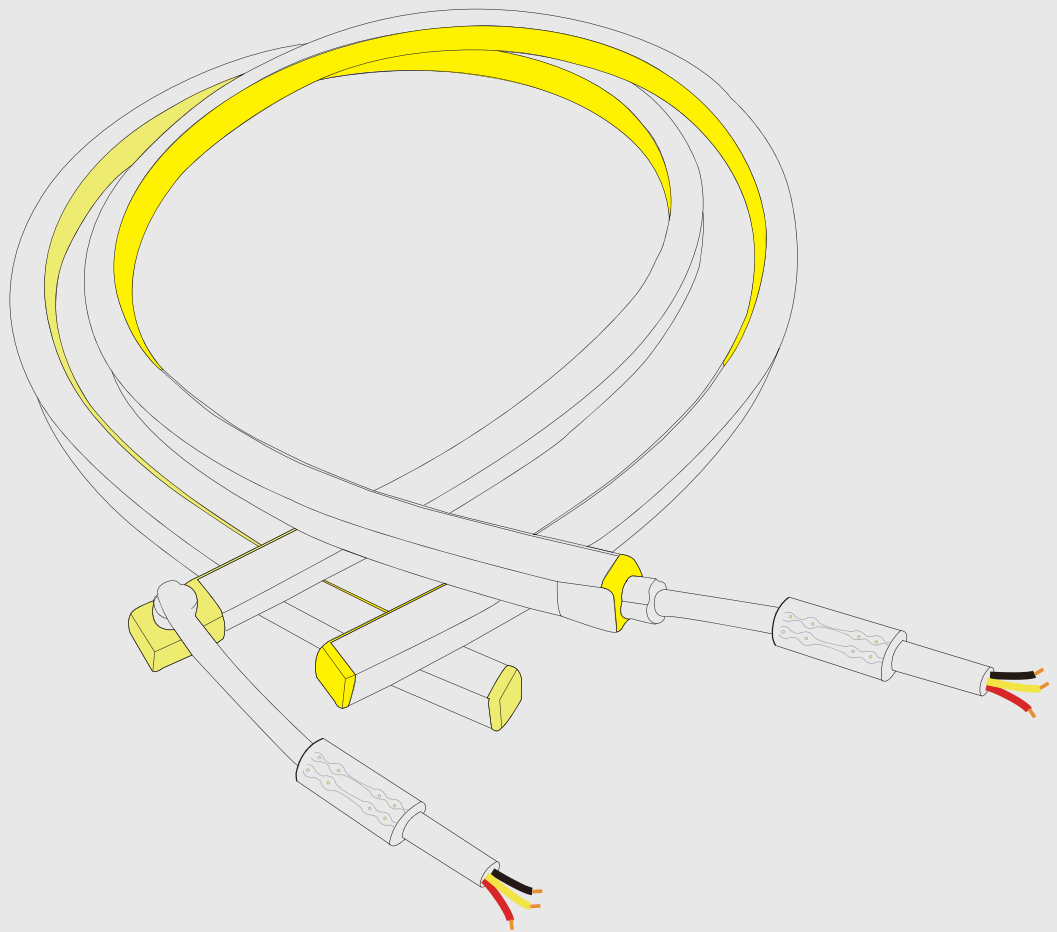


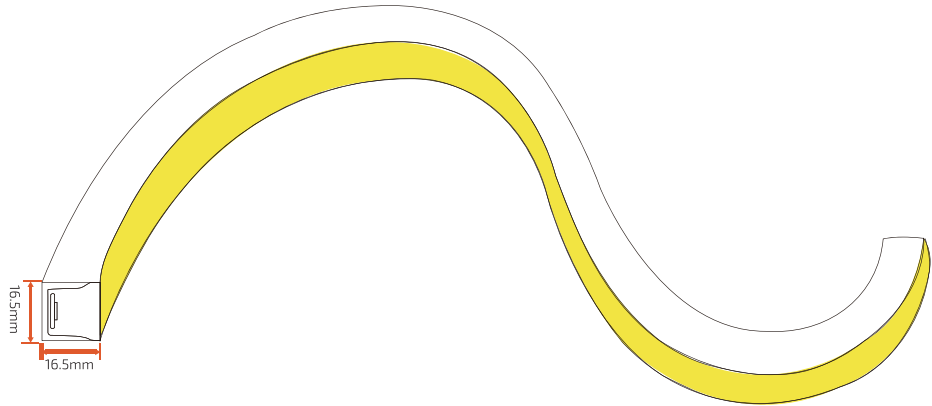


F16 Tunable white Neon Flex

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
- Dimmable with Dali, 0/1-10, DMX,PWM
- Available color both warm white and cold white
- 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



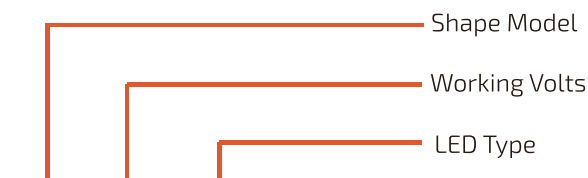
outdoor use



indoor use



Model Encoding



F16-24V-2835-120-15W-DW

LED Quantity

Power Consumption

Color or CCT

MJ DW S01SM
MJ-16-DW-S01SM
1 2 3 4 5

- 1** Mold injection
- 2** Tunable white
- 3** Connector entry type
- 4** Connector direction
- 5** Cable connector type

01----- right
02-----left
03-----double

S----- Side entry
D-----Direct entry
B-----Bottom entry

SM----- male connetor cable
SF-----female connector cable
SMF-----male & female connector cable
Blank-----bare wire

[For more information](#)

Email: info@neonled.sk

Or visit www.neonled.sk

Technical Specification

Model	F16-24V-2835-120-DW
Operating voltage	24V
Power consumption	15W/M
Working Mode	PWM CV
LED type	SMD2835
LED Quantity	120 pcs/m
Available Color	2200K/2700K/3000K+5700K
Min. cutting Unit	12 LEDs
Min. cutting length	10cm
Max. length single feed	10m
Max. length double feed	20m
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

Color Combination

warm white

cold white



+



.....

2200K+5700K



+



.....

2700K+5700K



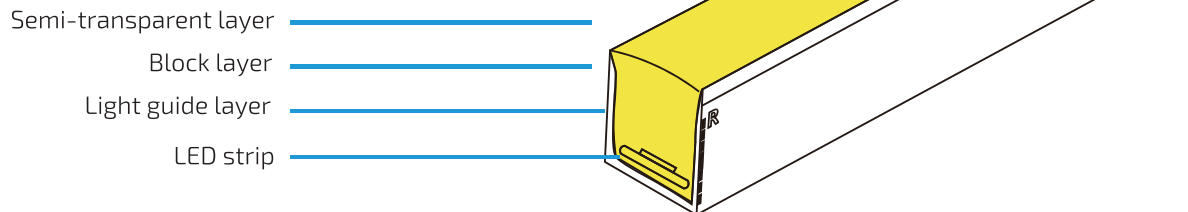
+



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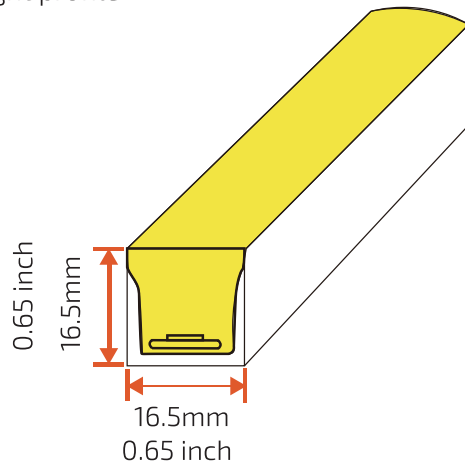
3000K+5700K

Construction

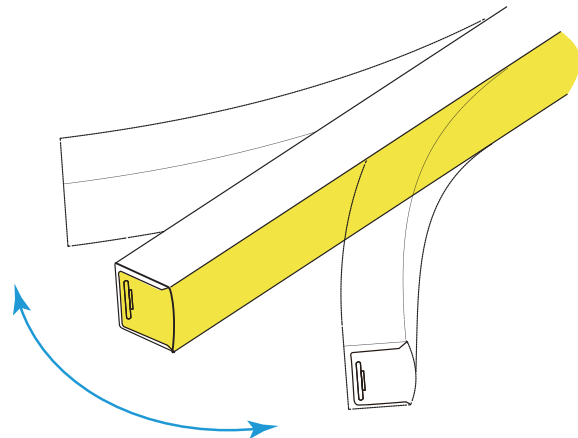


Physical Specification

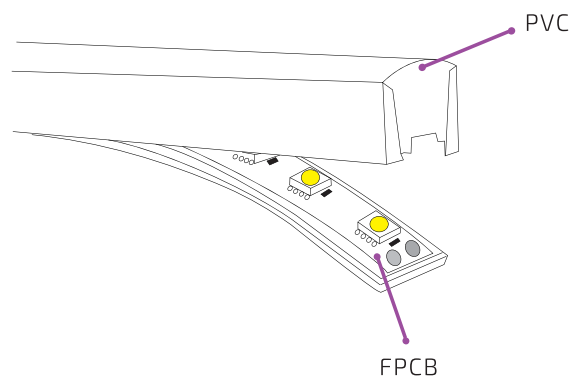
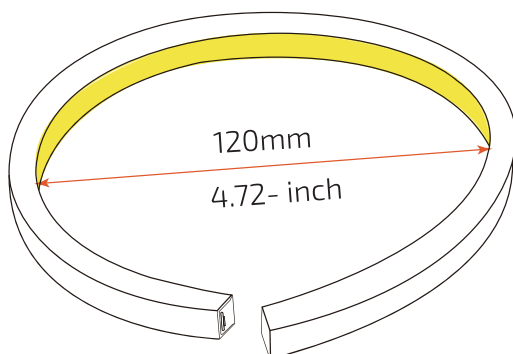
Light profile



Bending direction



Min. bending diameter



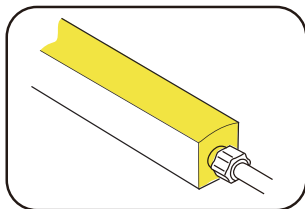
[For more information](#)

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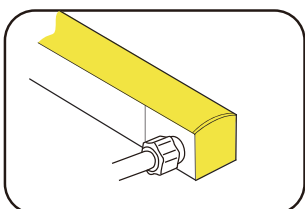
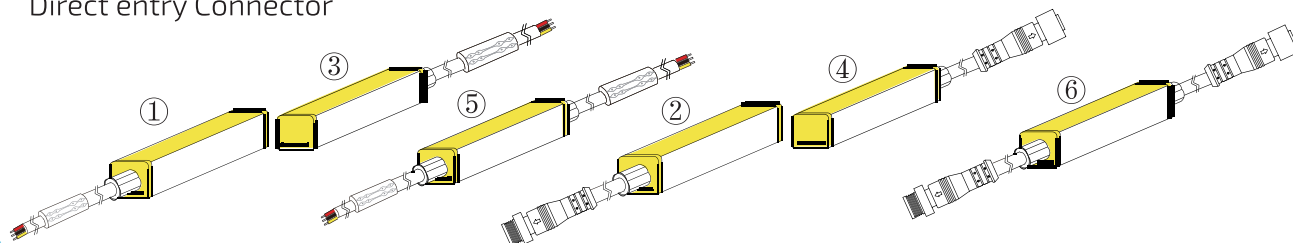
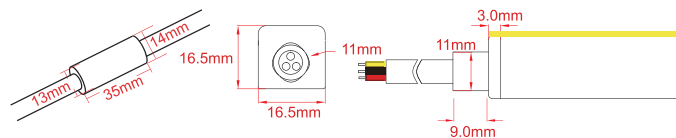
Mold injection connector

(IP68 Factory Assembly only)



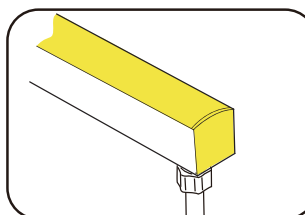
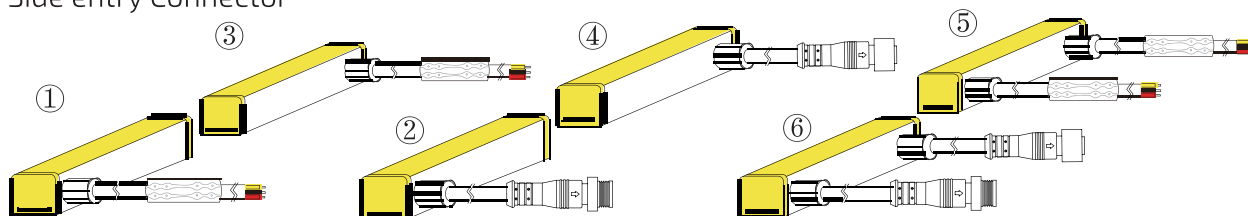
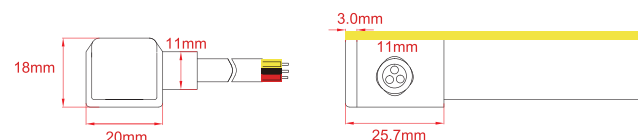
Direct entry Connector

- ① MJ-16-DW-D01
- ② MJ-16-DW-D015M
- ③ MJ-16-DW-D02
- ④ MJ-16-DW-D02SF
- ⑤ MJ-16-DW-D03
- ⑥ MJ-16-DW-D03SFM



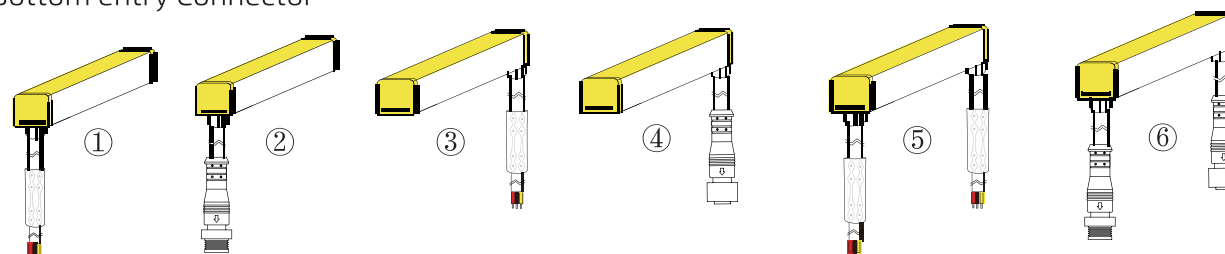
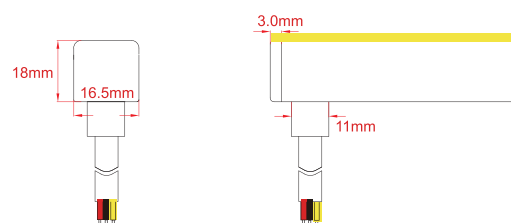
Side entry Connector

- ① MJ-16-DW-S01
- ② MJ-16-DW-S015M
- ③ MJ-16-DW-S02
- ④ MJ-16-DW-S02SF
- ⑤ MJ-16-DW-S03
- ⑥ MJ-16-DW-S03SFM



Bottom entry Connector

- ① MJ-16-DW-B01
- ② MJ-16-DW-B015M
- ③ MJ-16-DW-B02
- ④ MJ-16-DW-B02SF
- ⑤ MJ-16-DW-B03
- ⑥ MJ-16-DW-B03SFM



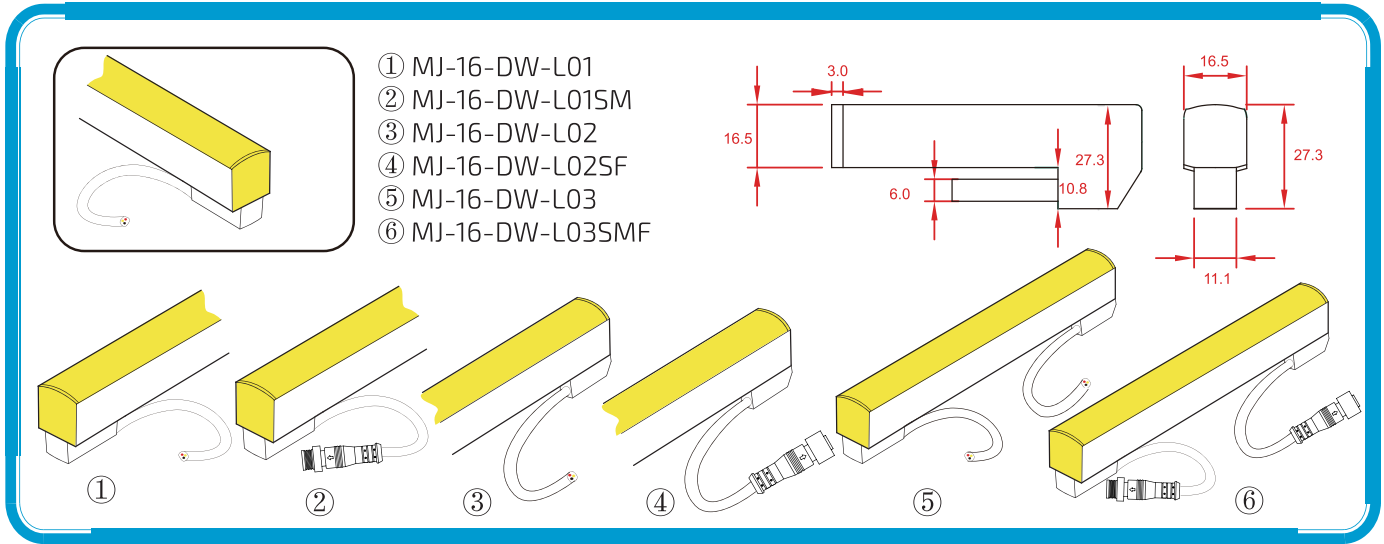
For more information

Email: info@neonled.sk

Or visit www.neonled.sk

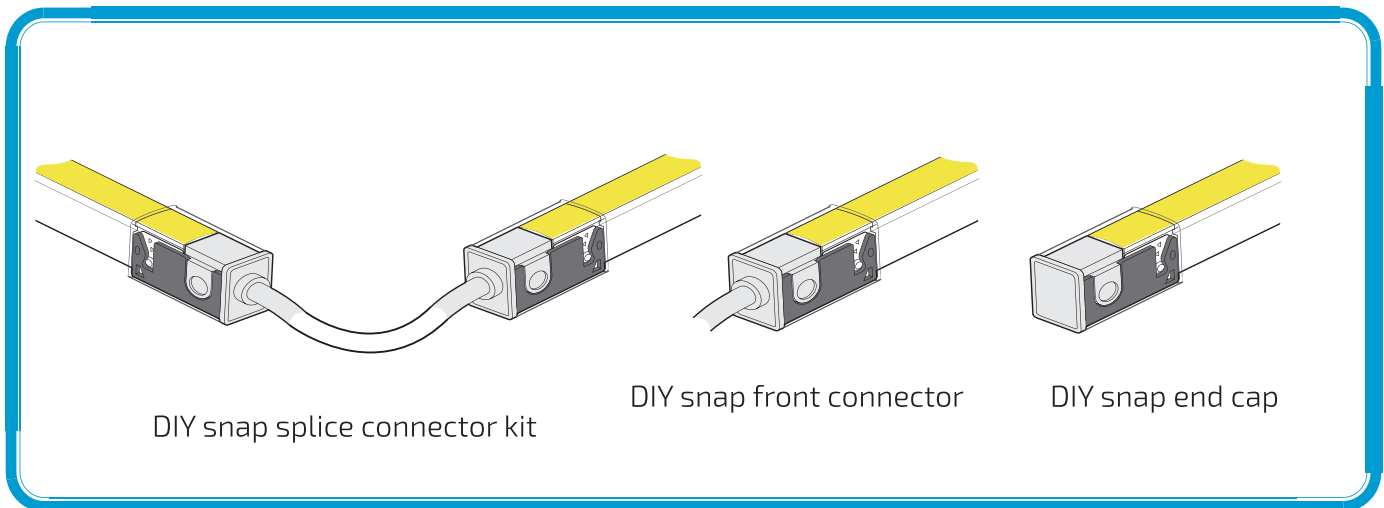
Mold injection Connector

(IP68 Factory Assembly only)



DIY Screw & Snap Connector Kit

(IP67 Only)



Middle injection Connector

MJ-16-A-M01-06

DIY snap splice connector

DIY-SC-Middle-16-DW

DIY snap front connector

DIY-SN-FR-16-D-01/2-D3

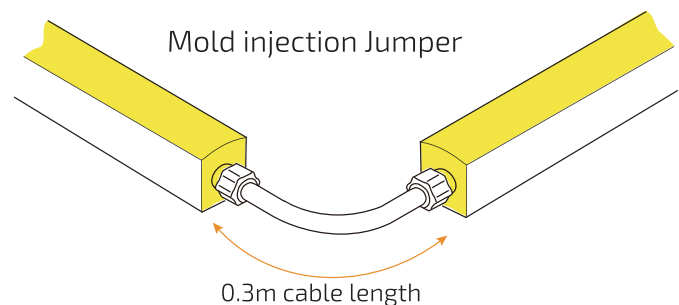
DIY screw end cap kit

DIY-SN-END-01/02-16

Noted:

01- Right direction

02- Left direction



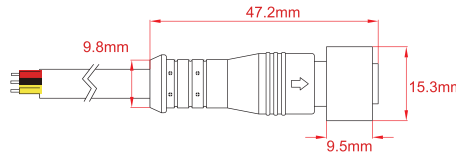
[For more information](#)

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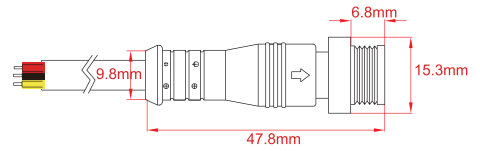
Or visit www.neonled.sk

Other Accessories

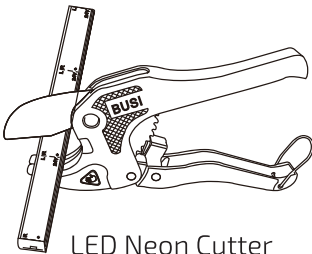
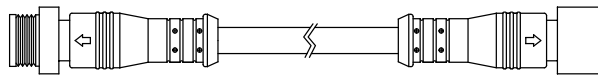
Female & Male Connector



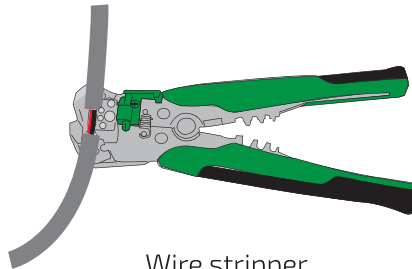
Female connector wire
SYZ-M12-F-3C-05-W



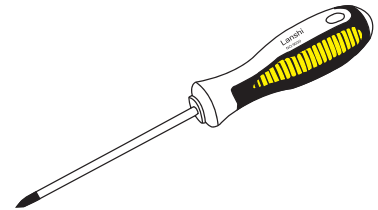
Male connector wire
SYZ-M12-M-3C-05-W



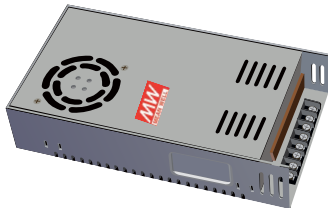
LED Neon Cutter
ACC-TOOL-C1



Wire stripper
ACC-TOOL-WS01



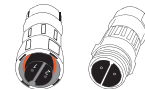
Screwdriver
ACC-TOOL-C2



Mean Well Transformer
Non-waterproof Series



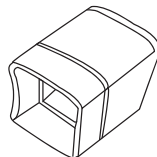
Mean Well Transformer
Waterproof Series



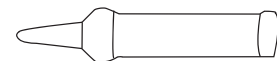
Female & male wire connector
KJ-M12-3P-F/ KJ-M12-3P-M



Silicone Rubber
K-5905



PVC End Cap
DIY-PVC-END-16



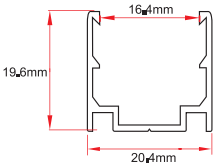
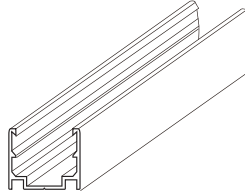
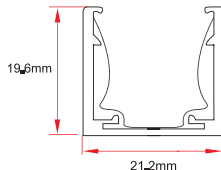
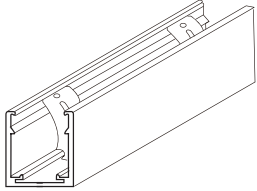
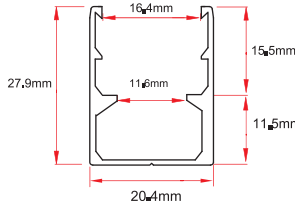
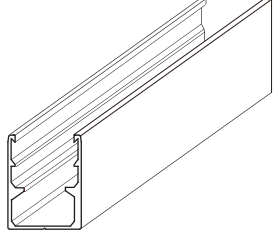
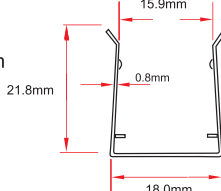
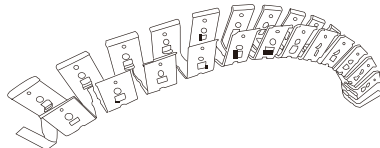
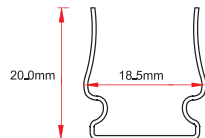
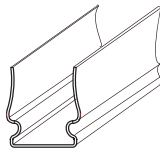
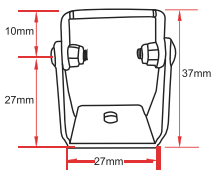
Assistant Tool
ACC-TOOL-C3

For more information

Email: info@neonled.sk

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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

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Packing

Standard: Carton (Paper reel inside)



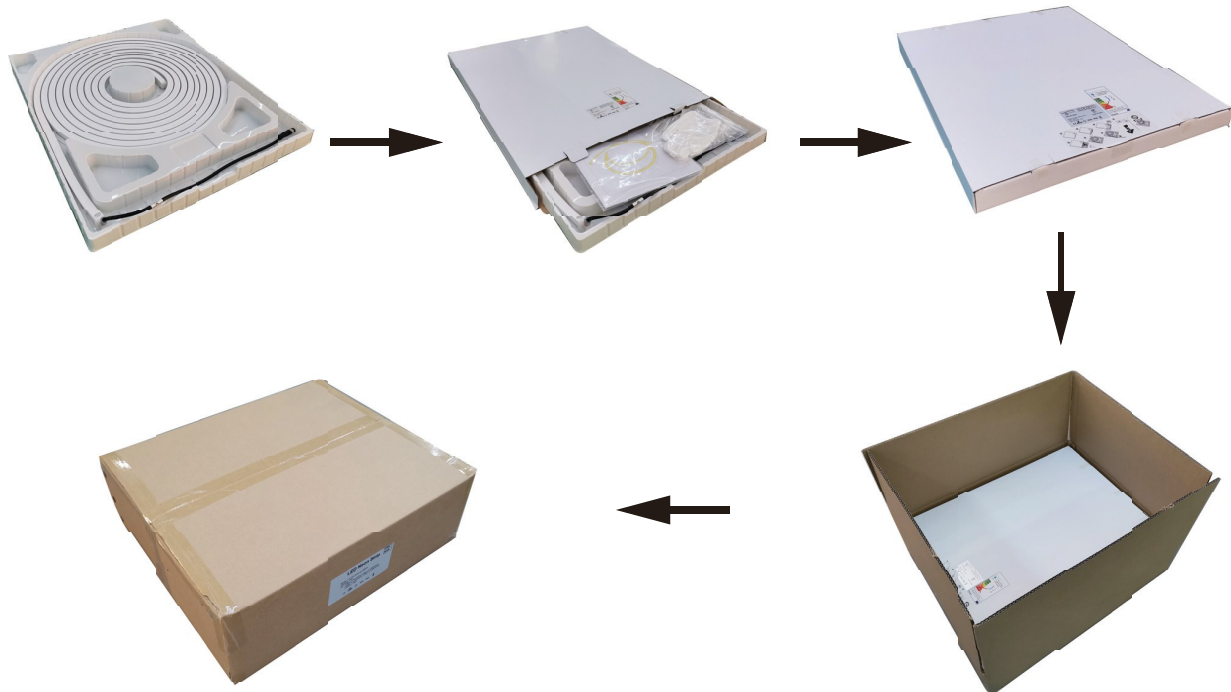
Fixture Length
787.4in(20m)

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)

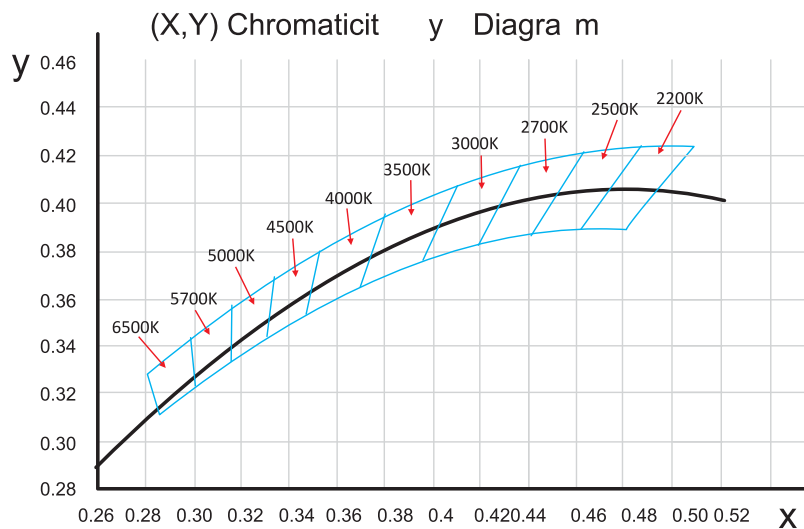
Testing

ANSI Standard

Nominal CCT Categories (2200-6500K)

Nominal CCT	Target CCT & tolerance(K)	Target D_{uv}	D_{uv} Tolerance Range
2200K	2238±102	0.0000	T_x : CCT of the source for $T_x < 2870K$ 0.000 ± 0.0060
2500K	2460±120	0.0000	For $T_x \geq 2870K$ $D_{uv}(T_x) \pm 0.0060$ where
2700K	2725±145	0.0000	$D_{uv}(T_x) = 57700x(1/T_x)^2$ $-44.6x(1/T_x)$ $+0.00854$
3000K	3045±175	0.0001	Remark:
3500K	3465±245	0.0005	1) T_F is chosen to be at 100K steps (2300,2400.....6400K) the ten nominal CCTs listed in table 1.
4000K	3985±275	0.0010	2) $\Delta T = 1.1900 \times 10^8 \times T_F^{-1}$ $1.5434 \times 10^4 \times T_F^{-2} + 0.71648 \times T_F - 902.55$
4500K	4503±243	0.0015	3) Same as in the DUV tolerance range
5000K	5029±283	0.0020	
5700K	5667±355	0.0025	
6500K	6532±510	0.0031	
Flexible CCT	$T_F^{(1)} \pm \Delta T^{(2)}$	$D_{uv} T_F^{(3)}$	

White Color Charts



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±7mm, 5.1-10M±15mm, 10.1-20M±30mm.

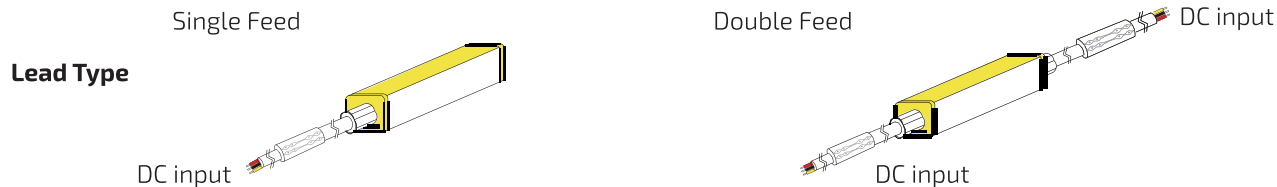
[For more information](#)

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Loading Chart

Rated power	Power supply									
	35W	60W	75W	80W	100W	120W	150W	185W	240W	320W
15W	1.5m	3m	4m	4.2m	5m	6m	8m	9.8m	12.5m	17m



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 4.2m at 15W/m.

Recommendation of extension wire

Maximum extension wire length according to Light power

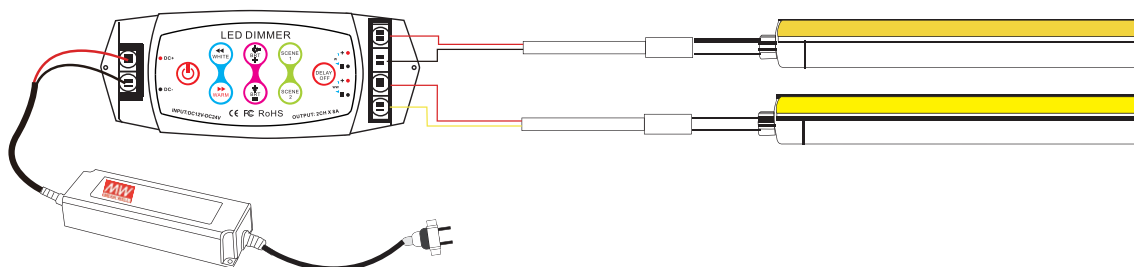
Watts of light	22AWG 0.34mm ²	20AWG 0.53mm ²	18AWG 0.82mm ²	17AWG 1.04mm ²	16AWG 1.38mm ²	14AWG 2.07mm ²	12AWG 3.29mm ²	10AWG 5.62mm ²
10W	36m	60m	100m	120m	140m	240m	400m	600m
20W	18m	30m	50m	60m	70m	120m	200m	300m
30W	12m	20m	30m	38m	45m	80m	130m	200m
40W	8m	15m	22m	28m	35m	60m	95m	140m
50W	6m	12m	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:

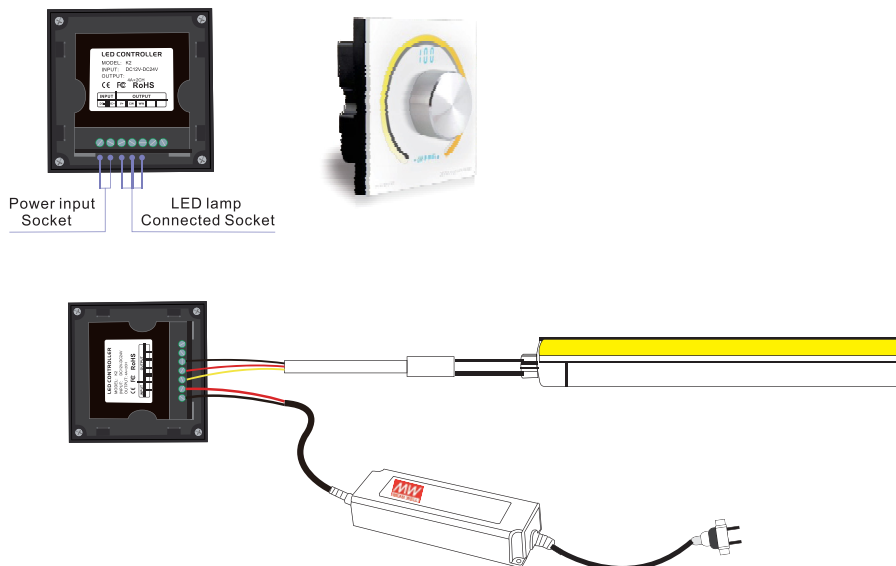
- 1.The values doesn't include the 0.6m cable connected to the front connector.
- 2.To ensure the reliability of wire connection and avoid problem of voltage drop, the extension wire length should be smaller than the above recommended values.

Controller Diagram

BC-310 LED CCT Controller



K2 CCT Rotary Controller



BC-422 Constant Voltage CCT Controller

