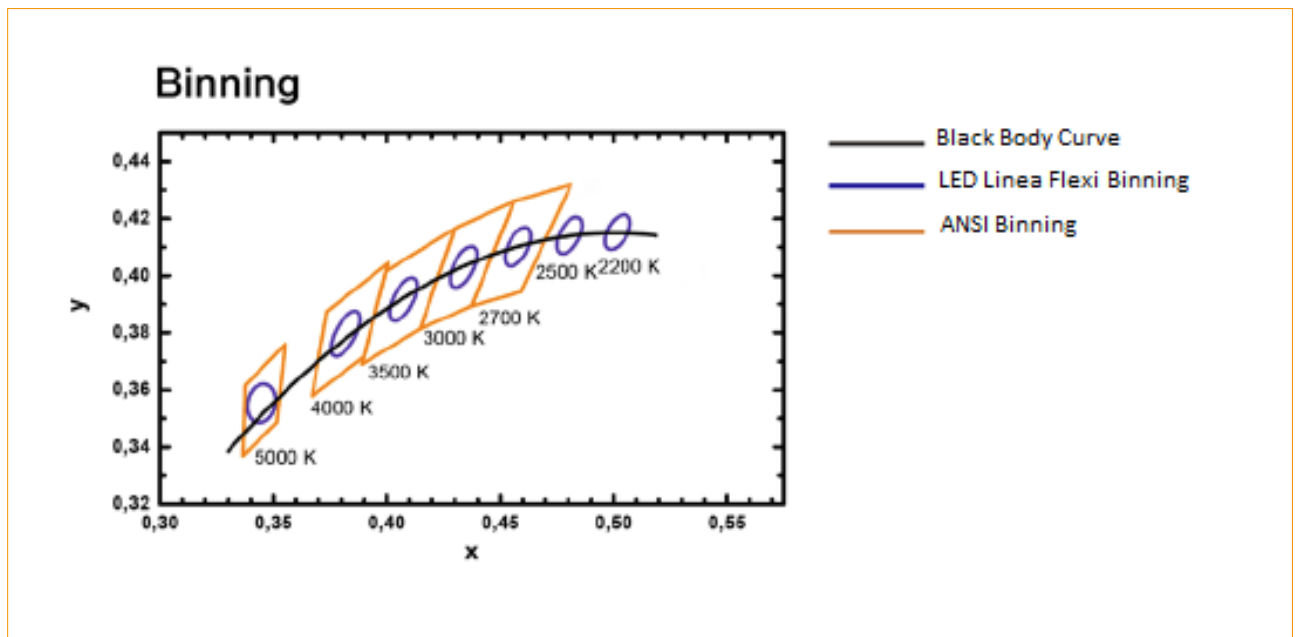




LED LINEA FLEXI RGB-W

COLOR CONSISTANCY

luborn EXTERIORS utilizes the highest quality LEDs, algorithms and circuitry to eliminate color variations from one fixture to the next. Our products maintain a 3-Step MacAdam ellipse for perfect LED color consistency throughout any space.



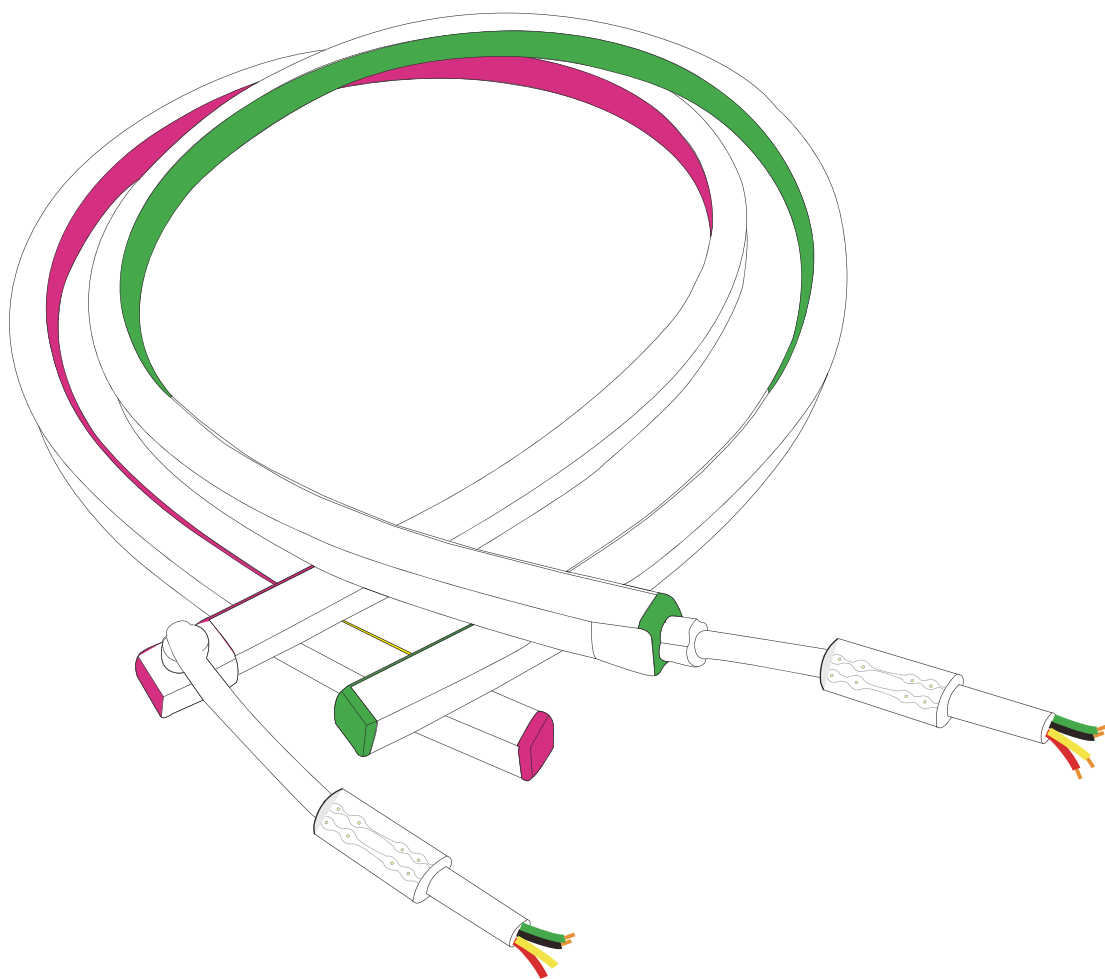


ONE BIN ONLY

Color consistency
Today and tomorrow



LEDLINE FLEX RGB-W



IP 68

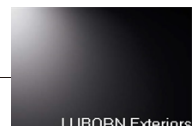
Flexibility combine with high durability:

IP 68 protected against water, salt water and UV radiation by an frosted encapsulation.

Different RGB solutions with the best color consistency control.







24V, flexible frosted encapsulated IP68 protected LED light lines

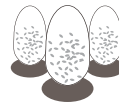
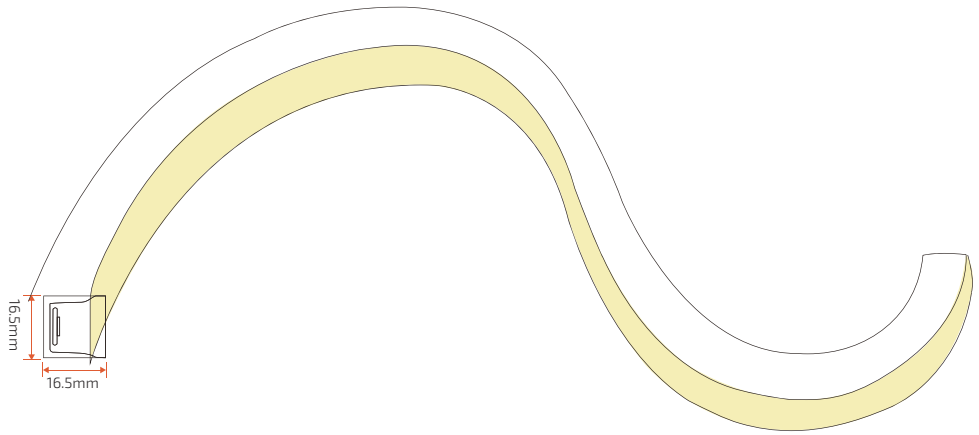
200mm Male and Female connectors on both side. Easy installation and rugged design for harsh environment (e. g. Resistant to saltwater, UV, chlorine and solvents.)





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



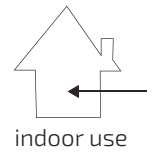
Eco-friendly PVC or Silicone Housing material optional

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



MI
MI-
1

RGBW S01SM
RGBW-501SM
2 3 4 5

- 1** Mold injection
- 2** Multi color RGBW
- 3** Connector entry type
- 4** Connector direction
- 5** Cable connector type



- 01----- right
- 02-----left
- 03-----double
- SM----- male connetor cable
- SF-----female connector cable
- SMF-----male & female connector cable
- Blank-----bare wire
- S----- Side entry
- D-----Direct entry
- B-----Bottom entry





Model	NEON-24V-5050-60-RGBW	NEON-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

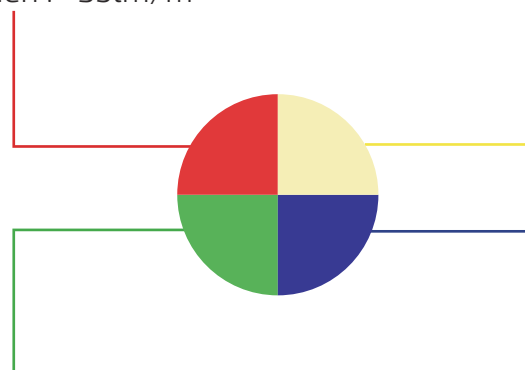
T16-24V-5050-60-RGBW(3000K)

Red Color
Lumen : >35lm/m

3000K
Lumen : >35lm/m

Green Color
Lumen : >100lm/m

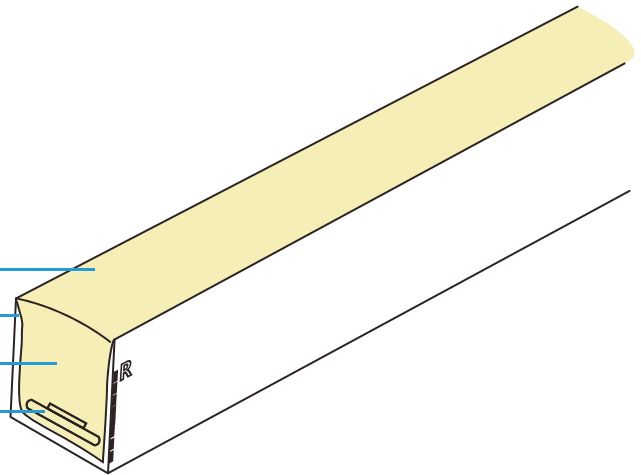
Blue Color
Lumen : >25lm/m





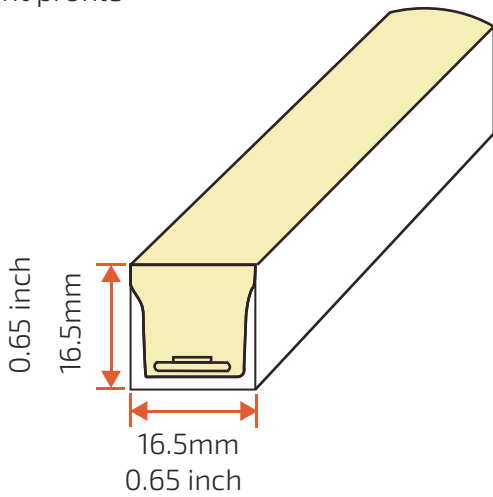
Construction

- Semi-transparent layer
- Block layer
- Light guide layer
- LED strip

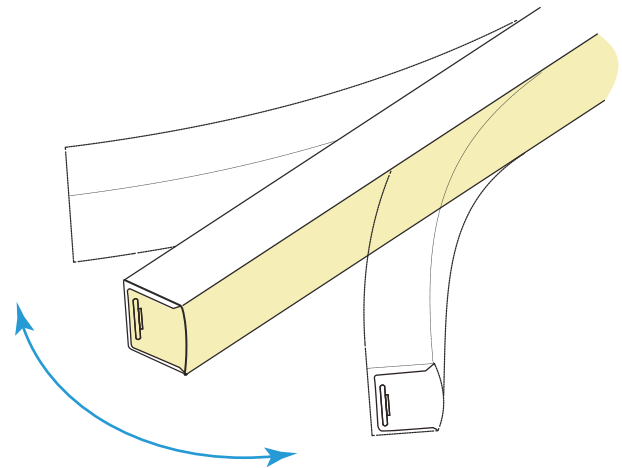


Physical Specification

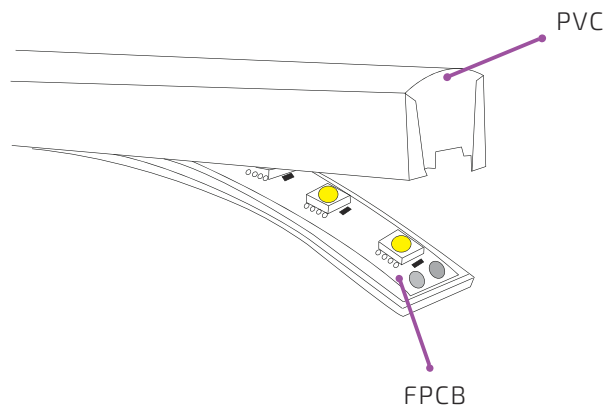
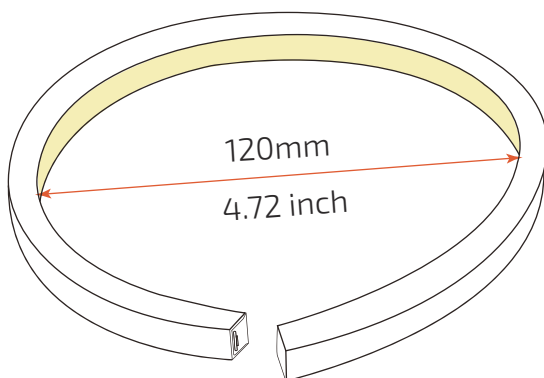
Light profile



Bending direction



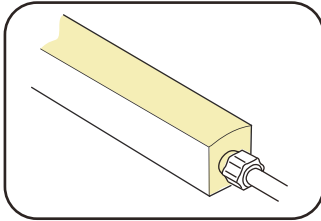
Min. bending diameter





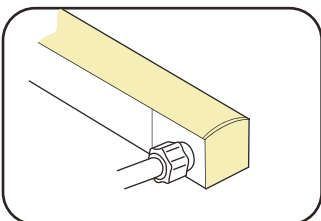
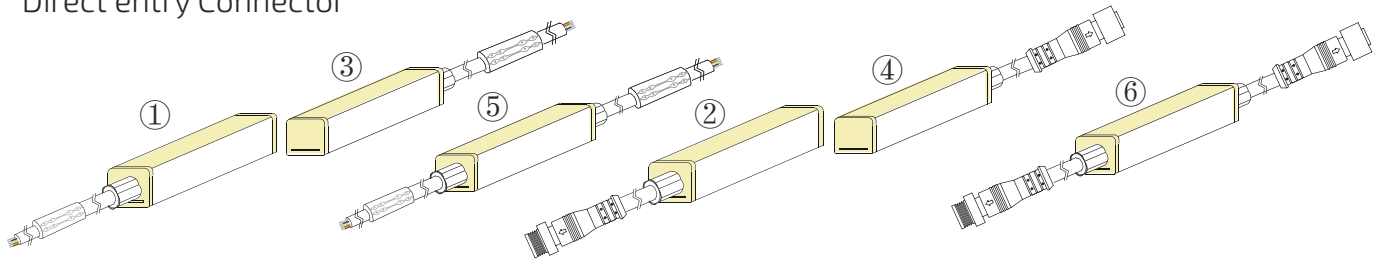
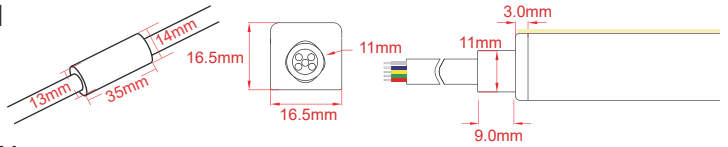
Mold injection connector

(IP68 Factory Assembly only)



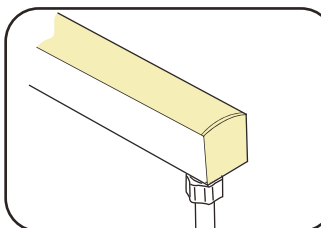
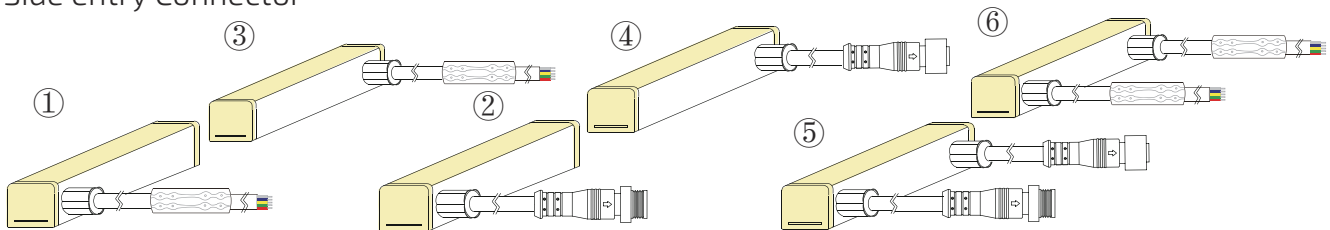
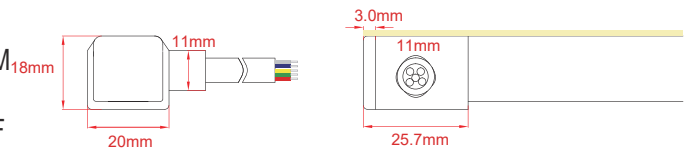
Direct entry Connector

- NEON-16-RGBW-D01
- NEON-16-RGBW-D01SM
- NEON-16-RGBW-D02
- NEON-16-RGBW-D02SF
- NEON-16-RGBW-D03
- NEON-16-RGBW-D03SFM



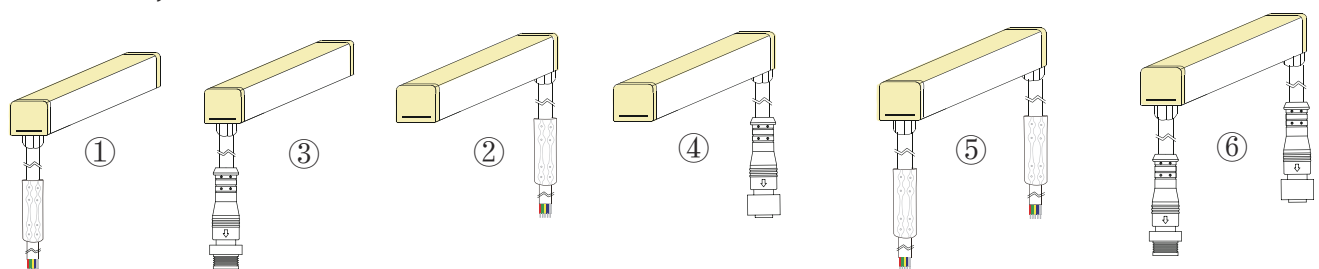
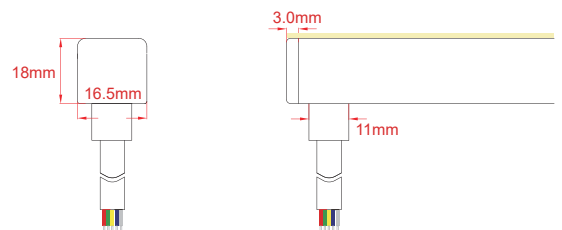
Side entry Connector

- NEON-16-RGBW-S01
- NEON-16-RGBW-S01SM
- NEON-16-RGBW-S02
- NEON-16-RGBW-S02SF
- NEON-16-RGBW-S03
- NEON-16-RGBW-S03SFM



Bottom entry Connector

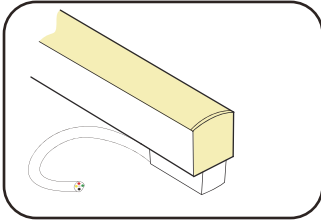
- NEON-16-RGBW-B01
- NEON-16-RGBW-B01SM
- NEON-16-RGBW-B02
- NEON-16-RGBW-B02SF
- NEON-16-RGBW-B03
- NEON-16-RGBW-B03SFM



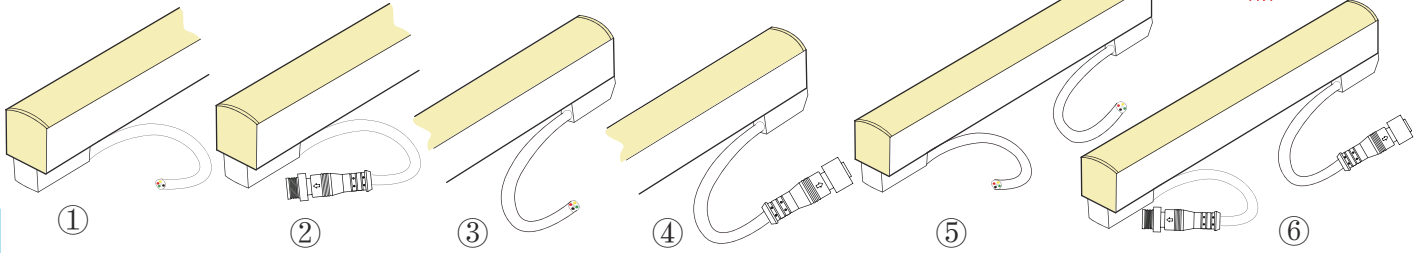
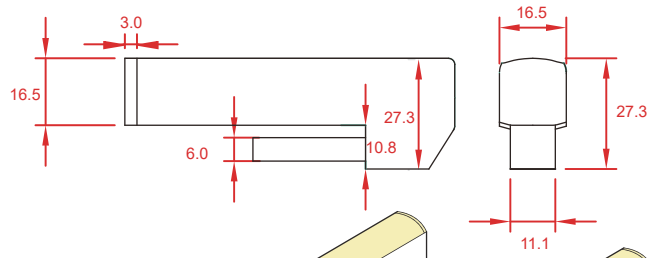


Mold injection Connector

(IP68 Factory Assembly only)



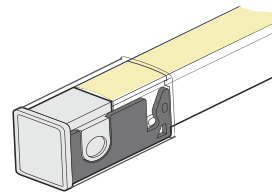
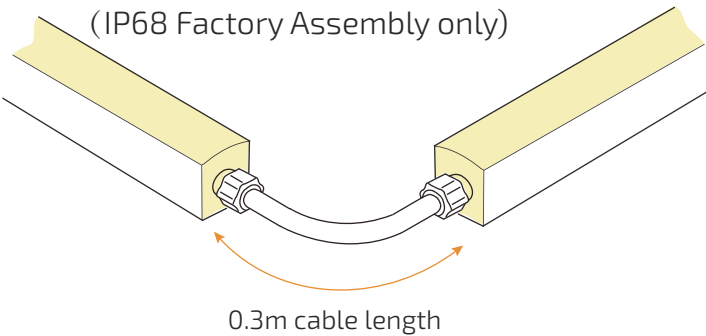
- NEON-16-RGBW-L01
- NEON-16-RGBW-L01SM
- NEON-16-RGBW-L02
- NEON-16-RGBW-L02SF
- NEON-16-RGBW-L03
- NEON-16-RGBW-L03SMF



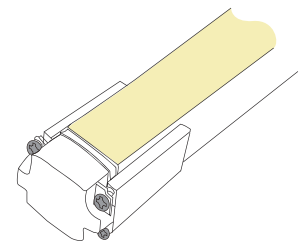
DIY Screw & Snap Connector Kit

Mold injection Jumper
(IP68 Factory Assembly only)

(IP67 Only)



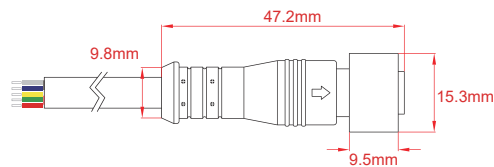
DIY snap end cap



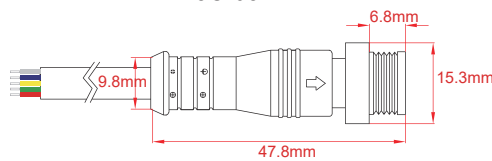
DIY screw end cap

Other Accessories

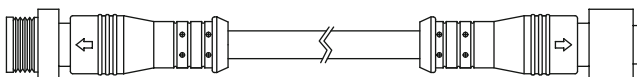
Female & Male Connector



Female connector wire
LB-N12-F-5C-05-W

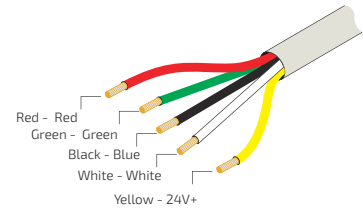


Male connector wire
LB-N12-M-5C-05-W

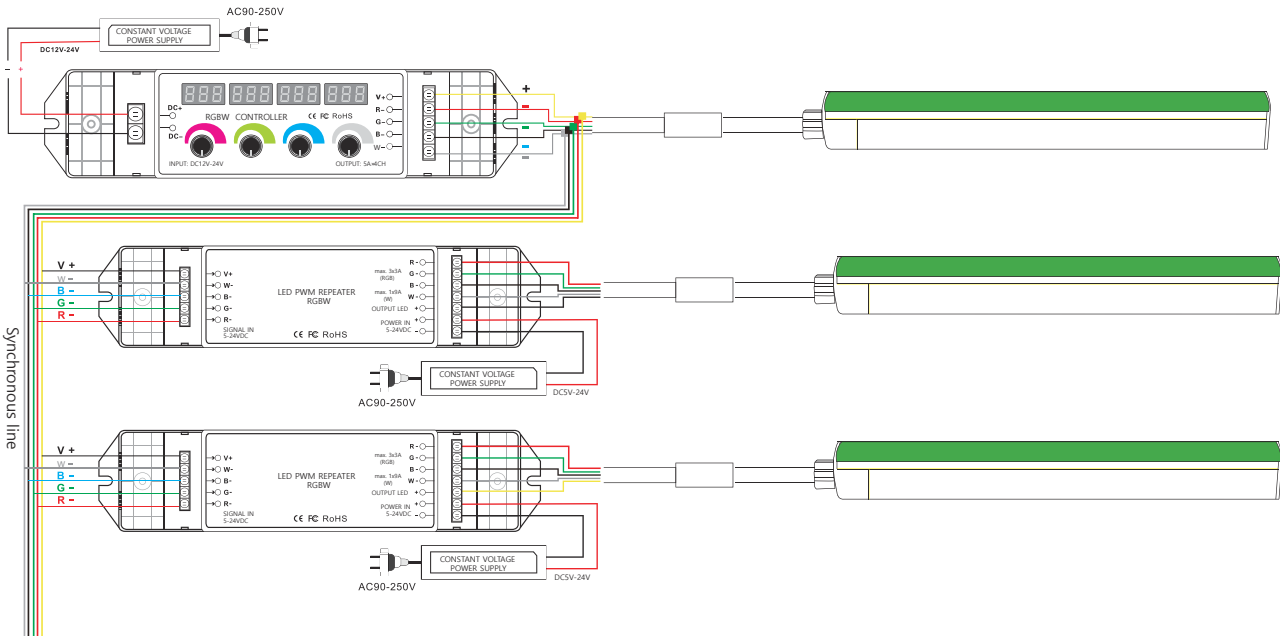
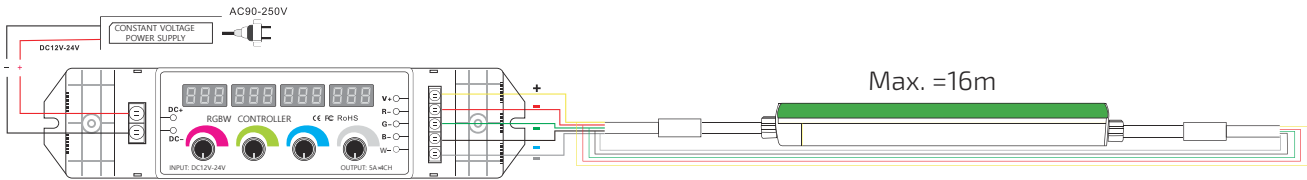
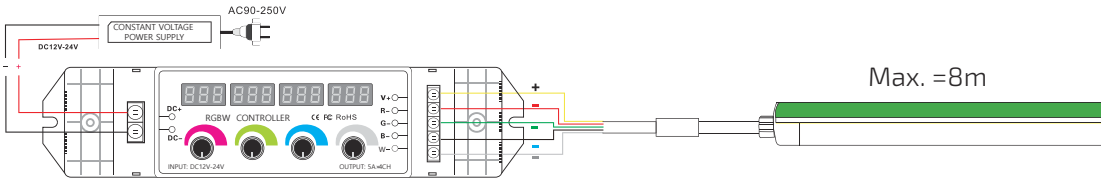




Connection diagram

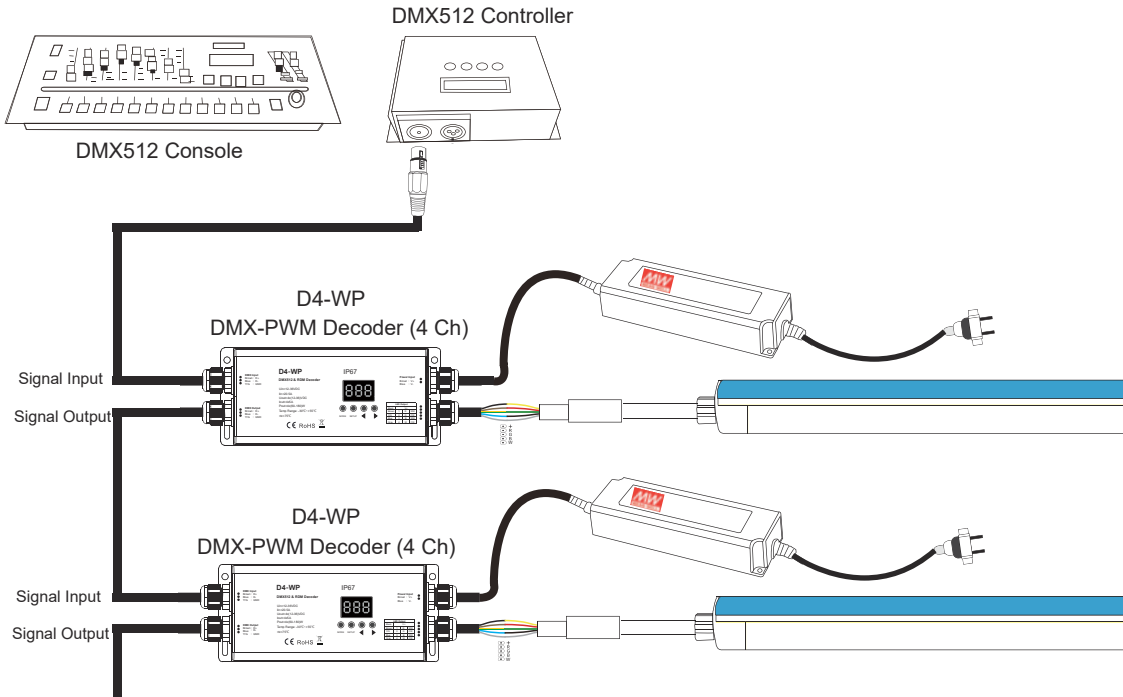


Connection with BC-354RF PWM Controller & BC-964 RGBW Repeater

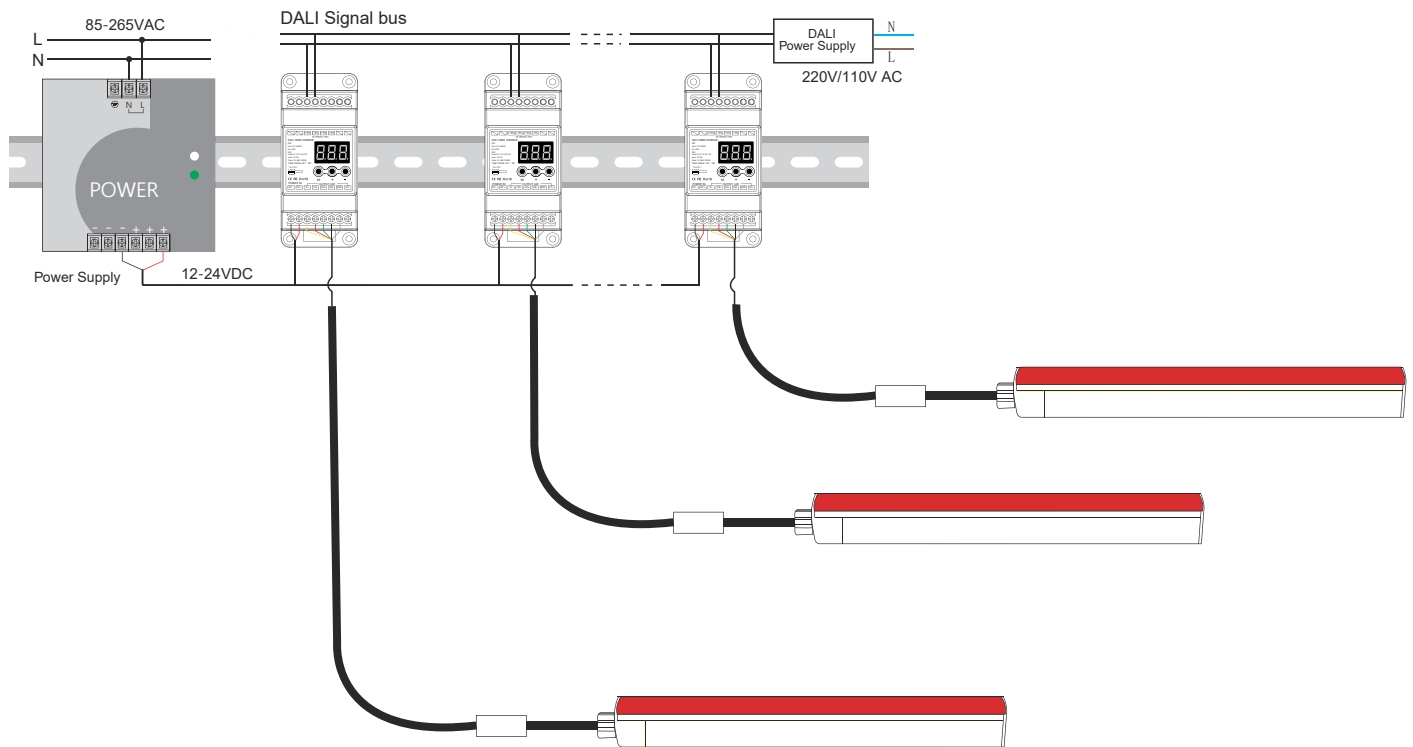


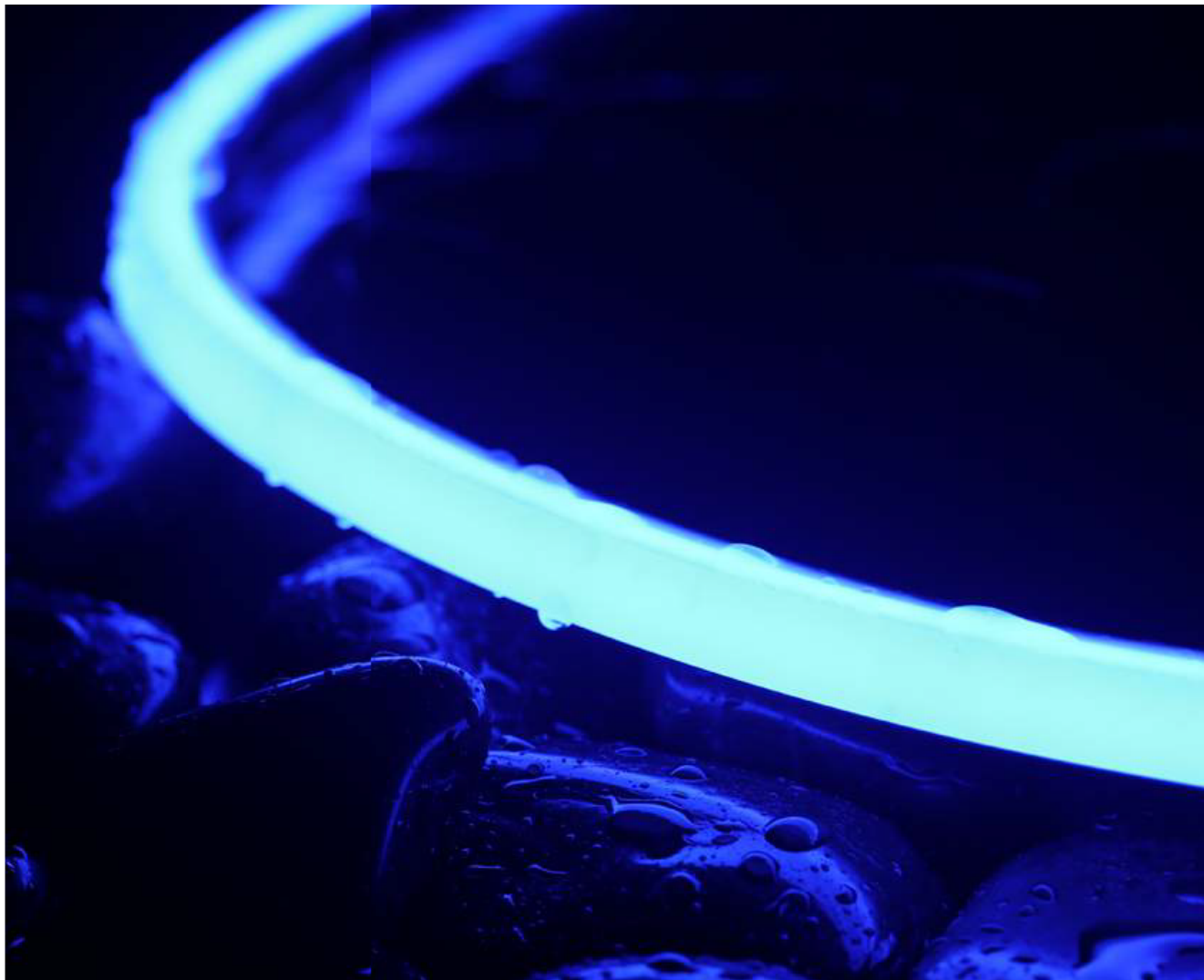


Connection with DMX512 console or DMX512 Controller



Connection with DALI control Systems





3-Step MacAdam and dot free will bring the most excellent performance for your projects.

