

# LED Linear Light

## Cosmo Series

Versatile Accent Lighting OSL-2718

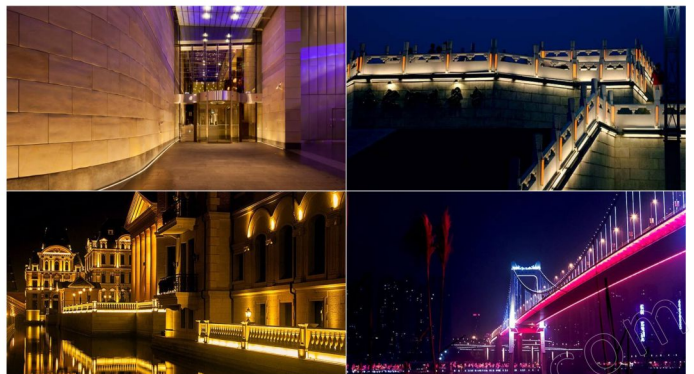


### Features

1. Versatile linear accent light with small and delicate appearance, which can be used as contour light, wall washing light, wall grazing light and underground light.
2. Available in white, RGBW and DMX RGBW, with beam angle in 120°, 30° and 45°.
3. On-field splicing up to 10M[32.8ft.] run length with light seamless performance.
4. Support pixel control by DMX signal (DMX IC in USC512H) for colorful rhythm in architecture and landscape.
5. High-quality weather resistant PU material, optical grade high transmittance PMMA lens, and complete installation accessories.
6. Tough structure design with IK10 impact protection.
7. IP67 protection against dust & water for indoor and outdoor usage.
8. 50,000 hours of LED lifespan and 3 years warranty.

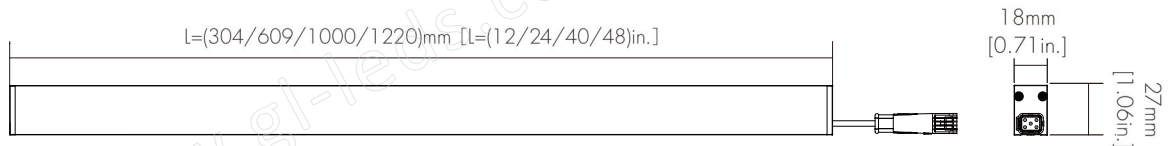
### Application

- Contour light, wall washing light, wall grazing light and underground light for architecture and landscape.



# LED Linear Light

## Diagram & Dimension (White)



## General Parameters (White)

Part No.	Beam Angle	Dimension	Max. Splicing Length	LED Type	LED QTY	Material	Installation Method	IP Rating	Operating Ambient	Lifespan	Warranty
OSL2718-24-XX-0304-E-CVXX	120°	L304*W18*H27mm [L12*W0.7*H1.06in.]	10M [32.8ft.]	SMD 2835	42pcs	Silver aluminum profile+ PU milky / transparent glue	Bracket 90° Rotatable Bracket 180° Rotatable Bracket Aluminum Channel	IP67 (Wet)	Ta: -20~45°C [-4~113°F]	50,000h (L70@ Tc≤65°C [149°F], Tc is the temp. of LED pin)	3 years
OSL2718-24-XX-0304-B-CVXX	30°										
OSL2718-24-XX-0304-C-CVXX	45°										
OSL2718-24-XX-0609-E-CVXX	120°	L609*W18*H27mm [L24*W0.7*H1.06in.]			84pcs						
OSL2718-24-XX-0609-B-CVXX	30°										
OSL2718-24-XX-0609-C-CVXX	45°										
OSL2718-24-XX-1000-E-CVXX	120°	L1000*W18*H27mm [L40*W0.7*H1.06in.]			140pcs						
OSL2718-24-XX-1000-B-CVXX	30°										
OSL2718-24-XX-1000-C-CVXX	45°										
OSL2718-24-XX-1220-E-CVXX	120°	L1220*W18*H27mm [L48*W0.7*H1.06in.]			168pcs						
OSL2718-24-XX-1220-B-CVXX	30°										
OSL2718-24-XX-1220-C-CVXX	45°										

## Photoelectric Parameters (White)

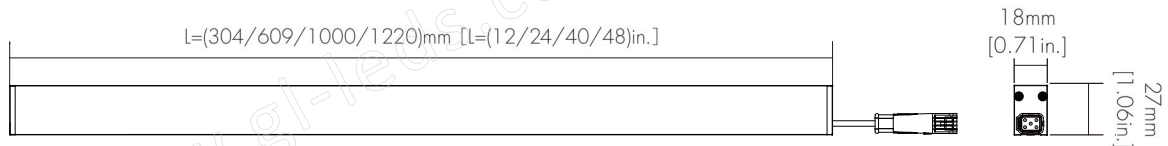
Part No.	Beam Angle	Dimension	Power ±10%	Operating Voltage	Finished Product CCT/ Wavelength	Luminous Flux±10% @4000K&CRI80	Light Eff. @4000K&CRI80	Luminous Flux±10% @4000K&CRI90	Light Eff. @4000K&CRI90
OSL2718-24-XX-0304-E-CVXX	120°	L304*W18*H27mm [L12*W0.7*H1.06in.]	8W	DC24V	1800K 2400K 2700K 3000K 4000K 5000K 6500K (3-step SDCM in one bin)	500lm	63lm/W	430lm	54lm/W
OSL2718-24-XX-0304-B-CVXX	30°					900lm	113lm/W	770lm	96lm/W
OSL2718-24-XX-0304-C-CVXX	45°					980lm	123lm/W	840lm	105lm/W
OSL2718-24-XX-0609-E-CVXX	120°	L609*W18*H27mm [L24*W0.7*H1.06in.]	15W			940lm	63lm/W	800lm	54lm/W
OSL2718-24-XX-0609-B-CVXX	30°					1690lm	113lm/W	1440lm	96lm/W
OSL2718-24-XX-0609-C-CVXX	45°					1840lm	123lm/W	1570lm	105lm/W
OSL2718-24-XX-1000-E-CVXX	120°	L1000*W18*H27mm [L40*W0.7*H1.06in.]	26W			1690lm	65lm/W	1440lm	55lm/W
OSL2718-24-XX-1000-B-CVXX	30°					2750lm	106lm/W	2340lm	90lm/W
OSL2718-24-XX-1000-C-CVXX	45°					3170lm	122lm/W	2700lm	104lm/W
OSL2718-24-XX-1220-E-CVXX	120°	L1220*W18*H27mm [L48*W0.7*H1.06in.]	30W			1960lm	65lm/W	1670lm	56lm/W
OSL2718-24-XX-1220-B-CVXX	30°					3170lm	106lm/W	2700lm	90lm/W
OSL2718-24-XX-1220-C-CVXX	45°					3670lm	123lm/W	3120lm	104lm/W

### Note:

- (1) Luminous flux for CCT 2700K is 10% lower, for CCT 3000/3500K is 5% lower, for CCT 5000K/6500K is the same, compared with 4000K.
- (2) The energy efficiency class of regulation (EU)2019/2020 are E(CRI80) for 30°/45°, E(CRI90) for 45° and F(CRI90) for 30°, it varies depending on CRI and CCT.
- (3) Installation accessories pack should be ordered separately according to specific case.

# LED Linear Light

## Diagram & Dimension (RGBW)



## General Parameters (RGBW)

Part No.	Beam Angle	Dimension	Max. Splicing Length	LED Type	LED QTY	Material	Installation Method	IP Rating	Operating Ambient	Lifespan	Warranty
OSL-2718-24-M4-0304-E-CVXX	120°	L304*W18*H27mm [L12*W0.7*H1.06in.]	10M [32.8ft.]	SMD 5050	24pcs	Silver aluminum profile+ PU milky / transparent glue	Bracket 90° Rotatable Bracket 180° Rotatable Bracket Aluminum Channel	IP67 (Wet)	Ta: -20~45°C [-4~113°F]	50,000h (L70@ Tc≤65°C [149°F], Tc is the temp. of LED pin)	3 years
OSL-2718-24-M4-0304-B-CVXX	30°										
OSL-2718-24-M4-0304-C-CVXX	45°										
OSL-2718-24-M4-0609-E-CVXX	120°	L609*W18*H27mm [L24*W0.7*H1.06in.]			48pcs						
OSL-2718-24-M4-0609-B-CVXX	30°										
OSL-2718-24-M4-0609-C-CVXX	45°										
OSL-2718-24-M4-1000-E-CVXX	120°	L1000*W18*H27mm [L40*W0.7*H1.06in.]			84pcs						
OSL-2718-24-M4-1000-B-CVXX	30°										
OSL-2718-24-M4-1000-C-CVXX	45°										
OSL-2718-24-M4-1220-E-CVXX	120°	L1220*W18*H27mm [L48*W0.7*H1.06in.]			96pcs						
OSL-2718-24-M4-1220-B-CVXX	30°										
OSL-2718-24-M4-1220-C-CVXX	45°										

## Photoelectric Parameters (RGBW)

Part No.	Beam Angle	Dimension	Power ±10%	Operating Voltage	Finished Product CCT/ Wavelength	Luminous Flux±10% @4000K&CRI80	Luminous Flux±10% @4000K&CRI90
OSL-2718-24-M4-0304-E-CVXX	120°	L304*W18*H27mm [L12*W0.7*H1.06in.]	5W	DC24V	R: 610-630nm G: 520-540nm B: 460-480nm W: 2700-6500K (5 step SDCM in one bin)	130lm	120lm
OSL-2718-24-M4-0304-B-CVXX	30°					270lm	250lm
OSL-2718-24-M4-0304-C-CVXX	45°					260lm	240lm
OSL-2718-24-M4-0609-E-CVXX	120°	L609*W18*H27mm [L24*W0.7*H1.06in.]	10W			270lm	250lm
OSL-2718-24-M4-0609-B-CVXX	30°					540lm	500lm
OSL-2718-24-M4-0609-C-CVXX	45°					510lm	480lm
OSL-2718-24-M4-1000-E-CVXX	120°	L1000*W18*H27mm [L40*W0.7*H1.06in.]	18W			500lm	470lm
OSL-2718-24-M4-1000-B-CVXX	30°					910lm	850lm
OSL-2718-24-M4-1000-C-CVXX	45°					830lm	780lm
OSL-2718-24-M4-1220-E-CVXX	120°	L1220*W18*H27mm [L48*W0.7*H1.06in.]	20W			570lm	530lm
OSL-2718-24-M4-1220-B-CVXX	30°					1020lm	950lm
OSL-2718-24-M4-1220-C-CVXX	45°					930lm	870lm

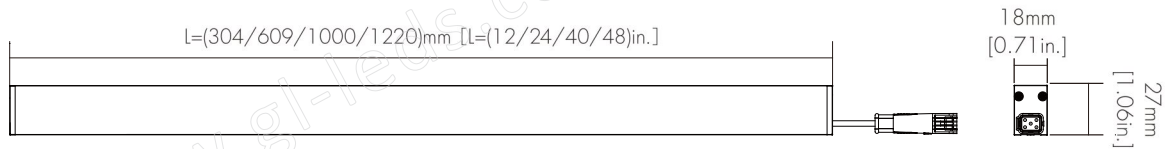
### Note:

- (1) Luminous flux for CCT 2700K is 10% lower, for CCT 3000/3500K is 5% lower, for CCT 5000K/6500K is the same, compared with 4000K.
- (2) Installation accessories pack should be ordered separately according to specific case.



# LED Linear Light

## Diagram & Dimension (DMX RGBW)



## General Parameters (DMX RGBW)

Part No.	Beam Angle	Dimension	Max. Splicing Length	LED Type	LED QTY	Material	Installation Method	IP Rating	Operating Ambient	Lifespan	Warranty
OSL-2718-24-M4-0304-E-DMXX	120°	L304*W18*H27mm [L12*W0.7*H1.06in.]	10M [32.8ft.]	SMD 5050	24pcs	Silver aluminum profile+ PU milky / transparent glue	Bracket 90° Rotatable Bracket 180° Rotatable Bracket Aluminum Channel	IP67 (Wet)	Ta: -20~45°C [-4~113°F]	50,000h (L70@ Tc≤65°C [149°F], Tc is the temp. of LED pin)	3 years
OSL-2718-24-M4-0304-B-DMXX	30°										
OSL-2718-24-M4-0304-C-DMXX	45°										
OSL-2718-24-M4-0609-E-DMXX	120°	L609*W18*H27mm [L24*W0.7*H1.06in.]			48pcs						
OSL-2718-24-M4-0609-B-DMXX	30°										
OSL-2718-24-M4-0609-C-DMXX	45°										
OSL-2718-24-M4-1000-E-DMXX	120°	L1000*W18*H27mm [L40*W0.7*H1.06in.]			84pcs						
OSL-2718-24-M4-1000-B-DMXX	30°										
OSL-2718-24-M4-1000-C-DMXX	45°										
OSL-2718-24-M4-1220-E-DMXX	120°	L1220*W18*H27mm [L48*W0.7*H1.06in.]			96pcs						
OSL-2718-24-M4-1220-B-DMXX	30°										
OSL-2718-24-M4-1220-C-DMXX	45°										

## Photoelectric Parameters (DMX RGBW)

Part No.	Beam Angle	Dimension	Power ±10%	Operating Voltage	Finished Product CCT/ Wavelength	Luminous Flux±10% @4000K&CRI80	Luminous Flux±10% @4000K&CRI90	Pixel Segment & Address QTY
OSL-2718-24-M4-0304-E-DMXX	120°	L304*W18*H27mm [L12*W0.7*H1.06in.]	5W	DC24V	R: 610-630nm G: 520-540nm B: 460-480nm W: 2700-6500K (5 step SDCM in one bin)	130lm	120lm	2 pixels (150mm[6in.]/pixel) &
OSL-2718-24-M4-0304-B-DMXX	30°					270lm	250lm	&
OSL-2718-24-M4-0304-C-DMXX	45°					260lm	240lm	[4 address/pixel]
OSL-2718-24-M4-0609-E-DMXX	120°	L609*W18*H27mm [L24*W0.7*H1.06in.]	10W			270lm	250lm	4 pixels (150mm[6in.]/pixel) &
OSL-2718-24-M4-0609-B-DMXX	30°					540lm	500lm	&
OSL-2718-24-M4-0609-C-DMXX	45°					510lm	480lm	[4 address/pixel]
OSL-2718-24-M4-1000-E-DMXX	120°	L1000*W18*H27mm [L40*W0.7*H1.06in.]	18W			500lm	470lm	7 pixels (150mm[6in.]/pixel) &
OSL-2718-24-M4-1000-B-DMXX	30°					910lm	850lm	&
OSL-2718-24-M4-1000-C-DMXX	45°					830lm	780lm	[4 address/pixel]
OSL-2718-24-M4-1220-E-DMXX	120°	L1220*W18*H27mm [L48*W0.7*H1.06in.]	20W			570lm	530lm	8 pixels (150mm[6in.]/pixel) &
OSL-2718-24-M4-1220-B-DMXX	30°			1020lm	950lm	&		
OSL-2718-24-M4-1220-C-DMXX	45°			930lm	870lm	[4 address/pixel]		

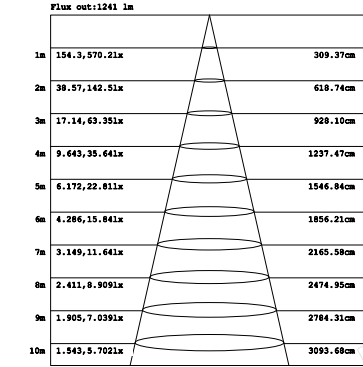
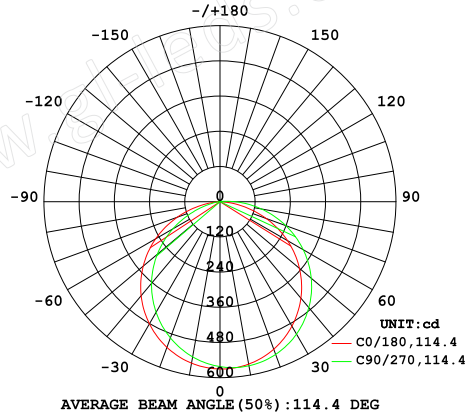
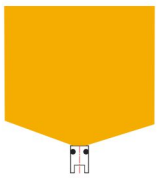
### Note:

- (1) Luminous flux for CCT 2700K is 10% lower, for CCT 3000/3500K is 5% lower, for CCT 5000K/6500K is the same, compared with 4000K.
- (2) Installation accessories pack should be ordered separately according to specific case.

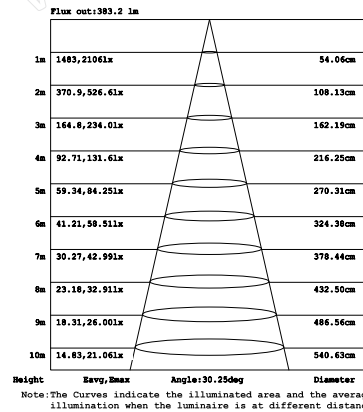
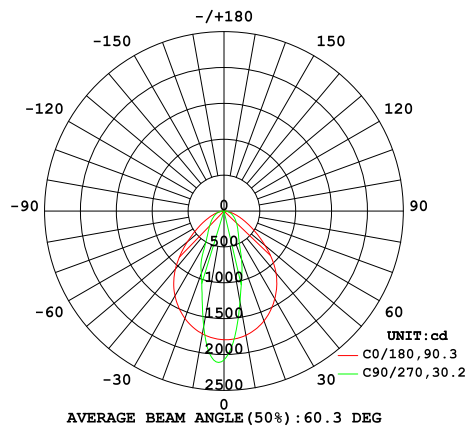


# LED Linear Light

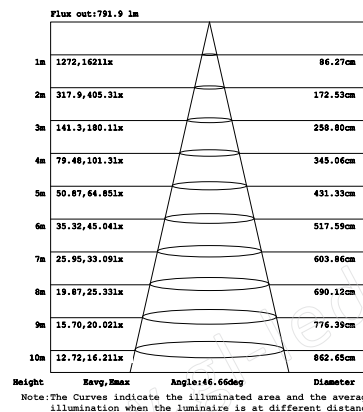
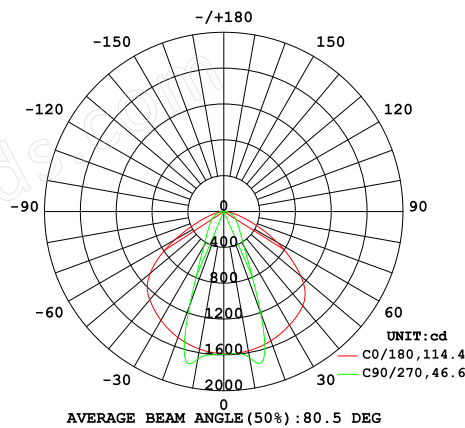
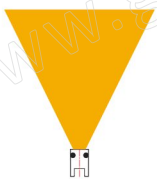
## Light Distribution Diagram



120°, 1220mm[48in.], 30W, 4000K, CRI90



30°, 1220mm[48in.], 30W, 4000K, CRI90



45°, 1220mm[48in.], 30W, 4000K, CRI90

## Application Scene Illustration

### Wall washing & wall grazing performance to the wall (Horizontal mounting on the floor)



30° Side View



30° Front View

Distance to the wall is 50mm[1.97in.]  
Grazing height on the wall is 1800mm[70.9in.]



30° Front View

Distance to the wall is 100mm[3.94in.]  
Grazing height on the wall is 2000mm[78.7in.]



30° Front View

Distance to the wall is 200mm[7.87in.]  
Grazing height on the wall is 3000mm[118.1in.]

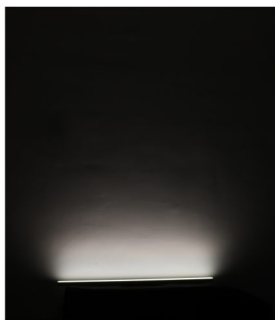


30° Front View

Distance to the wall is 300mm[11.8in.]  
Grazing height on the wall is 3500mm[137.8in.]

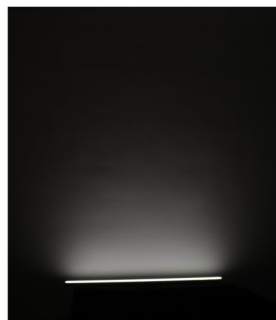


45° Side View



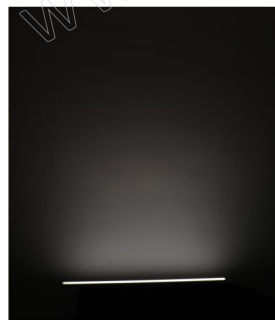
45° Front View

Distance to the wall is 50mm[1.97in.]  
Grazing height on the wall is 1200mm[47.2in.]



45° Front View

Distance to the wall is 100mm[3.94in.]  
Grazing height on the wall is 1500mm[59.1in.]



45° Front View

Distance to the wall is 200mm[7.87in.]  
Grazing height on the wall is 2200mm[86.6in.]



45° Front View

Distance to the wall is 300mm[11.8in.]  
Grazing height on the wall is 2500mm[98.4in.]



120° Side View

# LED Linear Light

## Characteristic Description



Versatile



Application cases in architecture: A is for contour lighting, B is for underground lighting, C is for wall washing or wall grazing lighting.

**"Architecture is the masterly, correct and magnificent play of masses, brought together in the light. Our eyes are made to see forms in light; light and shade reveal these forms."**

— Le Corbusier

Unique slim & light

W18\*H27mm [W0.7\*H1.06in.] and 0.5kg/M [0.15kg/ft.]

Outdoor exclusive cable with double waterproof technology



Metal end cap with double waterproof design

Tough aluminum housing

Excellent glue with strong weather resistance and hardness  
Special glue encapsulating process to prevent color shift  
Built-in accurate and optical grade of PMMA linear lens

Beam angle in 120°  
with milky color of glue

Beam angle in 30° and 45°  
with transparent color of glue



# LED Linear Light

## Characteristic Description

Cover the cable when making the connection.

The cable can be limited and fixed inside the trunking, while applying the installation accessory.

Top-View

Seamless splicing for the light, and the splicing cable is invisible by embedding in the trunking at the bottom.

Side-View

90°-180°

Top-View  
(upward/downward illumination)

The included angle between two neighboring luminaires is 90°-180° without the use of extension cable.  
Do not lower angles to avoid placing stress on cable.

Side-View  
(inward illumination)

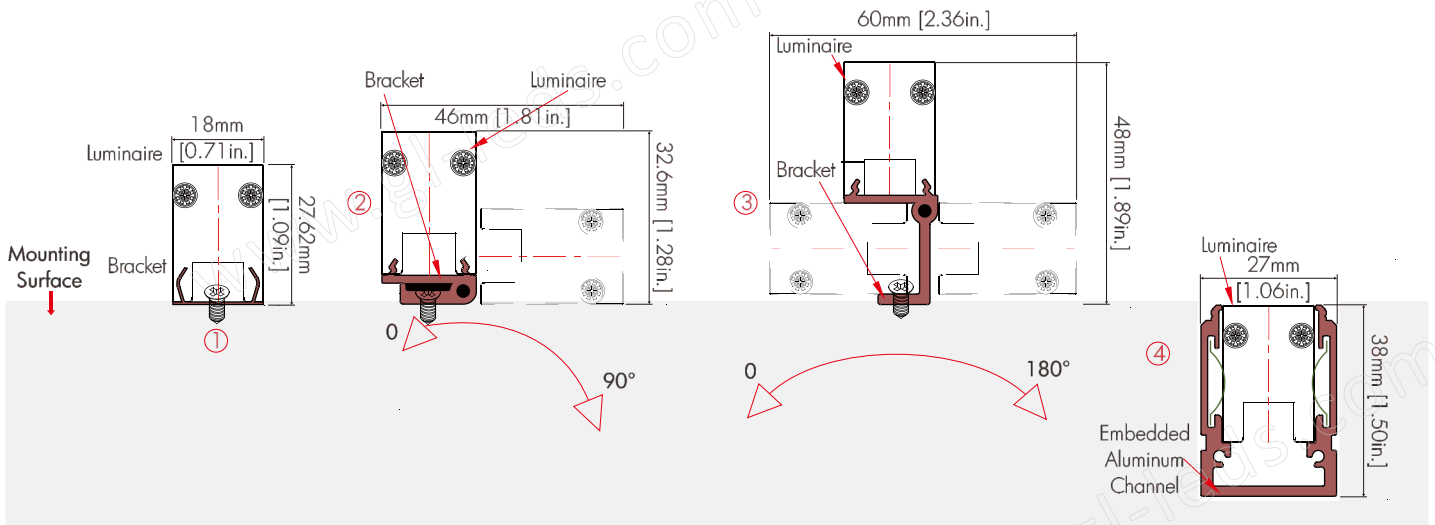
The included angle between two neighboring luminaires is 150°-180° without the use of extension cable.  
Do not lower angles to avoid placing stress on cable.

Side-View  
(outward illumination)

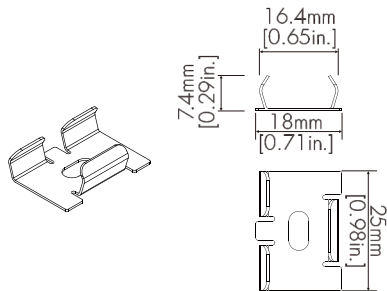
The included angle between two neighboring luminaires is 0°-180° without the use of extension cable.

Additional remark: please consider to use suitable extension cable for lower angle or other complex connection requirements!

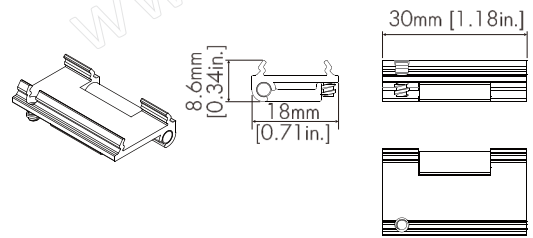
## Installation Accessory



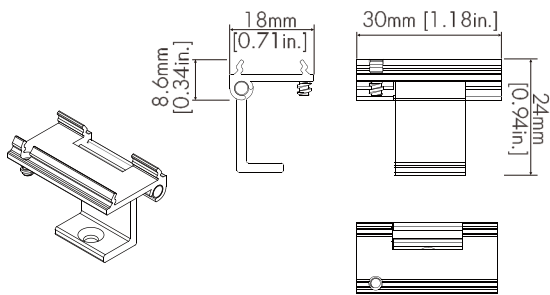
① Stainless bracket + Screw



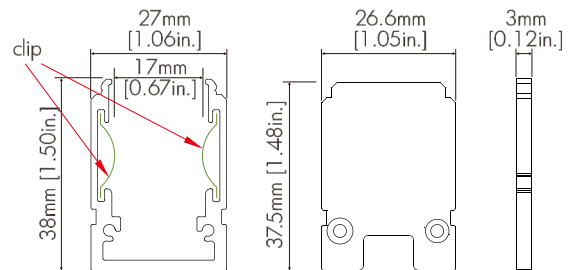
② 90° rotatable bracket with limit screw + Screw



③ 180° rotatable bracket with limit screw + Screw

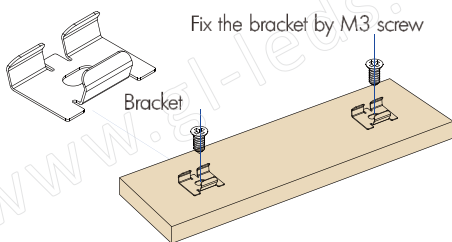


④ Embedded aluminum channel with clip

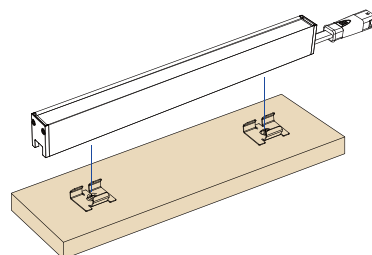


## Installation

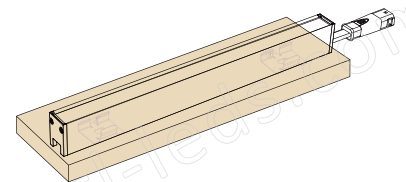
① Stainless bracket



2pcs for 1M[3.28ft.] length luminaire is advised.

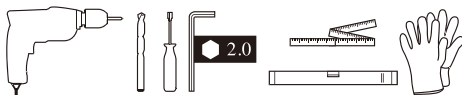


Fix the luminaire by pressing it to the bracket.



Adjust and complete.

Tool



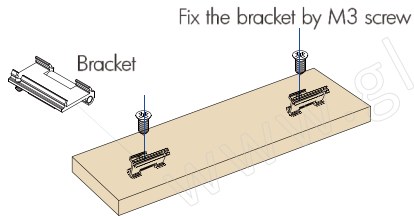
Sectional view after installation



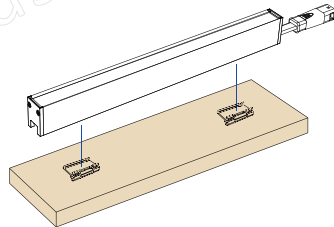
# LED Linear Light

## Installation

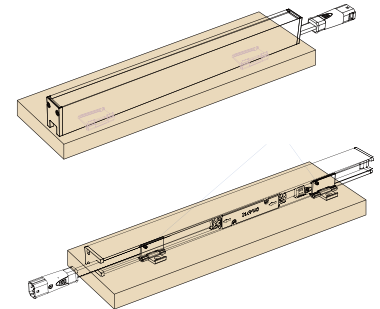
### ② 90° rotatable bracket



2pcs for 1M[3.28ft.] length luminaire is advised.

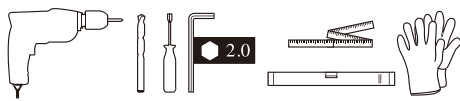


Fix the luminaire by pressing it to the bracket.

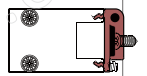


Adjust, lock the limit screw and complete

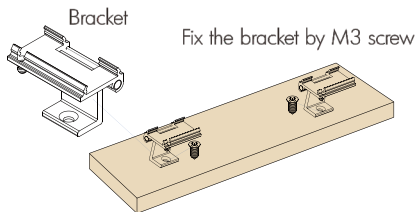
Tool



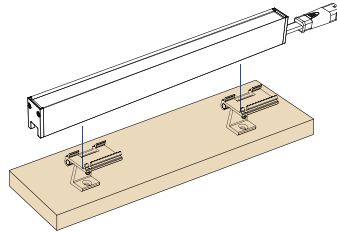
Sectional view after installation



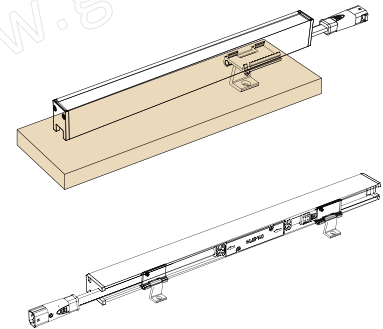
### ③ 180° rotatable bracket



2pcs for 1M[3.28ft.] length luminaire is advised.

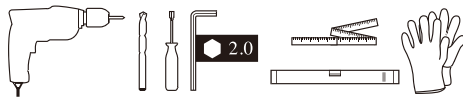


Fix the luminaire by pressing it to the bracket.

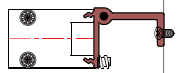


Adjust, lock the limit screw and complete

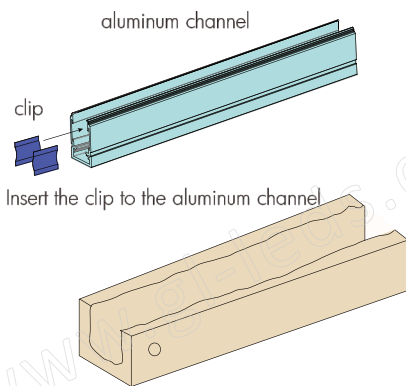
Tool



Sectional view after installation

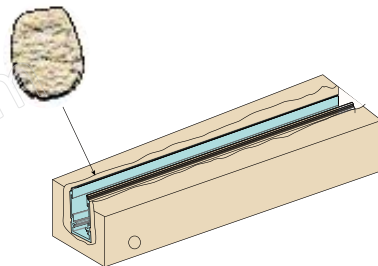


### ④ Embedded aluminum channel



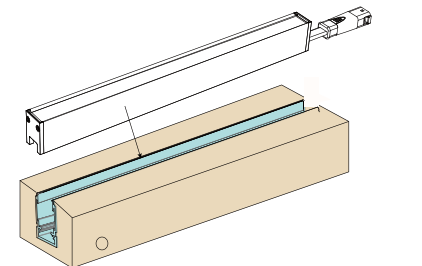
Make a groove on the group or wall with 25mm[1 in.] width.

Fill in the excess gaps with concrete.

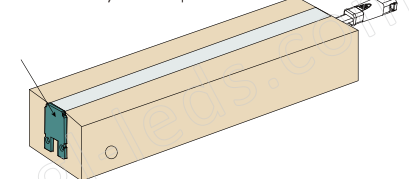


Place the aluminum channel to the groove.

Press the luminaire to the aluminum channel.

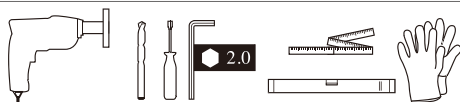


Seal the terminal by end cap and screw

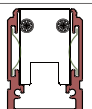


Adjust and complete.

Tool



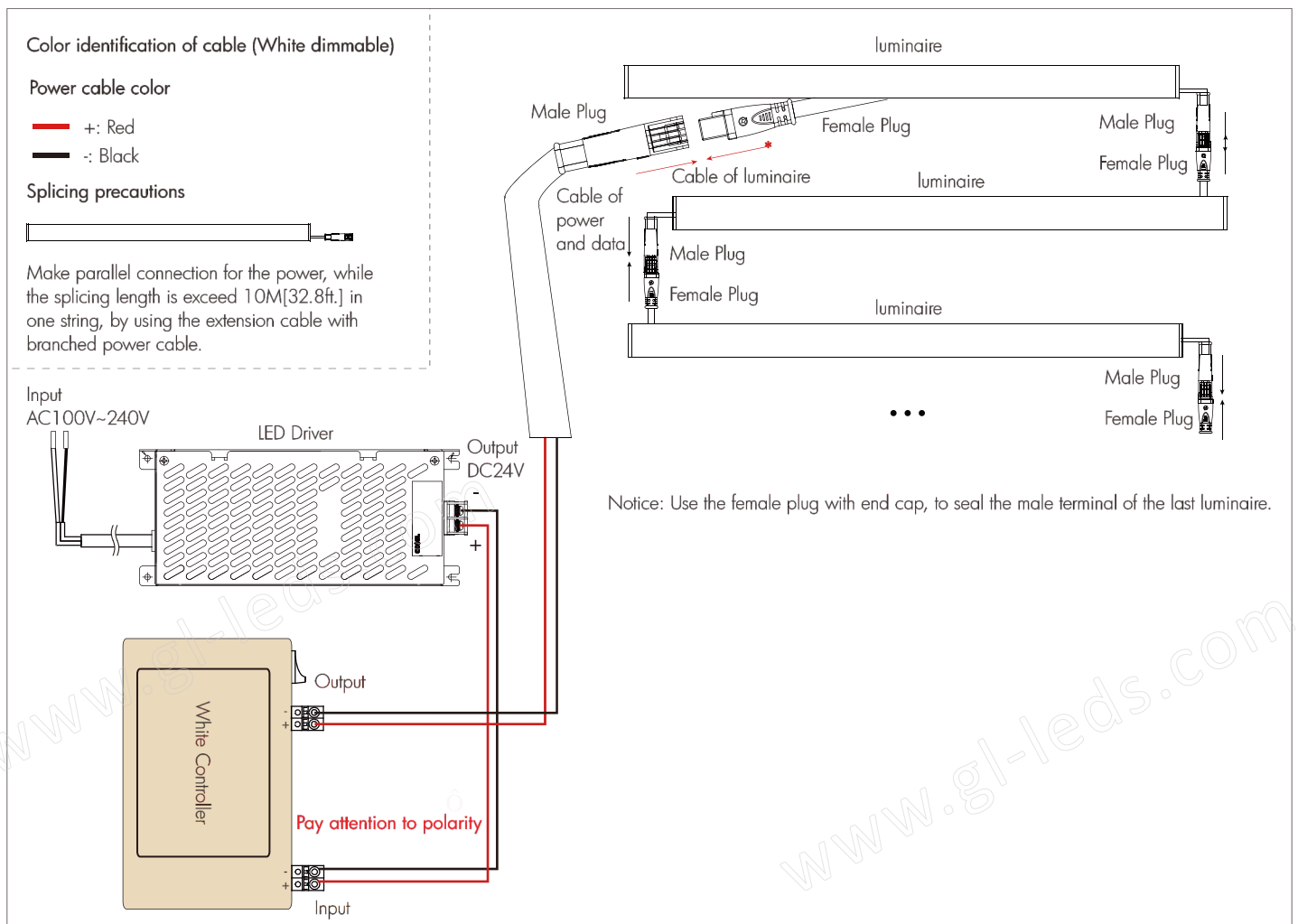
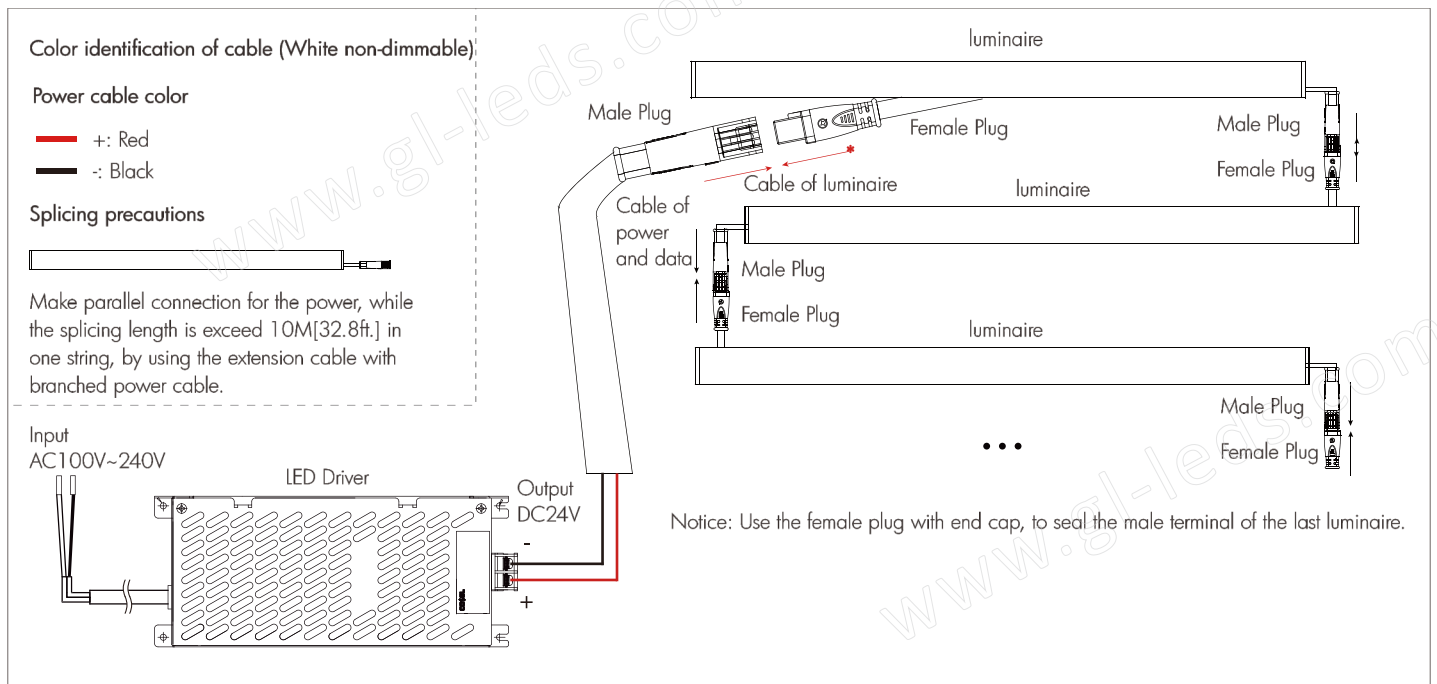
Sectional view after installation





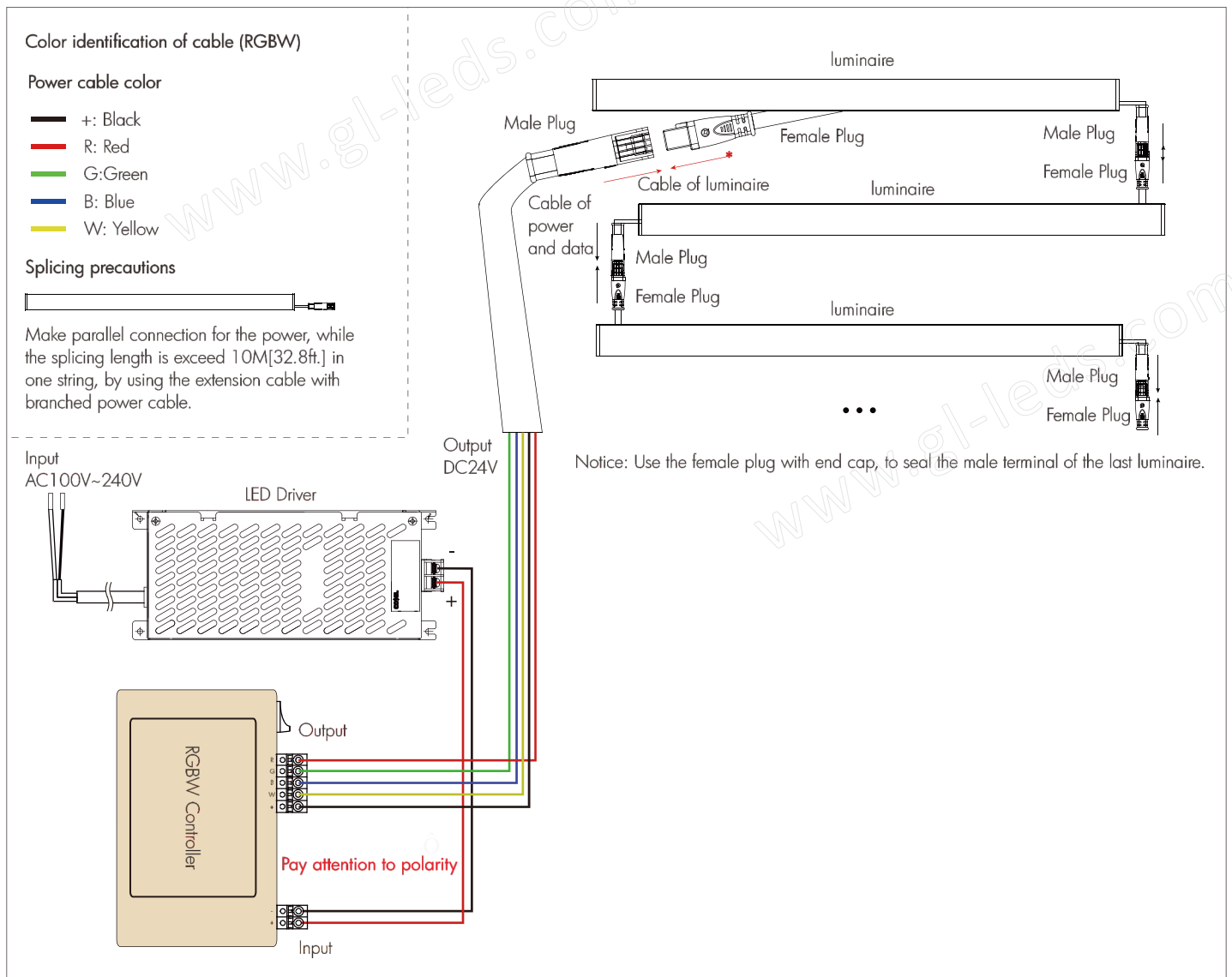
# LED Linear Light

## Connection (White)



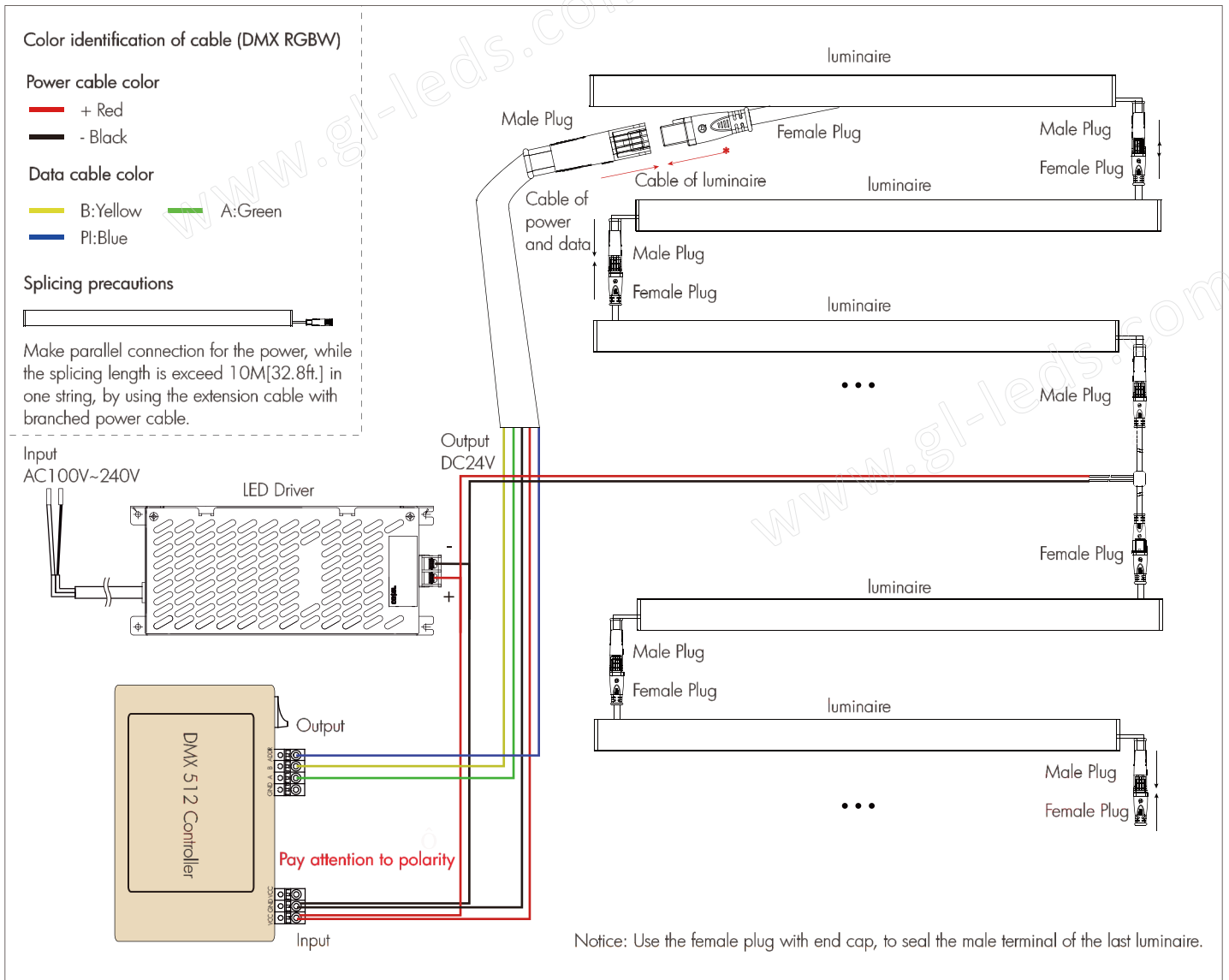
# LED Linear Light

## Connection (RGBW)



# LED Linear Light

## Connection (DMX RGBW)

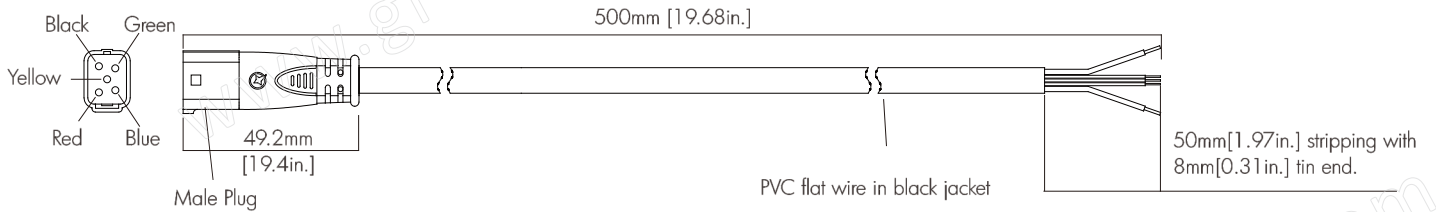




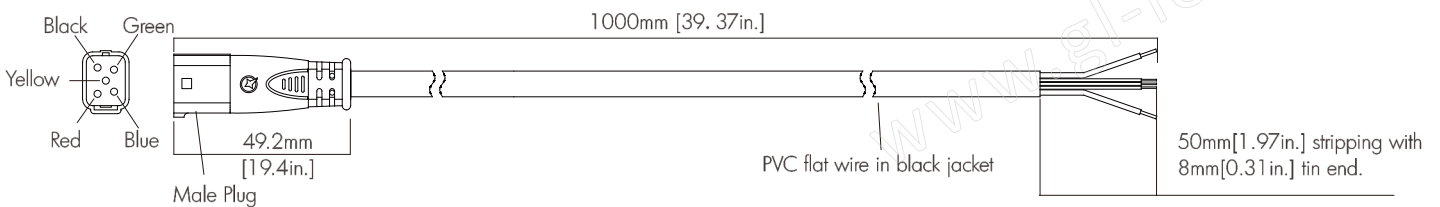
# LED Linear Light

## Waterproof Cable (2 cores for White, 5 cores for RGBW.)

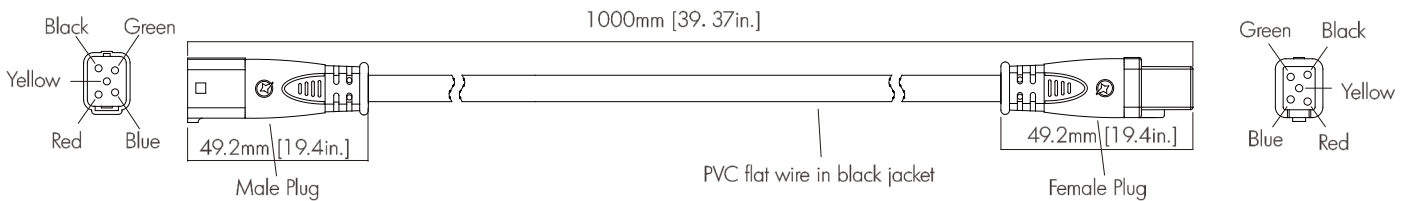
### Power Cable in 0.5M[1.64ft.]



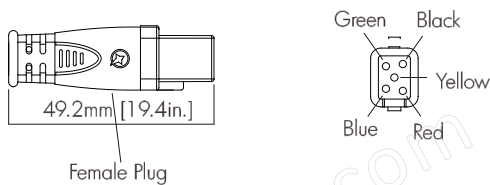
### Power Cable in 1M[3.28ft.]



### Extension Cable in 1M[3.28ft.]



### Female Plug without Cable as End Cap



#### Color identification of cable (White non-dimmable/dimmable)

##### Power cable color

- +: Red
- -: Black

#### Color identification of cable (RGBW)

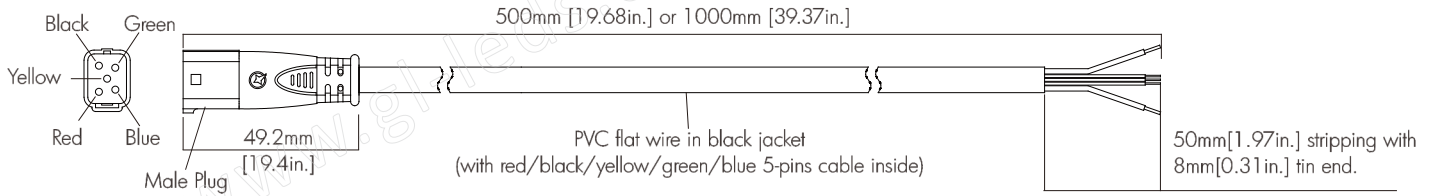
##### Power cable color

- +: Black
- R: Red
- G: Green
- B: Blue
- W: Yellow

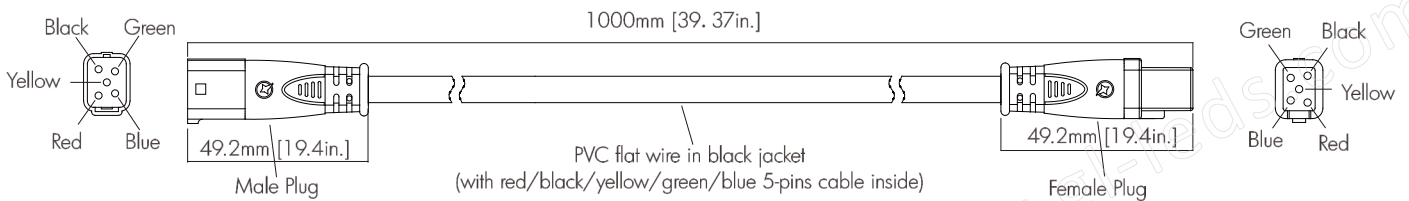
# LED Linear Light

## Waterproof Cable (5 cores for DMX RGBW.)

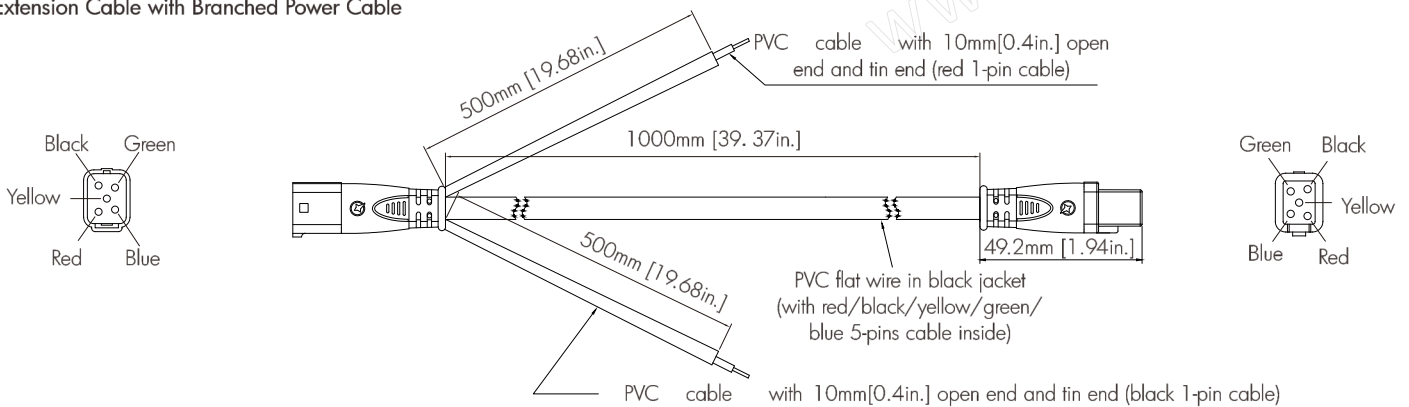
### Power Cable



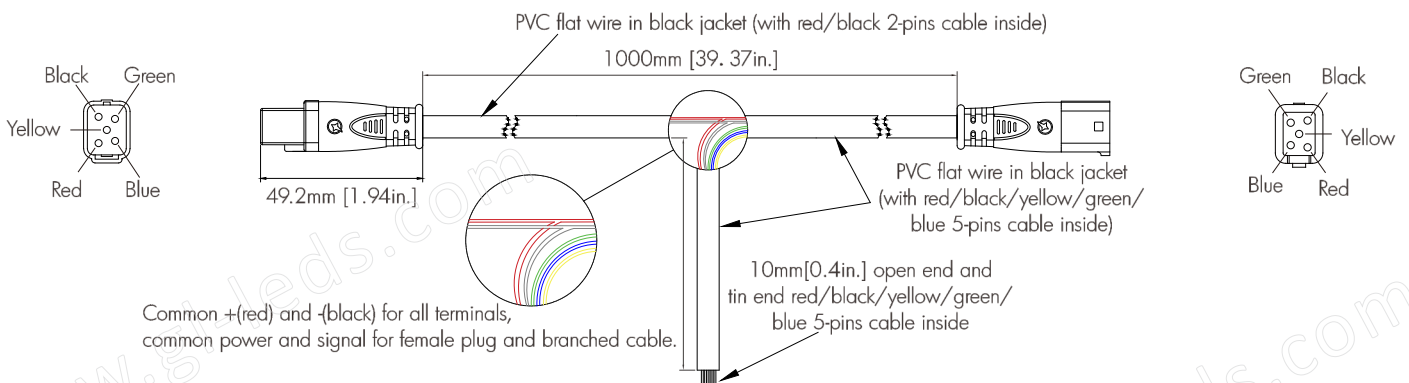
### Extension Cable



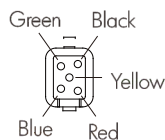
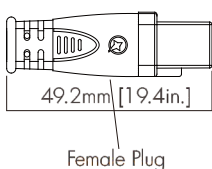
### Extension Cable with Branched Power Cable



### Extension Cable with Branched Power&Signal Cable



### Female Plug without Cable as End Cap

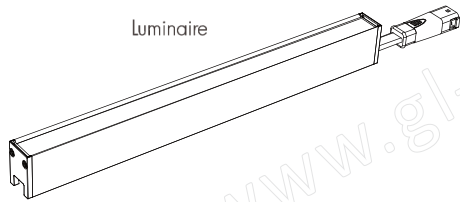


Power cable color (/DMX RGBW)	
— + Red	— - Black
Data cable color	
— B:Yellow	— A:Green
— PI:Blue	

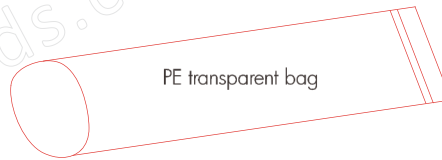
# LED Linear Light

## Packing

### Luminaire + Accessory



+



+

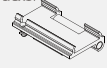
D=50mm[1.97in.]

OR bracket



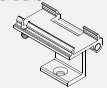
2pcs/bag

OR 90° rotatable bracket



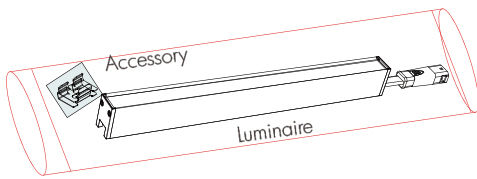
2pcs/bag

OR 180° rotatable bracket

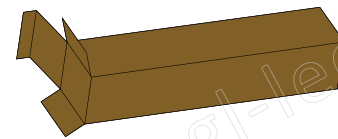


2pcs/bag

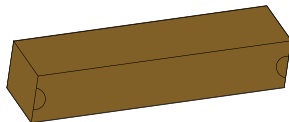
### Luminaire + Accessory + Carton



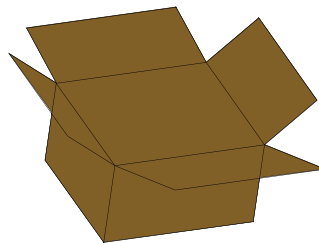
+



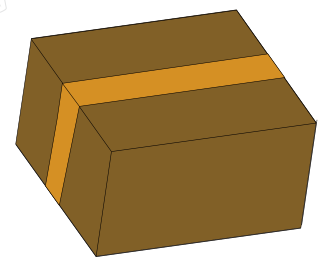
Carton: W35\*H25mm[W1.4\*H1in.]



+



=

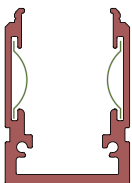


Carton: W35\*H25mm[W1.4\*H1in.]

K=K Carton: W215\*H200mm[W8.5\*H7.9in.]

40pcs/carton

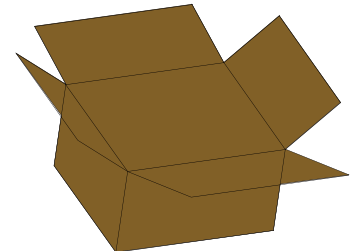
### Embedded aluminum channel



+



+



D=70mm[2.76in.]  
Length can be customized

K=K Carton: W240\*H210mm[W9.5\*H8.3in.]  
Length can be customized

## Notice

1. Adopt suitable power supply with power is 20% higher than the max. power of luminary, to ensure long time performance of power supply.
2. Avoid installation with electricity be connected, make sure all wiring are correct before switch on.
3. Privately refit or destroy its circuit and component inside the product, are forbidden.
4. Avoid scrape or bending during installation, it might be damaged with non repairable status.
5. Do not look steadily at the product in long time, it might let you feel dazzling.
6. Installation, disassembly and maintain are only executed by specialist.

### Edition

Release Date	Issuance of Category
2022.05.25	The 1st. Version
2022.11.15	The 2nd. Version
2023.01.12	The 3rd. Version