

XL - XL3 LED Indicator



Key Features

AC use available with AC adapter (AC Adapter is not appended.)

LED Color : Red, Green, Yellow, Blue

Dual-Color : Red/Green, Red/Blue, Blue/Green

Thickness : Only 14mm

Illuminating Size XL : 60×210mm XL3 : 86×278mm

	SPECIFICATIONS
Insulation Resistance	More than 100MΩ at DC 500V
Dielectric Strength	AC1500V RMS between terminals and ground (50/60Hz for 60 sec. at normal ambient and humidity)
Reverse Dielectric Strength	150V
Ambient Temperature	-10~40℃
Ambient Humidity	45~85% RH

How to Order

XL - 1 2

●SIZE

Blank	240mm×84mm
3	310mm×110mm

●ILLUMINATION

W0	Mono Color
W3	Dual Color

●LED COLOR

Mono color	7		Red
	9		Yellow
	14		Blue
	16		White
Dual Color	18		Green
	7	14	Red · Blue
	7	18	Red · Green
	14	18	Blue · Green

●HOUSING COLOR

K	Black
F	Ivory

●WIRE HARNESS LENGTH

W1	500mm
W2	1000mm

●MOUNTING ACCESSARY

1	Mounting Metal
2	Magnet Sheet
X	Not needed

※To be appended

●SUPPLY VOLTAGE

2	12V
3	24V
A	AC Adapter type

※Selected A, simultaneous lighting of dual-color and dimmer lighting can not be performed.

In addition, two wire harnesses are attached, one for color change and the other for AC adapter connection with DC jack.

Main unit is DC 12V type.

※AC adapter is not sold at our company.

Mono Color : Put color no. into the frame 1.

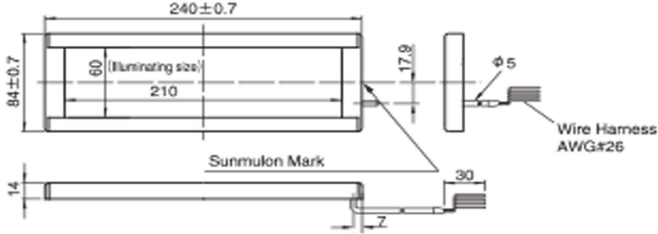
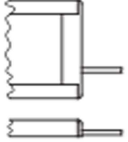
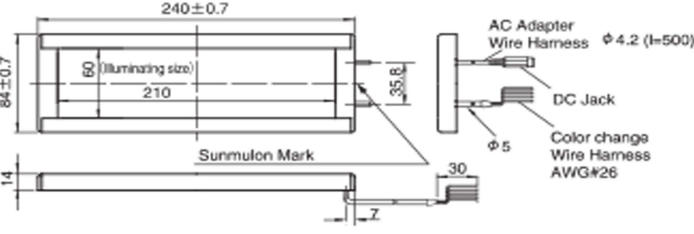
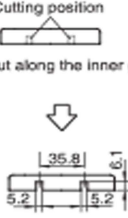
Dual color : Put color no. into the frame 1, 2 (714, 718, 1418)



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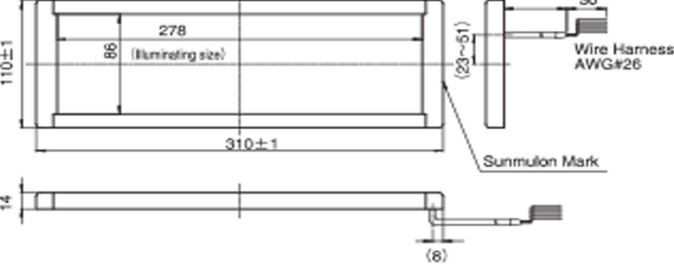
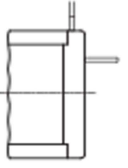
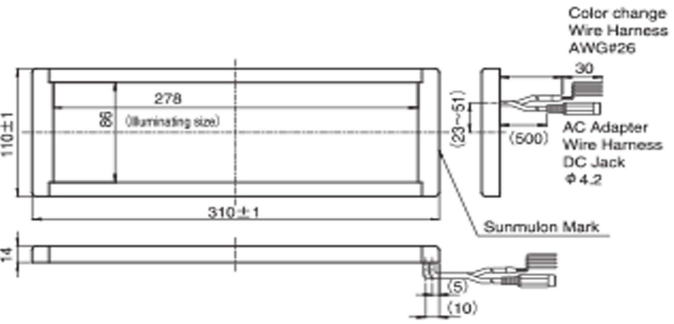
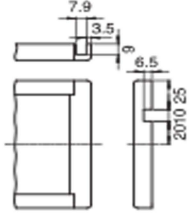
Dimensions

●XL

DC12、24V 		When using the wire harness from the side, please cut side part as shown below. 
AC Adapter type 		Cutting position Please cut along the inner groove. 

Tolerance : ±0.4mm

●XL3

DC12、24V 		When using the wire harness from the side, please cut side part as shown below. 
AC Adapter type 		Please cut along the inner groove. 

Tolerance : ±0.4mm

LED Data

DC Supply Voltage		Current Rating (m A)												
		Mono-Color / Dual-color (Standard)					Mono-Color / Dual-Color (Dimmer)					Sumiltaneous lighting (Dimmer)		
		Red	Yellow	Blue	White	Green	Red	Yellow	Blue	White	Green	Red · Blue	Red · Green	Blue · Green
XL	DC12V (±5%)	115	110	100	80	100	70	70	40	50	40	110	110	80
	DC24V (±5%)	40	40	50	40	50	20	20	25	25	25	45	45	50
	AC Adapter type AC100V	25	25	25	25	25	Not Applicable					Not Applicable		
XL3	DC12V (±5%)	200	200	200	100	200	120	120	70	60	70	190	190	140
	DC24V (±5%)	60	60	120	50	120	40	40	60	30	60	100	100	120
	AC Adapter type AC100V	50	50	50	25	50	Not Applicable					Not Applicable		
Note		In case of simultaneous lighting with DC12V/24V, please cpmnect (+) with LC-D (Dimmer). Simultaneous lighting / Dimmer function is not available for AC Adapter type.												

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Internal Connection Diagrams

	12V	24V	AC Adapter type
XL	Mono Color (All colors) 	Mono Color (Red - Yellow) LC-S (Standard) LC-D (Dimmer) (Blue - White - Green) LC-S (Standard) LC-D (Dimmer) 	Mono Color (All colors) (Standard)
	Dual Color (All colors) 	Dual Color (Red/Blue - Red/Green) LC-S (Standard) LC-D (Dimmer) (Blue/Green) LC-S (Standard) LC-D (Dimmer) 	Dual Color (All colors) (Standard)
XL3	Mono Color (All colors except White) 	Mono Color (Red - Yellow) LC-S (Standard) LC-D (Dimmer) (Blue - Green) LC-S (Standard) LC-D (Dimmer) 	Mono Color (All colors except White) (Standard)
	Mono Color (White) (White) 	Mono Color (White) (White) 	Mono Color (White) (White) (Standard)
	Dual Color (All colors) 	Dual Color (Red/Blue - Red/Green) LC-S (Standard) LC-D (Dimmer) (Blue/Green) LC-S (Standard) LC-D (Dimmer) 	Dual Color (All colors) (Standard)

AC Adapter is not appended. Main Unit is 12V type.

AC Adapter Use DC12V 1A Output, Center (+) $\phi 2.1 \times \phi 5.5$

Supply the power from the AC adapter and turn on and change the color with the color switching harness.

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Wiring

●DC12、24V

Wire Harness : UL1007 AWG#26

Wire Color	Brown	Red	Orange	Yellow
Function	LC-S (+) Standard	LC-D (+) Dimmer	L1 (-)	L2 (-)

Dual Color combination

LC-S _D -L1	Red	Red	Green
LC-S _D -L2	Blue	Green	Blue

●AC Adapter type

Wire Harness : UL1007 AWG#26

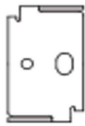
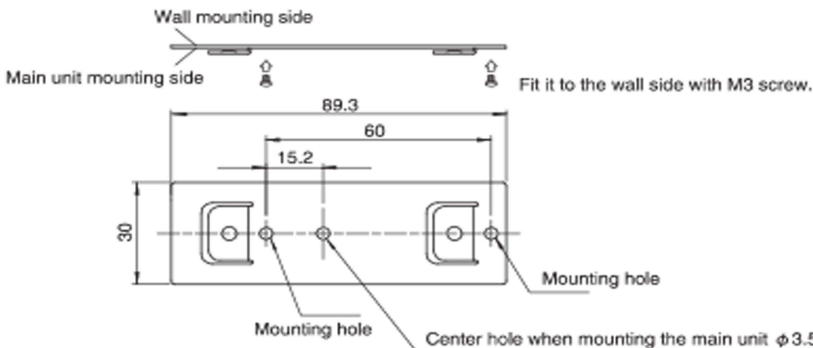
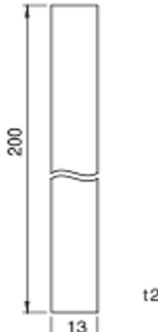
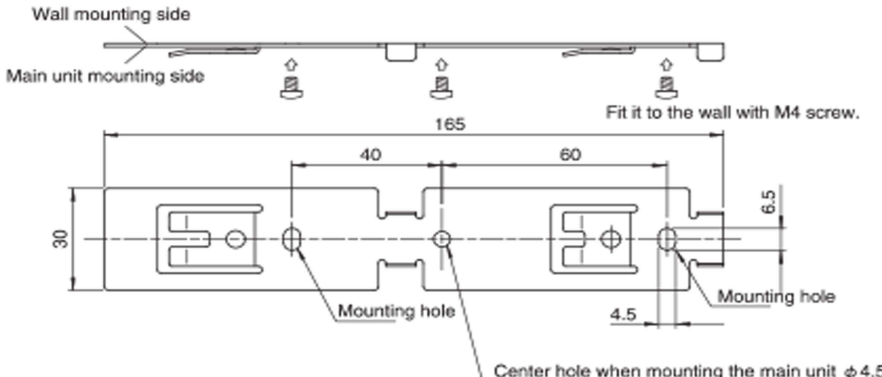
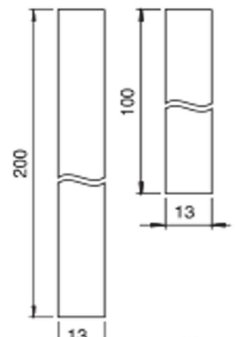
Wire Color	Brown	Red	Orange	Yellow
Function	—	COM	L1	L2

Connect with AC Adapter and make short-circuit COM-L1, L2 accordingly. Simultaneous lighting / Dimmer function is not available for AC adapter type.

Dual Color combination

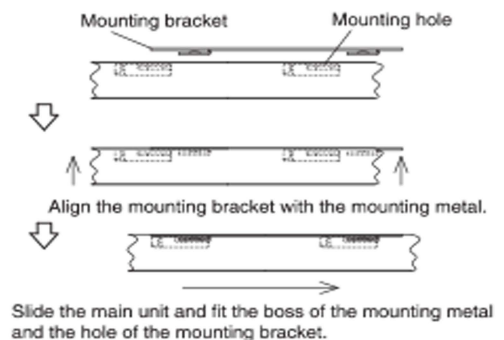
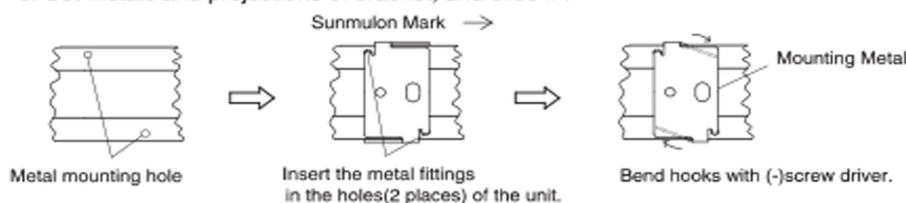
COM-L1	Red	Red	Green
COM-L2	Blue	Green	Blue

Mounting Method

Mounting Parts		Magnet Sheet
Mounting metal	Mounting Bracket	
XL  SECC t0.8	 SECC t0.8	
Part No. : XL-1301 (Set of mounting metal 2 pcs and mounting bracket 1 sheet)		Part No. : XL-1302 (2 pcs of Magnet sheet)
XL3  SECC t0.8	 SECC t1	
Part No. : XL-1455 (Set of mounting metal 2 pcs and mounting bracket 1 sheet)		Part No. : XL-1454 (2 large and small each 1 set)

●How to install using mounting parts

1. Mount 2 pcs of metal on the bottom of the unit.
2. Mount bracket on the wall.
3. Set metals and projections of bracket, and slide in.



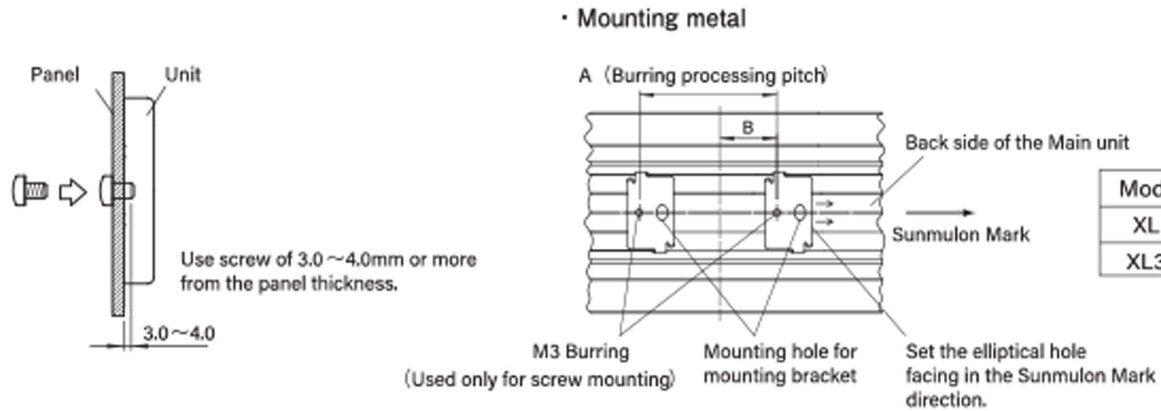
On the other hand, it is possible to mount with adhesive couple-face tape or hang with string etc., provided that you confirm its safety.

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Mounting Method

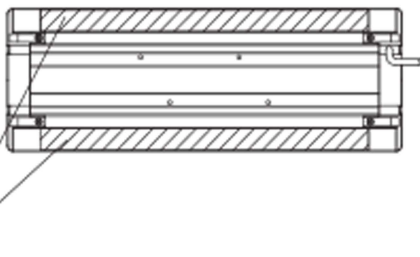
●Using mounting metal

1. Mount 2 pcs. of metal on the bottom of the unit.
2. Drill holes in the panel and fix with the M3 screw from the back of the panel to burring part of the mounting metal.



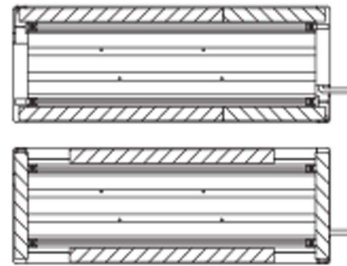
●Using Magnet Sheet (For easy mounting, when mounting securely, use the mounting metal and bracket.)

• XL



Attach a magnet sheet with couple-face tape to the back of the main unit.
After pasting, it can be attached to an iron plate etc.

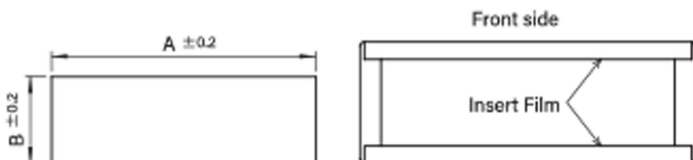
• XL3



2 pcs. of Magnet Sheet with couple-face tape to be appended.

Recommended Size of Inserting Film

●File (PET t=0.1)



Model	A	B
XL	209.8	75.8
XL3	278	96.5

※Please write favorite words down with PC and print on film.
Then, cut the film accordingly.

※Please do not disassemble the main unit.