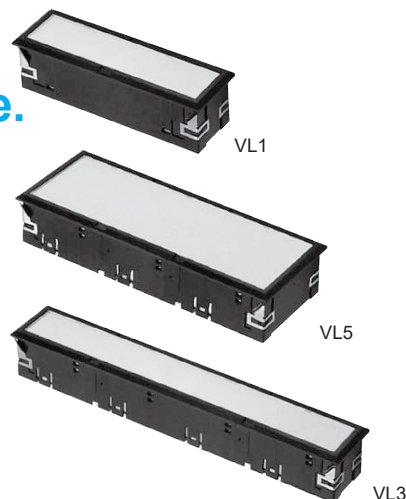


Available 6 sizes according to number of characters desired to indicate.

- Display surface : VL1 = 17×72 mm (External dimension : 25×80 mm) and other 5 sizes.
- Depth behind panel : 20 mm
- Terminal : Connector (Original connector)
- Mounting : Snap-in mounting
- Illumination type : Full-Face, Dual-Color, 2-Split-Face, 2-Split-Dual-Color, Negative
- Accessories : Wire harness

Negative illumination : The engraved letters are clearly visible only when the light is on, and when the light is off, the engraved characters are hidden by the semitransparent black cover.



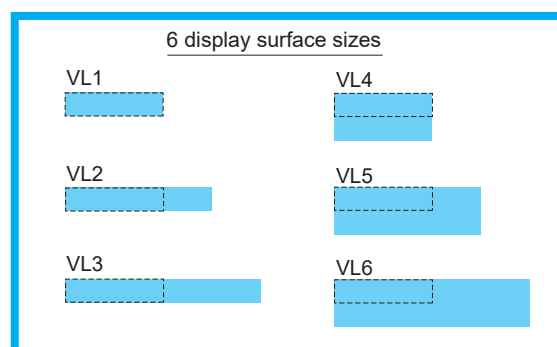
CHARACTERISTICS

Display Surface Size	VL1 : 17×72, VL2 : 17×108, VL3 : 17×144, VL4 : 35×72, VL5 : 35×108, VL6 : 35×144
Illumination Color	Red, Green, Yellow, Super Blue, Super White, Super Green
Illumination Type	Full-Face, Dual-Color, 2-Split-Face, 2-Split-Dual-Color
Supply Voltage	DC5V, 12V, 24V ± 5%
Consumption Current	220mA max. (VL6)
Terminal Shape	Original connector (6 pins)
Insulation Resistance	More than 100 MΩ at DC 500 V
Dielectric Strength	AC 1500 V RMS between terminals and ground 50/60 Hz for 60 sec. at normal ambient temperature and humidity
Peak Reverse Voltage	150V ※ Except DC5V (10V)
Ambient Operating Temperature	−10°C to 40°C (No Freeze, No Condensation)
Ambient Operating Humidity	45 to 85%RH max.(No Condensation)
Ambient Storage Temperature	−25°C to 65°C (No Freeze, No Condensation)
Ambient Storage Humidity	85%RH max. (No Condensation)
RoHS (10 Substances)	Conform to standards

SPECIFICATIONS

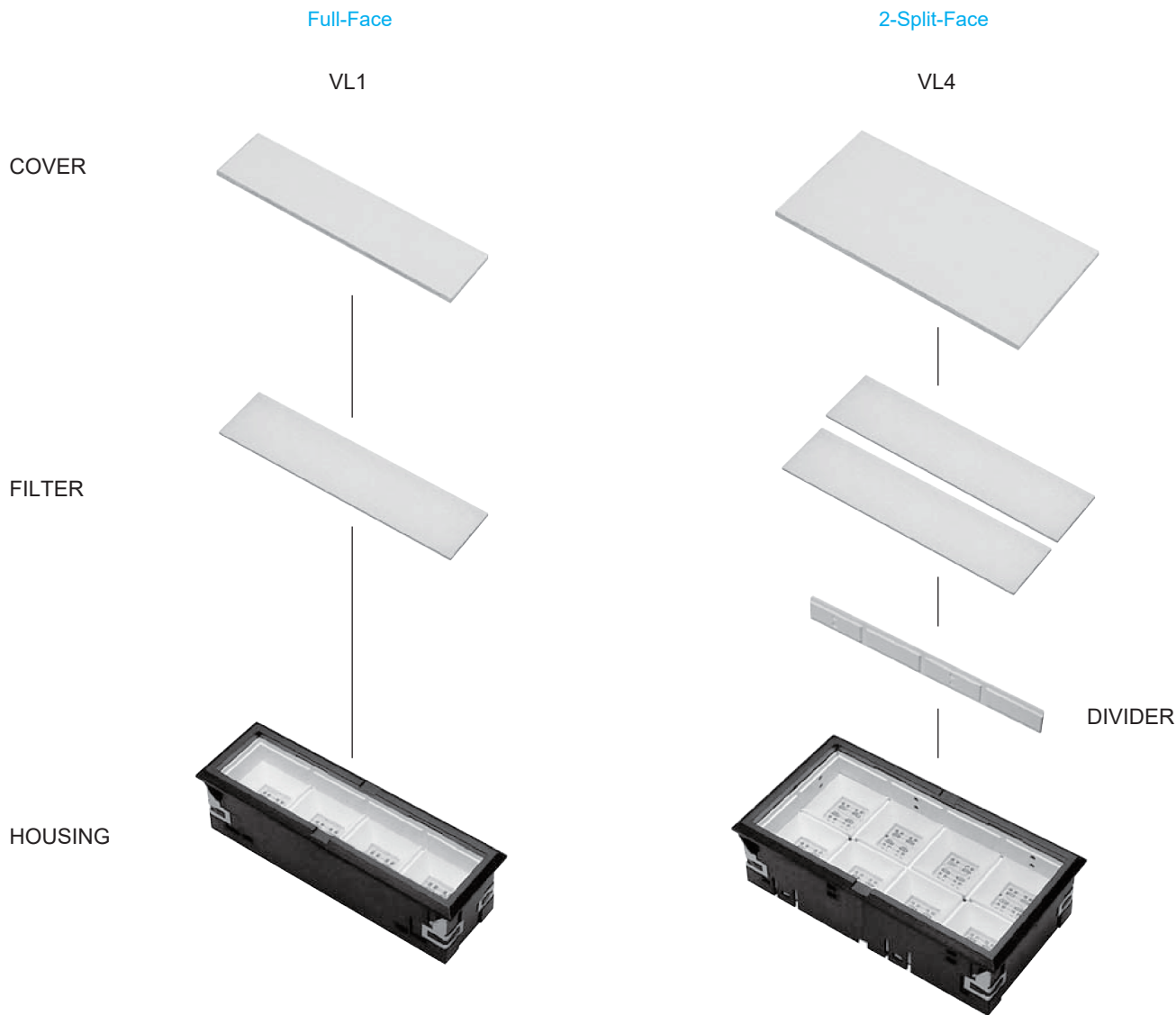
		DC5V	DC12V	DC24V
Illumination type	Full-Face	A	A	A
	3-Color	A	A	A
	2-Split-Face (Vertical)	A	A	A
	2-Split-Face (Horizontal)	A	A	A
	2-Split-Dual-Color	A	A	A
	Multi-Split-Face	A	A	A
Illumination Color	Red (70)	A	A	A
	Green (80)	A	A	A
	Yellow (90)	A	A	A
	Super Blue (14)	N/A	A	A
	Super White (16)	N/A	A	A
	Super Green (18)	N/A	A	A

A : Applicable N/A : Not applicable



VL
LED INDICATOR

STRUCTURE



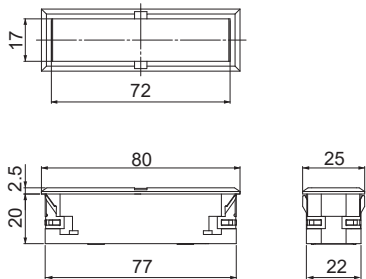
VL
LED INDICATOR

DIMENSIONS

VL1



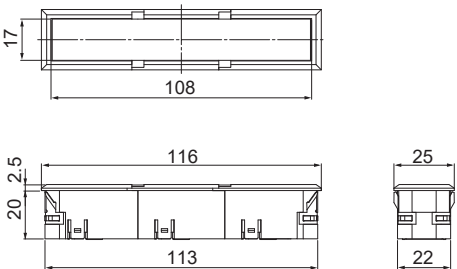
3D
DXF



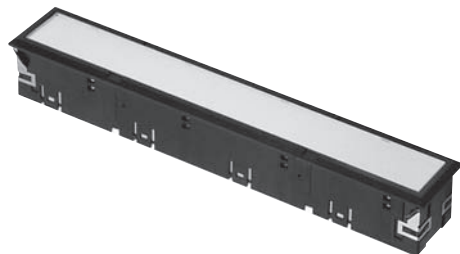
VL2



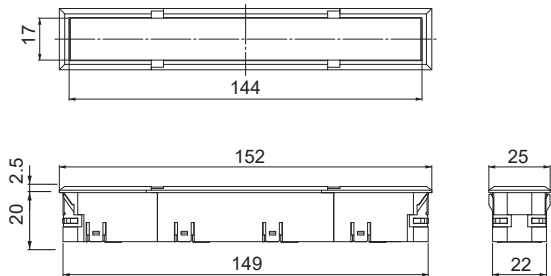
3D
DXF



VL3



3D
DXF



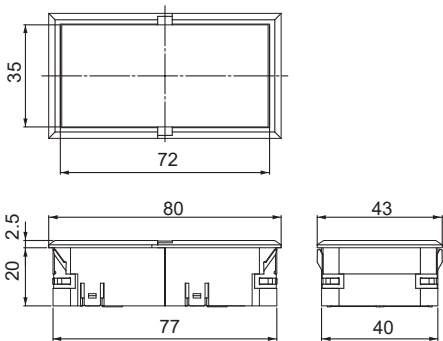
VL
LED INDICATOR

DIMENSIONS

VL4



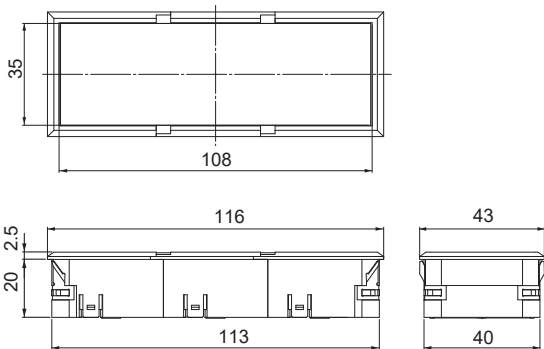
3D
DXF



VL5



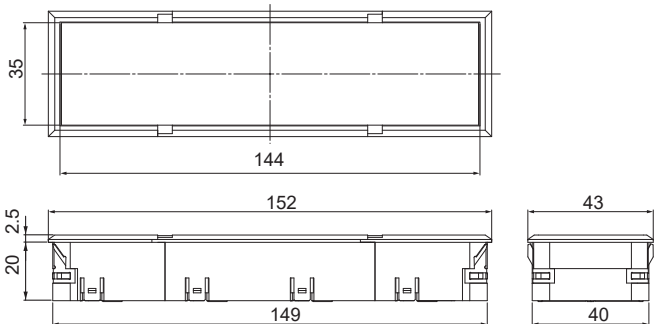
3D
DXF



VL6



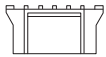
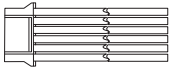
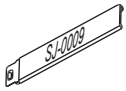
3D
DXF



VL

LED INDICATOR

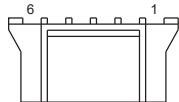
ACCESSORIES

Name	Appearance	Classification	Part no.		Precautions for use
Connector		Housing	EH-3251		- 1 Housing and 6 contacts set. ※ Please specify whether or not to attach it by ordering code. ※ Please contact JST for more information about contact crimping tools.
		Contact			
Wire harness		Wire harness	100cm	EH-3250-1	- For other dimensions, please contact us.
			200cm	EH-3250-2	
		For cross wiring	VL-1058-1		- Attached to VL4,VL5,VL6.
Removing tool		For removal cover	SJ-0009		- Be used to remove cover from housing.

Connector

Part no.	EH-3251
----------	---------

1 Housing & 6 contact pins to be appended.



Housing
(JST made PHR-6)

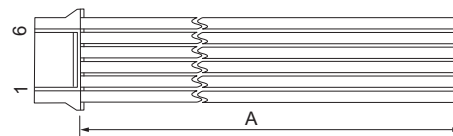


Contact pin
(JST made SPH-002T-P0.5S)

Wire harness

Part no.	EH-3250-1	EH-3250-2
A length	100cm	200cm

Wire : UL1061 AWG26



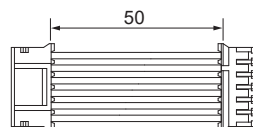
Pin No.	1	2	3	4	5	6
Wire Color	Brown	Red	Orange	Yellow	Green	Blue

Connector for Cross wiring

(Attached to VL4, VL5, VL6)

Part no.	VL-1058-1
----------	-----------

Wire : UL1061 AWG26



VL

LED INDICATOR

ORDERING CODE [Full-Face]

Assembled Part

VL – W0

● SHAPE

1	17×72
2	17×108
3	17×144
4	35×72
5	35×108
6	35×144

● ILLUMINATION TYPE

W0	Full-Face
----	-----------

● LED COLOR

70	Red
80	Green
90	Yellow
14	Super-Blue ※1)
16	Super-White ※1)
18	Super-Green ※1)
X	Without LED

Yellow (90) is actually "ORANGE Yellow" not Lemon Yellow.

● COVER COLOR

C	Transparent
SK	Semitransparent (For Negative) ※2)

● HOUSING COLOR

K	Black
H	Gray

● MOUNTING ※4)

1	For Horizontal Mtg.
2	For Vertical Mtg.
X	Without Snap spring

● Supply Voltage to LED

1	DC5V ※1)
2	DC12V
3	DC24V
X	Without LED

● LED CIRCUIT

A	Anode common
K	Cathode common
X	Without LED

● TERMINAL

K	Connector with Accessories ※3)
N	Connector without Accessories

● FILTER COLOR

1	Red
2	Green
3	Orange Yellow
4	Milk-white ※2)
6	Blue
X	Without filter

● NOTES

- ※1) The color of LED Super-Blue, Super-White, Super-White cannot be specified DC 5V, specify DC12V or DC24V.
- ※2) For Negative illumination, specify filter Milk-white (4). The filter for negative illumination has black silk printing on one side.
- ※3) Attached to EH-3251. For the connector, refer to Accessories page.
- ※4) Snap spring metal plates come out Left / Right direction for Vertical mounting, and Top / Bottom direction for Horizontal mounting to avoid interfering mutually. Therefore, in case of independent use, it does not matter. (select 1 Horizontal ordinary)

◇Dimensions : page VL-3~4

◇LED specifications : page VL-37

◇Accessories : page VL-5

◇Terminals : page VL-39

◇Internal connection arrangements : page VL-11~15

◇Mounting design / Panel cutout : page VL-40~41

VL

LED INDICATOR

ORDERING CODE [Dual-Color]

Assembled Part

VL — W3 1 2

● SHAPE

1	17 × 72
2	17 × 108
3	17 × 144
4	35 × 72
5	35 × 108
6	35 × 144

● ILLUMINATION TYPE

W3	Dual-Color
----	------------

● LED COLOR ※1)

7	Red	Put the color numbers into frame 1, 2. (Dual-Color combination) 78 · 79 · 714 · 716 · 718 914 · 916 · 918 · 1416 · 1418 1616 · 1618
8	Green	
9	Yellow	
14	Super-Blue	
16	Super-White	
18	Super-Green	

Yellow (90) is actually "ORANGE Yellow" not Lemon Yellow.

● COVER COLOR

C	Transparent
SK	Semitransparent (For Negative) ※2)

● HOUSING COLOR

K	Black
H	Gray

● FILTER COLOR

4	Milk-white
X	Without filter

● MOUNTING ※4)

1	For Horizontal Mtg.
2	For Vertical Mtg.
X	Without Snap spring

● Supply Voltage to LED

1	DC5V	※1)
2	DC12V	
3	DC24V	

● LED CIRCUIT

A	Anode common
K	Cathode common

● TERMINAL

K	Connector with Accessories	※3)
N	Connector without Accessories	

● NOTES

- ※1) The color of LED Super-Blue, Super-White, Super-White cannot be specified DC 5V, specify DC12V or DC24V.
- ※2) For Negative illumination, specify filter Milk-white (4). The filter for negative illumination has black silk printing on one side.
- ※3) Attached to EH-3251. For the connector, refer to Accessories page.
- ※4) Snap spring metal plates come out Left / Right direction for Vertical mounting, and Top / Bottom direction for Horizontal mounting to avoid interfering mutually. Therefore, in case of independent use, it does not matter. (select 1 Horizontal ordinary)

◇Dimensions : page VL-3~4

◇LED specifications : page VL-37

◇Accessories : page VL-5

◇Terminals : page VL-39

◇Internal connection arrangements : page VL-16~20

◇Mounting design / Panel cutout : page VL-40~41

VL

LED INDICATOR

ORDERING CODE [2-Split-Face]

Assembled Part

VL — 1 2 1 2

● SHAPE

1	17 × 72
2	17 × 108
3	17 × 144
4	35 × 72
5	35 × 108
6	35 × 144

● ILLUMINATION TYPE

W1	2-Split-Face (Vertical)
W2	2-Split-Face (Horizontal) ※1)

● MOUNTING ※6)

1	For Horizontal Mtg.
2	For Vertical Mtg.
X	Without Snap spring

● Supply Voltage to LED

1	DC5V ※3)
2	DC12V
3	DC24V
X	Without LED

● LED COLOR ※2) ※3)

7	Red	Put the color numbers into frame 1, 2.
8	Green	
9	Yellow	
14	Super-Blue	For Non-illuminated Put XX into frame 1, 2.
16	Super-White	
18	Super-Green	
X	Without LED	

The combination of With LED and Without LED cannot be specified.
Yellow (90) is actually "ORANGE Yellow" not Lemon Yellow.

● COVER COLOR

C	Transparent
SK	Semitransparent (For Negative) ※4)

● HOUSING COLOR

K	Black
H	Gray

● LED CIRCUIT

A	Anode common
K	Cathode common
X	Without LED

● TERMINAL

K	Connector with Accessories ※5)
N	Connector without Accessories

● FILTER COLOR ※2) ※4)

1	Red	Put the color numbers into frame 1, 2.
2	Green	
3	Orange Yellow	
4	Milk-white	For Without filter Put XX into frame 1, 2.
6	Blue	
X	Without filter	

The combination of With filter and Without filter cannot be specified.

● NOTES

※1) Only VL4, VL5, VL6 can be specified for 2-Split-Face (Horizontal).

※2) How to specify the color of LED and filter

Select the color symbols listed in the ordering code, and put them into the frame 1 and 2 referring to the figure below.
The numbers in the figure match the location specified in the ordering code.

Vertical	<table><tr><td>1</td><td>2</td></tr></table>	1	2	Horizontal	<table><tr><td>1</td></tr><tr><td>2</td></tr></table>	1	2
1	2						
1							
2							

※3) The color of LED Super-Blue, Super-White, Super-White cannot be specified DC 5V, specify DC12V or DC24V.

※4) For Negative illumination, specify filter Milk-white (4). The filter for negative illumination has black silk printing on one side.

※5) Attached to EH-3251. For the connector, refer to Accessories page.

※6) Snap spring metal plates come out Left / Right direction for Vertical mounting, and Top / Bottom direction for Horizontal mounting to avoid interfering mutually. Therefore, in case of independent use, it does not matter. (select 1 Horizontal ordinary)

◇Dimensions : page VL-3~4

◇LED specifications : page VL-38

◇Accessories : page VL-5

◇Terminals : page VL-39

◇Internal connection arrangements : page VL-21~28

◇Mounting design / Panel cutout : page VL-40~41

VL

LED INDICATOR

ORDERING CODE [2-Split-Dual-Color]

Assembled Part

VL — 1 2 3 4 1 2

● SHAPE

1	17 × 72
2	17 × 108
3	17 × 144
4	35 × 72
5	35 × 108
6	35 × 144

● ILLUMINATION TYPE

W4	2-Split-Face (Vertical)
W5	2-Split-Face (Horizontal) ※1)

● LED COLOR ※2) ※3)

7	Red	Put the two color numbers into frame 1, 2 and 3, 4. (Dual-Color combination)
8	Green	
9	Yellow	
14	Super-Blue	
16	Super-White	
18	Super-Green	
		78 · 79 · 714 · 716 · 718
		914 · 916 · 918 · 1416 · 1418
		1616 · 1618

Yellow (90) is actually "ORANGE Yellow" not Lemon Yellow.

● COVER COLOR

C	Transparent
SK	Semitransparent (For Negative) ※4)

● HOUSING COLOR

K	Black
H	Gray

● MOUNTING ※6)

1	For Horizontal Mtg.
2	For Vertical Mtg.
X	Without Snap spring

● Supply Voltage to LED

1	DC5V ※3)
2	DC12V
3	DC24V

● LED CIRCUIT

A	Anode common
K	Cathode common

● TERMINAL

K	Connector with Accessories ※5)
N	Connector without Accessories

● FILTER COLOR

4	Milk-white	For with filter Put 44 into frame 1, 2.
X	Without filter	For Without filter Put XX into frame 1, 2.

The combination of With filter and Without filter cannot be specified.

● NOTES

※1) Only VL4, VL5, VL6 can be specified for 2-Split-Face (Horizontal).

※2) How to specify the color of LED and filter

Select the color symbols listed in the ordering code, and put them into the frame 1 and 2 referring to the figure below.
The numbers in the figure match the location specified in the ordering code.

Vertical	<table><tr><td>1</td><td>2</td></tr></table>	1	2	Horizontal	<table><tr><td>1</td></tr><tr><td>2</td></tr></table>	1	2
1	2						
1							
2							

※3) The color of LED Super-Blue, Super-White, Super-White cannot be specified DC 5V, specify DC12V or DC24V.

※4) For Negative illumination, specify filter Milk-white (4). The filter for negative illumination has black silk printing on one side.

※5) Attached to EH-3251. For the connector, refer to Accessories page.

※6) Snap spring metal plates come out Left / Right direction for Vertical mounting, and Top / Bottom direction for Horizontal mounting to avoid interfering mutually. Therefore, in case of independent use, it does not matter. (select 1 Horizontal ordinary)

◇Dimensions : page VL-3~4

◇LED specifications : page VL-38

◇Accessories : page VL-5

◇Terminals : page VL-39

◇Internal connection arrangements : page VL-29~36

◇Mounting design / Panel cutout : page VL-40~41

VL

LED INDICATOR

REPLACEMENT PARTS

● COVER

	VL1	VL2	VL3	VL4	VL5	VL6
Transparent	VL-1047-1CC	VL-1047-2CC	VL-1047-3CC	VL-1048-1CC	VL-1048-2CC	VL-1048-3CC
Semitransparent (Negative)	VL-1047-1SK	VL-1047-2SK	VL-1047-3SK	VL-1048-1SK	VL-1048-2SK	VL-1048-3SK

● Full-Face FILTER

	VL1	VL2	VL3	VL4	VL5	VL6
Red	VL-1049-4LR	VL-1049-6LR	VL-1049-8LR	VL-1050-4LR	VL-1050-6LR	VL-1050-8LR
Green	VL-1049-4LG	VL-1049-6LG	VL-1049-8LG	VL-1050-4LG	VL-1050-6LG	VL-1050-8LG
Orange Yellow	VL-1049-4LO	VL-1049-6LO	VL-1049-8LO	VL-1050-4LO	VL-1050-6LO	VL-1050-8LO
Milk-white	VL-1049-4LM	VL-1049-6LM	VL-1049-8LM	VL-1050-4LM	VL-1050-6LM	VL-1050-8LM
Blue	VL-1049-4LB	VL-1049-6LB	VL-1049-8LB	VL-1050-4LB	VL-1050-6LB	VL-1050-8LB
Negative	VL-1059-4LM	VL-1059-6LM	VL-1059-8LM	VL-1060-4LM	VL-1060-6LM	VL-1060-8LM
Shape ※1	(4)	(6)	(8)	(12)	(14)	(16)

※ The filter for negative illumination has black silk printing on one side.

● Dual-Color FILTER

	VL1	VL2	VL3	VL4	VL5	VL6
Milk-white	VL-1049-4LM	VL-1049-6LM	VL-1049-8LM	VL-1050-4LM	VL-1050-6LM	VL-1050-8LM
Negative	VL-1059-4LM	VL-1059-6LM	VL-1059-8LM	VL-1060-4LM	VL-1060-6LM	VL-1060-8LM
Shape ※1	(4)	(6)	(8)	(12)	(14)	(16)

※ The filter for negative illumination has black silk printing on one side.

● 2-Split-Face FILTER

	VL1~VL3					VL4~VL6				
Red	VL-1049-1LR	VL-1049-2LR	VL-1049-3LR	VL-1049-5LR	VL-1049-7LR	VL-1049-2LR	VL-1050-2LR	VL-1050-3LR	VL-1050-5LR	VL-1050-7LR
Green	VL-1049-1LG	VL-1049-2LG	VL-1049-3LG	VL-1049-5LG	VL-1049-7LG	VL-1049-2LG	VL-1050-2LG	VL-1050-3LG	VL-1050-5LG	VL-1050-7LG
Orange Yellow	VL-1049-1LO	VL-1049-2LO	VL-1049-3LO	VL-1049-5LO	VL-1049-7LO	VL-1049-2LO	VL-1050-2LO	VL-1050-3LO	VL-1050-5LO	VL-1050-7LO
Milk-white	VL-1049-1LM	VL-1049-2LM	VL-1049-3LM	VL-1049-5LM	VL-1049-7LM	VL-1049-2LM	VL-1050-2LM	VL-1050-3LM	VL-1050-5LM	VL-1050-7LM
Blue	VL-1049-1LB	VL-1049-2LB	VL-1049-3LB	VL-1049-5LB	VL-1049-7LB	VL-1049-2LB	VL-1050-2LB	VL-1050-3LB	VL-1050-5LB	VL-1050-7LB
Negative	VL-1059-1LM	VL-1059-2LM	VL-1059-3LM	VL-1059-5LM	VL-1059-7LM	VL-1059-2LM	VL-1060-2LM	VL-1060-3LM	VL-1060-5LM	VL-1060-7LM
Shape ※1	(1)	(2)	(3)	(5)	(7)	(9)	(10)	(11)	(13)	(15)

※ The filter for negative illumination has black silk printing on one side.

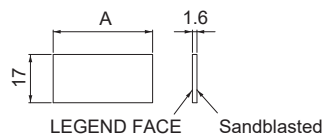
● 2-Split-Dual-Color FILTER

	VL1~VL3					VL4~VL6				
Milk-white	VL-1049-1LM	VL-1049-2LM	VL-1049-3LM	VL-1049-5LM	VL-1049-7LM	VL-1049-2LM	VL-1050-2LM	VL-1050-3LM	VL-1050-5LM	VL-1050-7LM
Negative	VL-1059-1LM	VL-1059-2LM	VL-1059-3LM	VL-1059-5LM	VL-1059-7LM	VL-1059-2LM	VL-1060-2LM	VL-1060-3LM	VL-1060-5LM	VL-1060-7LM
Shape ※1	(1)	(2)	(3)	(5)	(7)	(9)	(10)	(11)	(13)	(15)

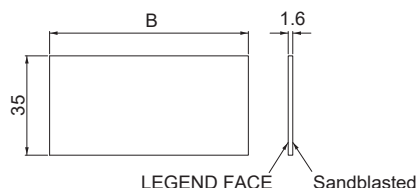
※ The filter for negative illumination has black silk printing on one side.

※ 1 : Refer to Filter dimensions shape number as below.

● FILTER DIMENSIONS

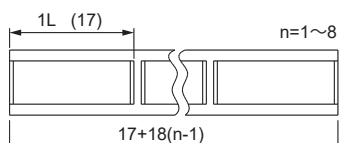


Shape	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
A Length	17	35	53	71	89	107	125	143



Shape	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
B Length	17 Same as (2)	35	53	71	89	107	125	143

● DIVIDER



	1L	2L	3L	4L	5L	6L	7L	8L
Length	17	35	53	71	89	107	125	143
Part no.	VL-1057-1	VL-1057-2	VL-1057-3	VL-1057-4	VL-1057-5	VL-1057-6	VL-1057-7	VL-1057-8

Tolerance : ± 0.4 mm

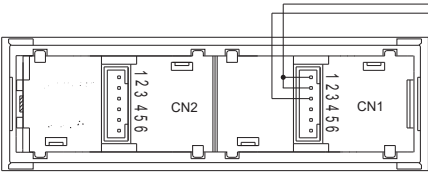
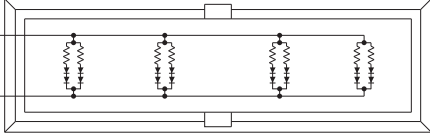
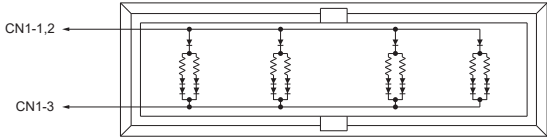
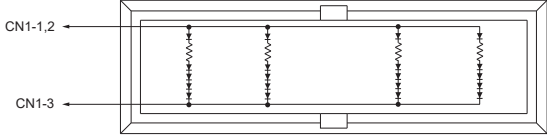
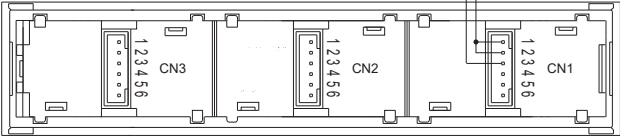
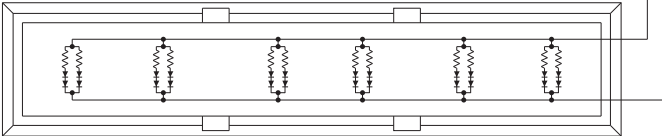
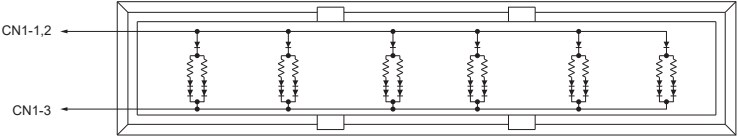
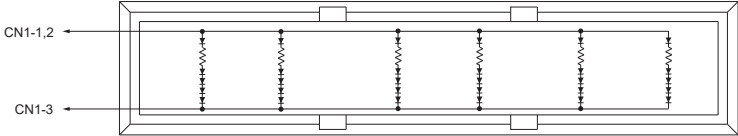
VL

LED INDICATOR

INTERNAL CONNECTION ARRANGEMENTS

● Full-Face

DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).

	Voltage	LED (7 • 8 • 9)	LED (14 • 16 • 18)
		BOTTOM VIEW	TOP VIEW
VL1	DC5V		
	DC12V		
	DC24V		
VL2	DC5V		
	DC12V		
	DC24V		

LED color : 70 (Red), 80 (Green), 90 (Yellow), 14 (Super-Blue), 16 (Super-White), 18 (Super-Green)

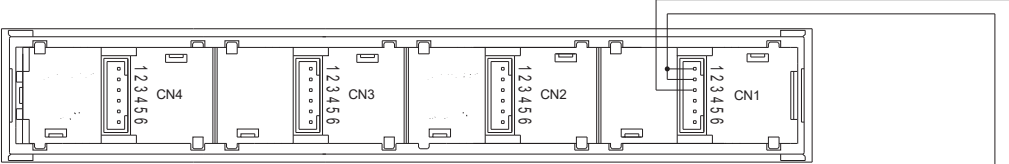
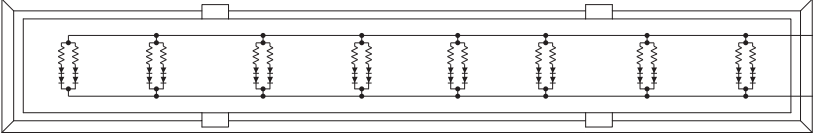
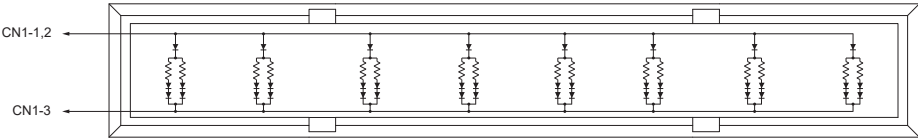
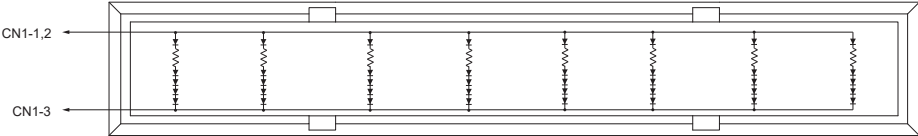
VL

LED INDICATOR

INTERNAL CONNECTION ARRANGEMENTS

● Full-Face

DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).

VL3	Voltage	LED (7 • 8 • 9)	LED (14 • 16 • 18)
	DC5V	BOTTOM VIEW  TOP VIEW 	
	DC12V		
	DC24V		

INTERNAL CONNECTION ARRANGEMENTS

- Full-Face

DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).

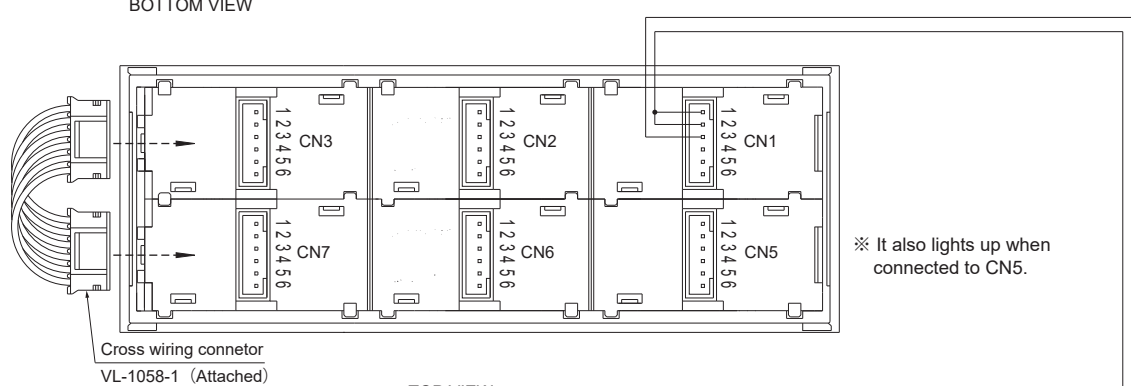
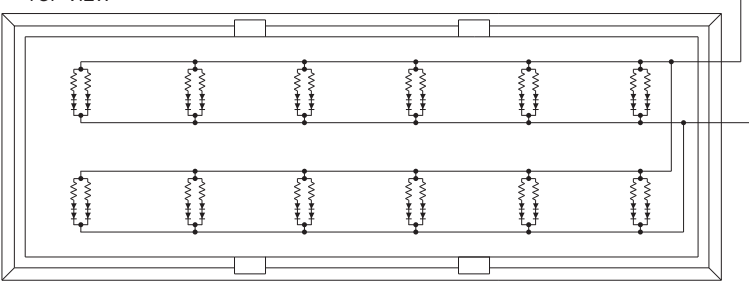
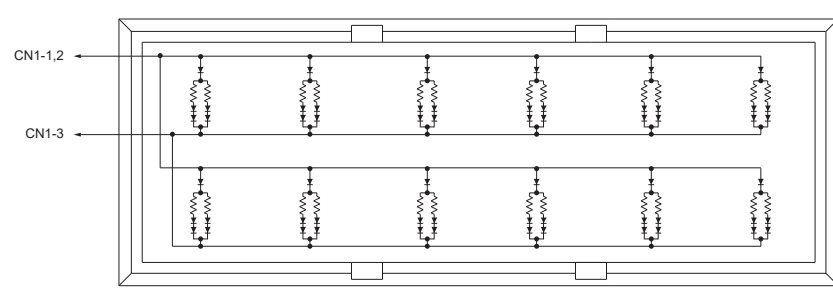
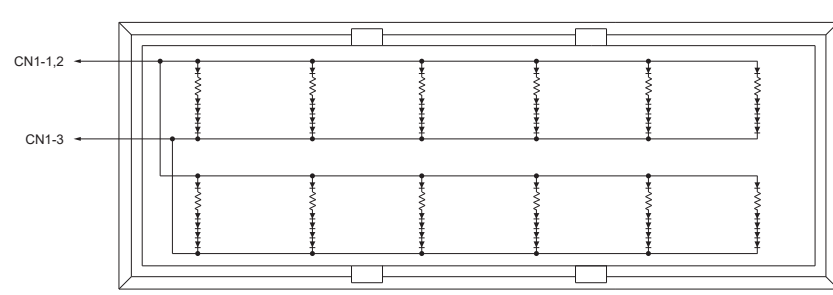
Voltage		LED (7・8・9)	LED (14・16・18)
DC5V	VL4	BOTTOM VIEW Cross wiring connetor VL-1058-1 (Attached) ※ Connect the attached cross wiring connector (VL-1058-1) between CN2 and CN6.	TOP VIEW
		DC12V CN1-1,2 CN1-3	DC24V CN1-1,2 CN1-3

VL

LED INDICATOR

INTERNAL CONNECTION ARRANGEMENTS

● Full-Face DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).

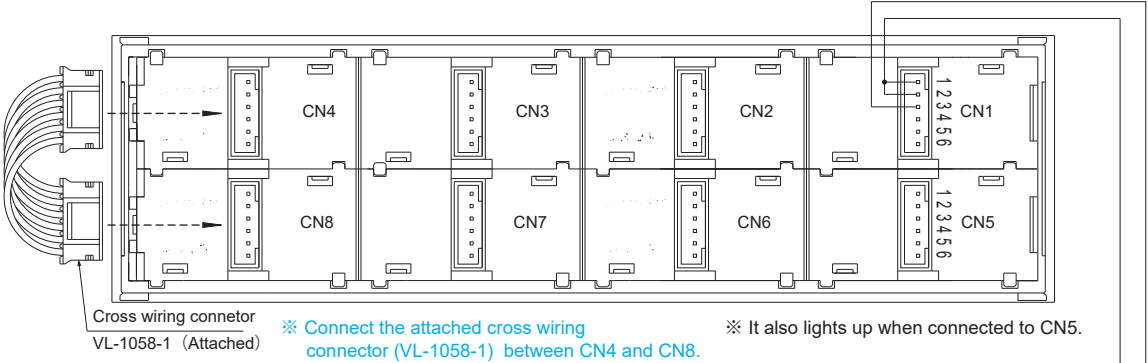
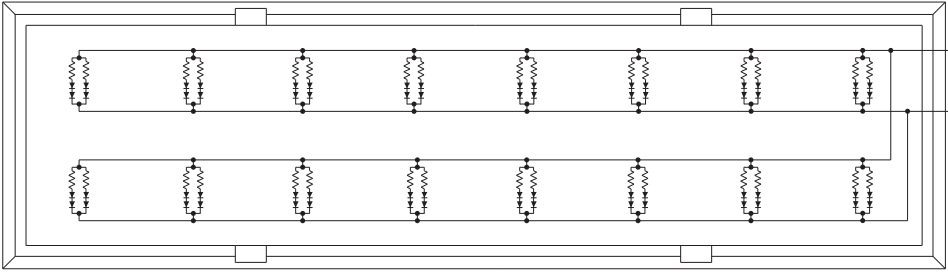
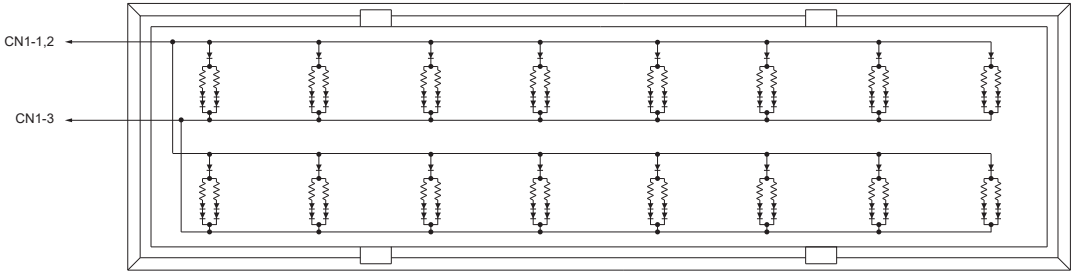
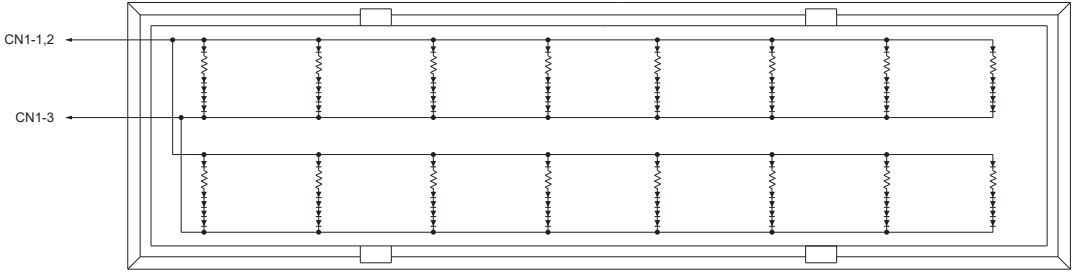
Voltage		LED (7・8・9)	LED (14・16・18)
VL5	DC5V	BOTTOM VIEW  ※ It also lights up when connected to CN5. ※ Connect the attached cross wiring connector (VL-1058-1) between CN3 and CN7. Cross wiring connector VL-1058-1 (Attached) TOP VIEW 	
	DC12V		
	DC24V		

VL

LED INDICATOR

INTERNAL CONNECTION ARRANGEMENTS

● Full-Face DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).

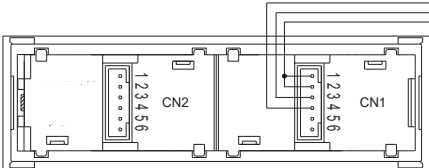
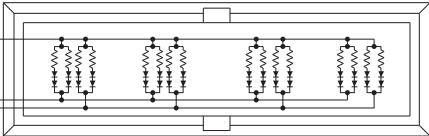
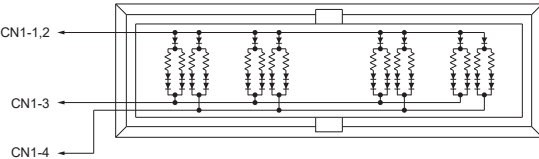
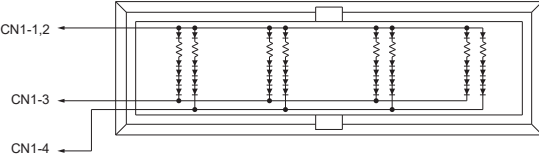
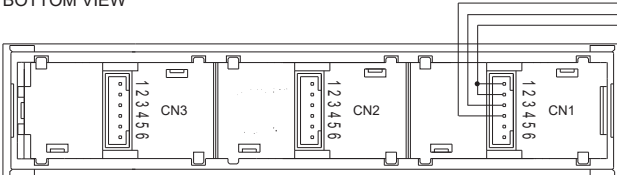
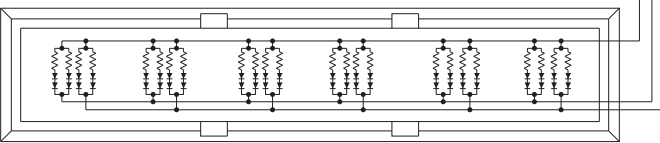
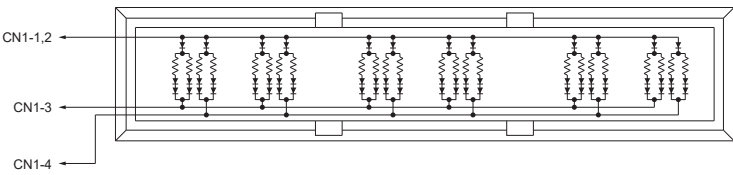
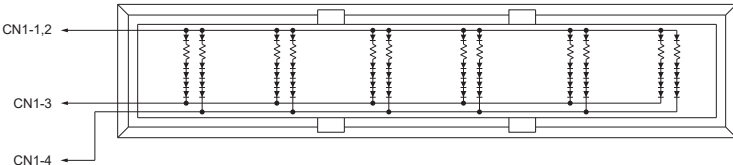
Voltage		LED (7・8・9)	LED (14・16・18)
VL6	DC5V	BOTTOM VIEW  Cross wiring connetor VL-1058-1 (Attached) ※ Connect the attached cross wiring connector (VL-1058-1) between CN4 and CN8. ※ It also lights up when connected to CN5. TOP VIEW 	
	DC12V	 CN1-1,2 CN1-3	
	DC24V	 CN1-1,2 CN1-3	

VL

LED INDICATOR

INTERNAL CONNECTION ARRANGEMENTS

● Dual-Color DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).

Voltage		LED (78 • 79 • 714 • 716 • 718 • 914 • 916 • 918 • 1416 • 1418 • 1616 • 1618)	
VL1	DC5V	BOTTOM VIEW  TOP VIEW 	
	DC12V		
	DC24V		
VL2	DC5V	BOTTOM VIEW  TOP VIEW 	
	DC12V		
	DC24V		

● Dual-Color DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).

● VL1~VL3 Dual-Color combination (DC5V)

● VL1~VL3 Dual-Color combination (DC12V・DC24V)

Terminals		LED Color											
CN1	1, 2—3	Red	Red	Red	Red	Red	Yellow	Yellow	Yellow	Super Blue	Super Blue	Super White	Super White
	1, 2—4	Green	Yellow	Super Blue	Super White	Super Green	Super Blue	Super White	Super Green	Super White	Super Green	Super White	Super Green
	1, 2—3 • 4	Simultaneous lighting											

● Dual-Color DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).

Voltage		LED (78・79・714・716・718・914・916・918・1416・1418・1616・1618)
DC5V	VL4	BOTTOM VIEW ※ It also lights up when connected to CN5. Cross wiring connector VL-1058-1 (Attached) ※ Connect the attached cross wiring connector (VL-1058-1) between CN2 and CN6. TOP VIEW
DC12V		CN1-1,2 CN1-3 CN1-4
DC24V		CN1-1,2 CN1-3 CN1-4

VL

LED INDICATOR

INTERNAL CONNECTION ARRANGEMENTS

● Dual-Color

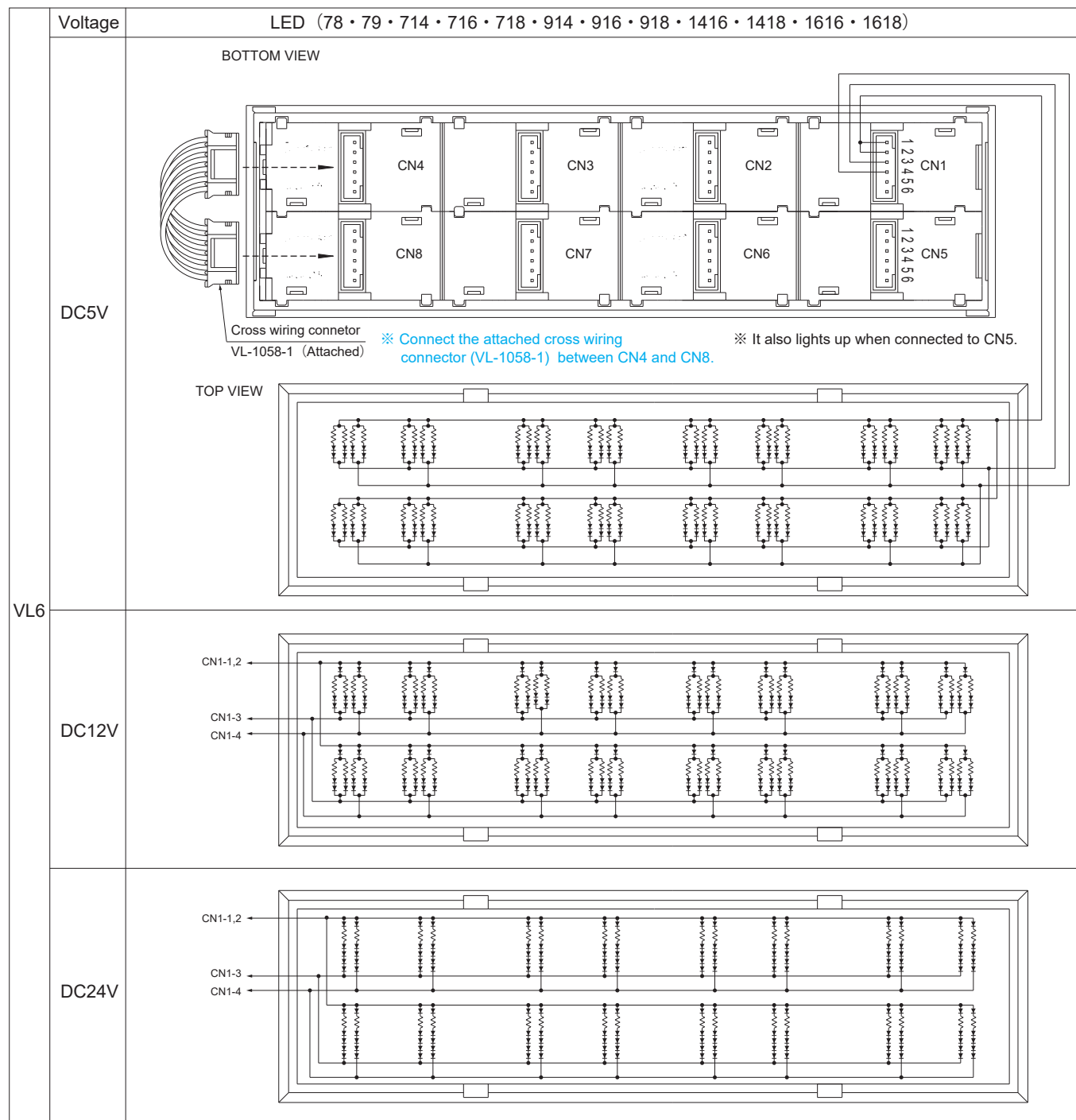
DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).

Voltage	LED (78 • 79 • 714 • 716 • 718 • 914 • 916 • 918 • 1416 • 1418 • 1616 • 1618)
VL5	DC5V BOTTOM VIEW ※ Connect the attached cross wiring connector (VL-1058-1) between CN3 and CN7. Cross wiring connector VL-1058-1 (Attached) TOP VIEW
DC12V	
DC24V	

INTERNAL CONNECTION ARRANGEMENTS

- Dual-Color

DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).



● VL4~VL6 Dual-Color combination (DC5V)

Terminals		LED Color	
CN1	1, 2—3	Red	Red
	1, 2—4	Green	Yellow
	1, 2—3 • 4	Simultaneous lighting	

● VL4~VL6 Dual-Color combination (DC12V・DC24V)

Terminals		LED Color											
CN1	1, 2—3	Red	Red	Red	Red	Red	Yellow	Yellow	Yellow	Super Blue	Super Blue	Super White	Super White
	1, 2—4	Green	Yellow	Super Blue	Super White	Super Green	Super Blue	Super White	Super Green	Super White	Super Green	Super White	Super Green
	1, 2—3 · 4	Simultaneous lighting											

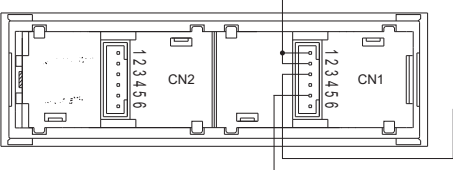
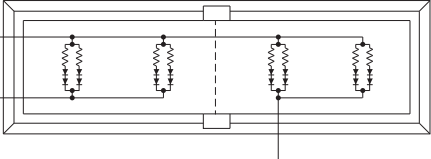
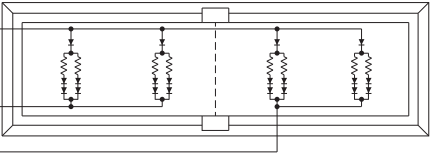
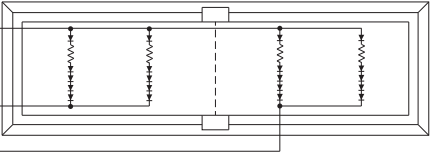
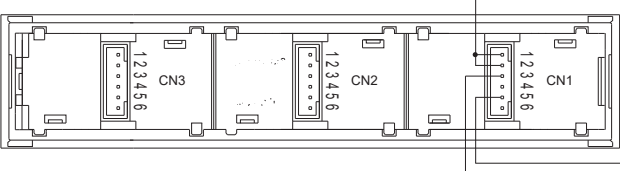
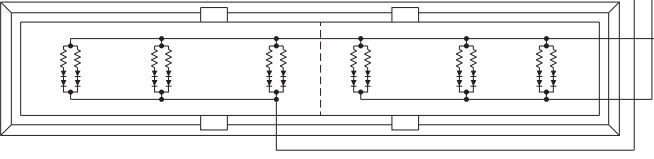
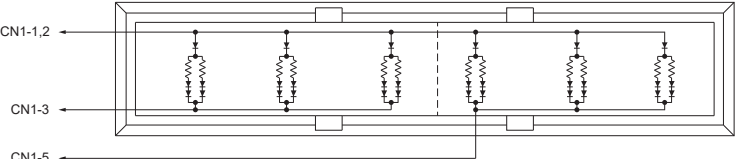
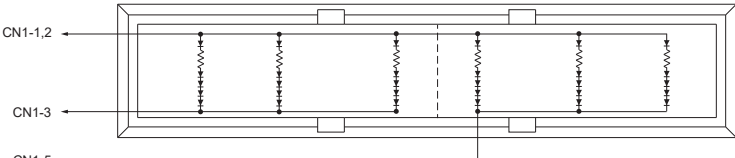
VL

LED INDICATOR

INTERNAL CONNECTION ARRANGEMENTS

● 2-Split-Face

DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).

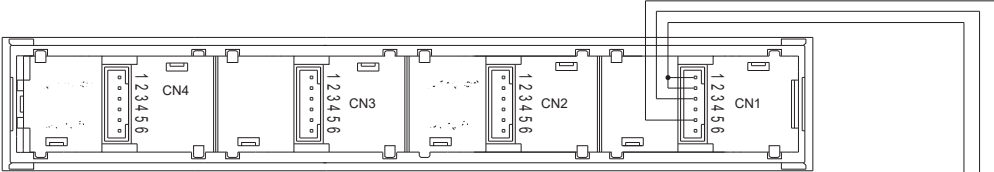
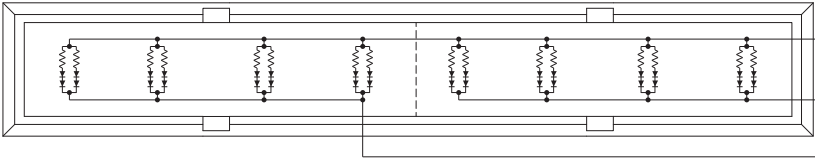
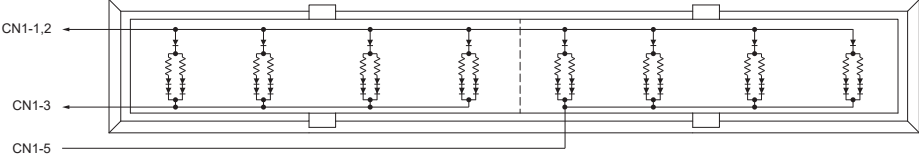
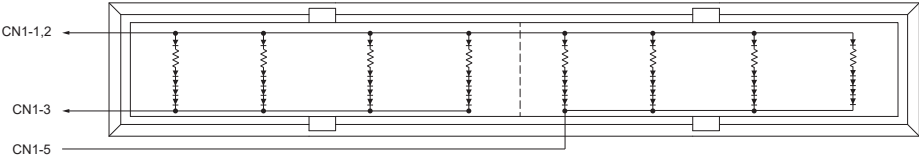
	Voltage	2-Split-Face (Vertical)	
		LED (7 • 8 • 9)	LED (14 • 16 • 18)
VL1	DC5V	BOTTOM VIEW 	TOP VIEW 
	DC12V		
	DC24V		
VL2	DC5V	BOTTOM VIEW 	TOP VIEW 
	DC12V		
	DC24V		

VL

LED INDICATOR

INTERNAL CONNECTION ARRANGEMENTS

● 2-Split-Face DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).

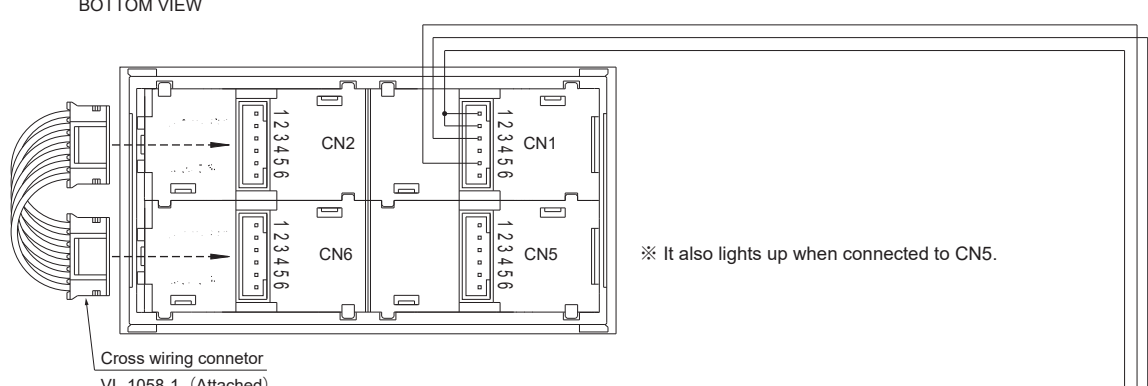
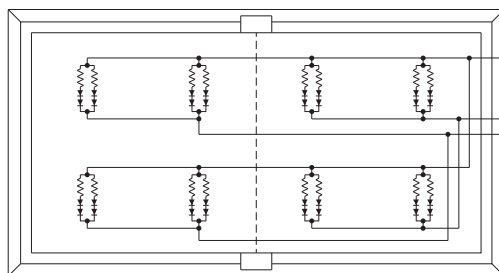
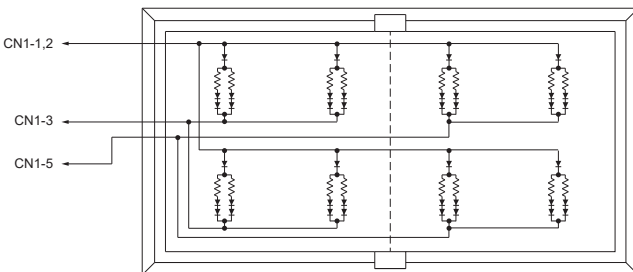
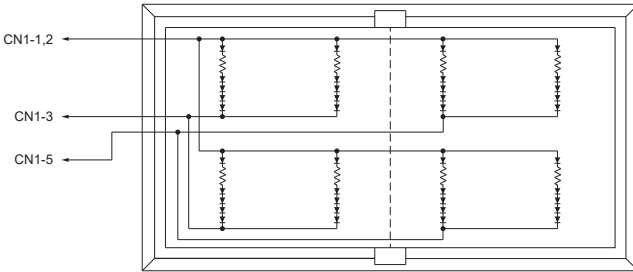
	Voltage	2-Split-Face (Vertical)	
		LED (7 • 8 • 9)	LED (14 • 16 • 18)
VL3	DC5V	BOTTOM VIEW  TOP VIEW 	
	DC12V		
	DC24V		

VL

LED INDICATOR

INTERNAL CONNECTION ARRANGEMENTS

● 2-Split-Face DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).

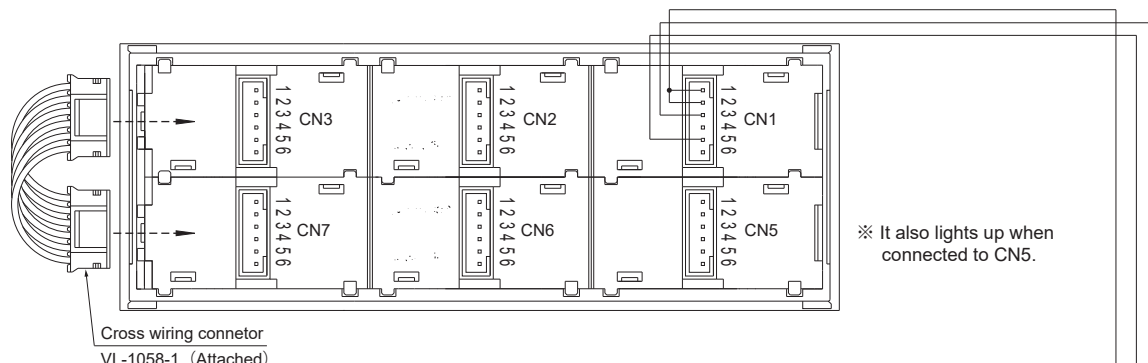
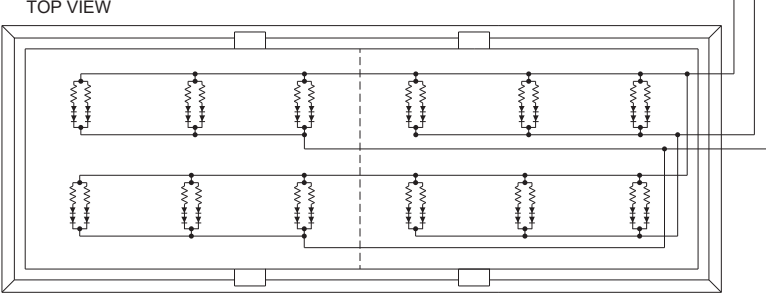
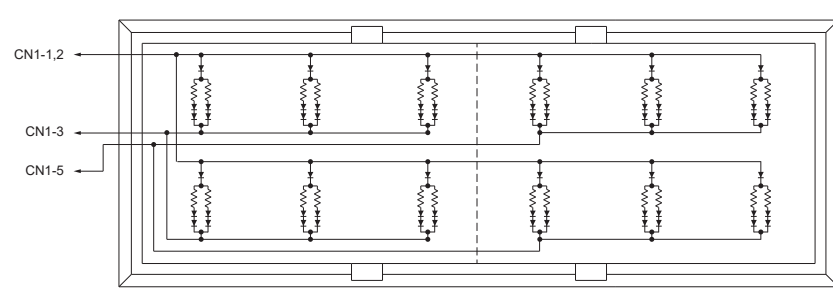
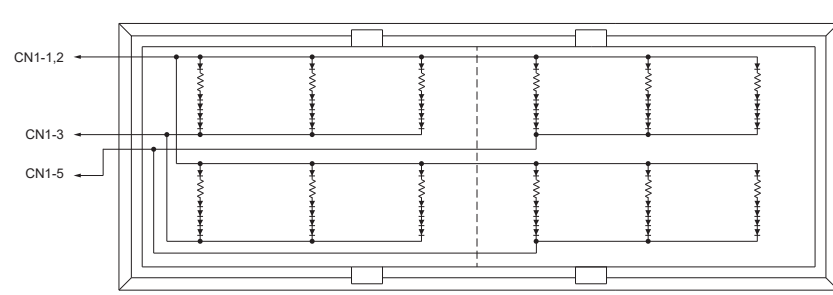
	Voltage	2-Split-Face (Vertical)	
		LED (7 · 8 · 9)	LED (14 · 16 · 18)
VL4	DC5V	BOTTOM VIEW  TOP VIEW 	
	DC12V		
	DC24V		

VL

LED INDICATOR

INTERNAL CONNECTION ARRANGEMENTS

● 2-Split-Face DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).

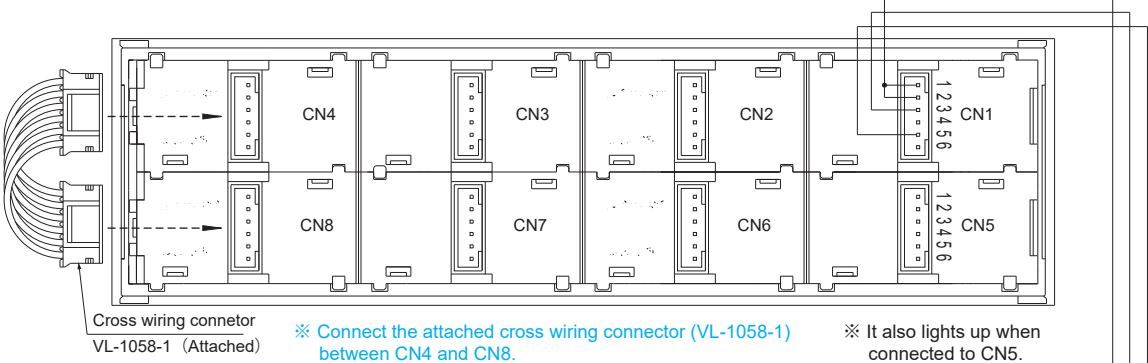
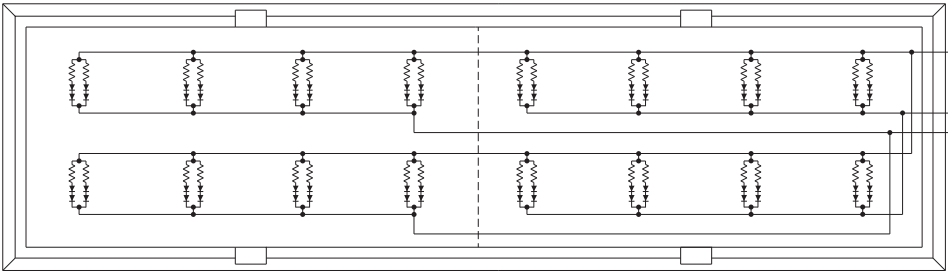
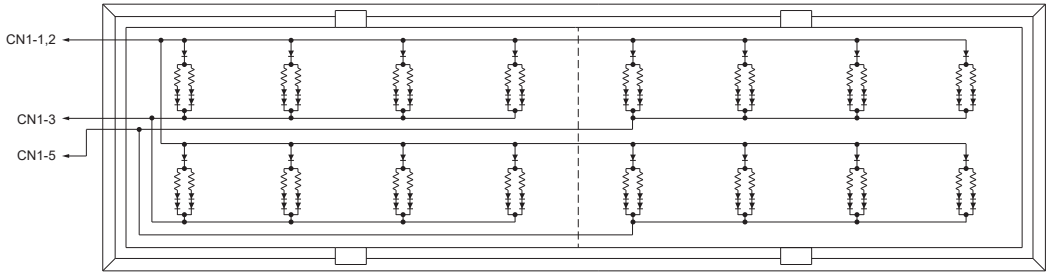
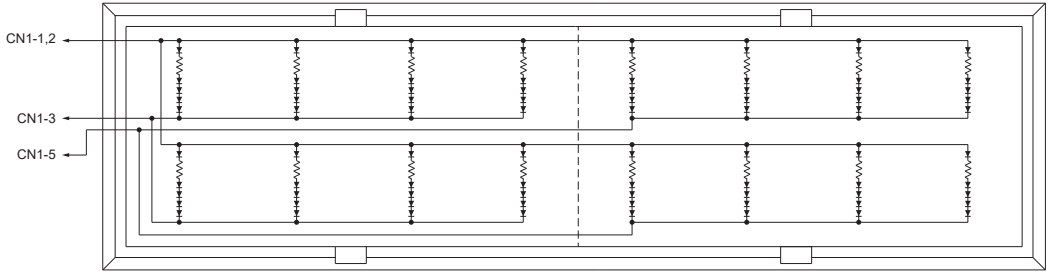
Voltage	2-Split-Face (Vertical)	
	LED (7 • 8 • 9)	LED (14 • 16 • 18)
VL5	DC5V	BOTTOM VIEW  TOP VIEW 
		DC12V 
	DC24V	

VL

LED INDICATOR

INTERNAL CONNECTION ARRANGEMENTS

● 2-Split-Face DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).

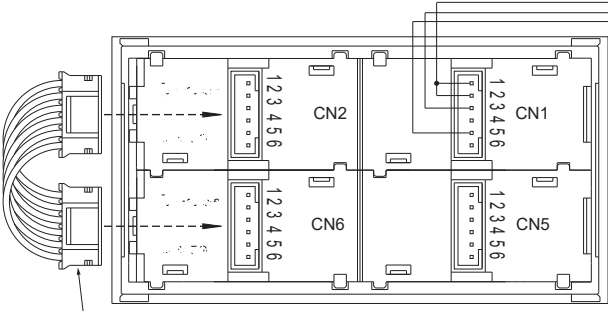
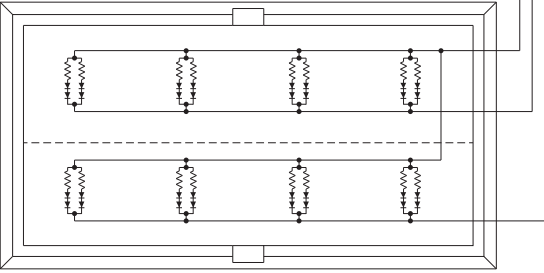
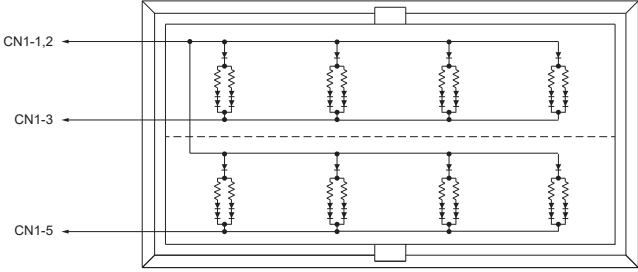
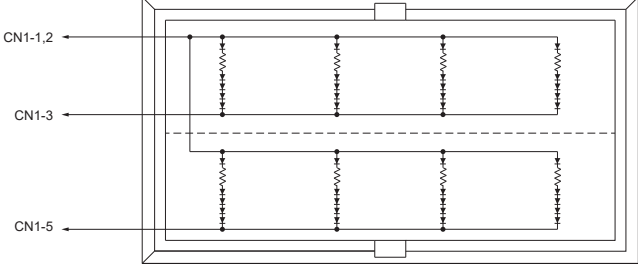
	Voltage	2-Split-Face (Vertical)	
		LED (7・8・9)	LED (14・16・18)
VL6	DC5V	BOTTOM VIEW  TOP VIEW 	
	DC12V		
	DC24V		

VL

LED INDICATOR

INTERNAL CONNECTION ARRANGEMENTS

● 2-Split-Face DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).

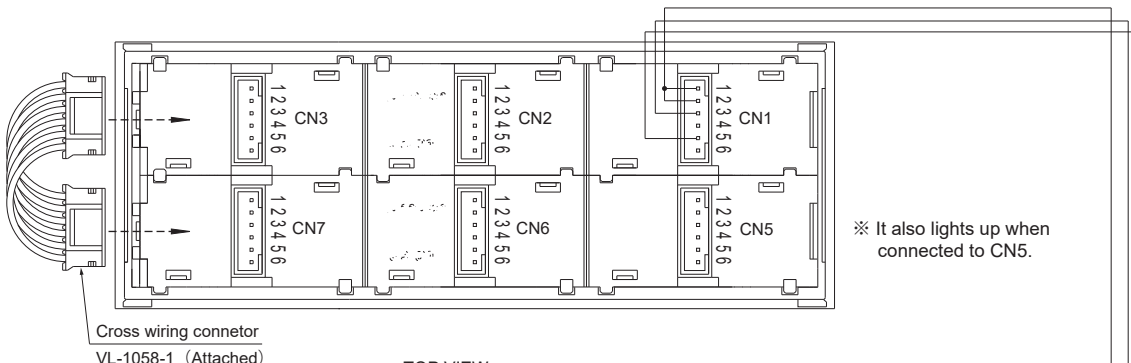
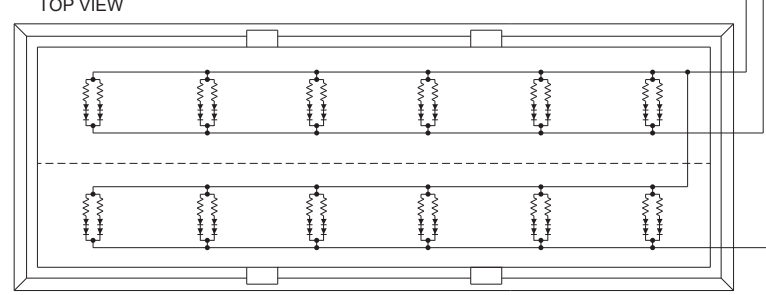
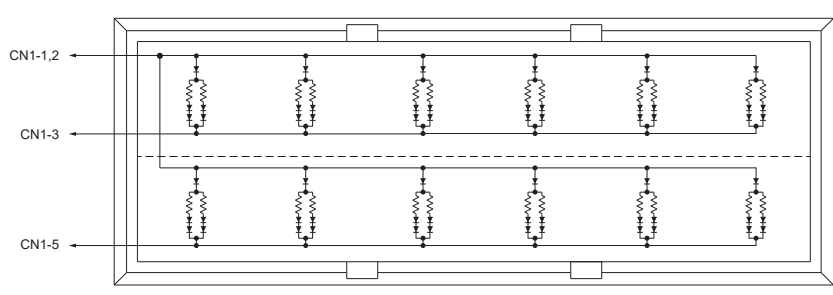
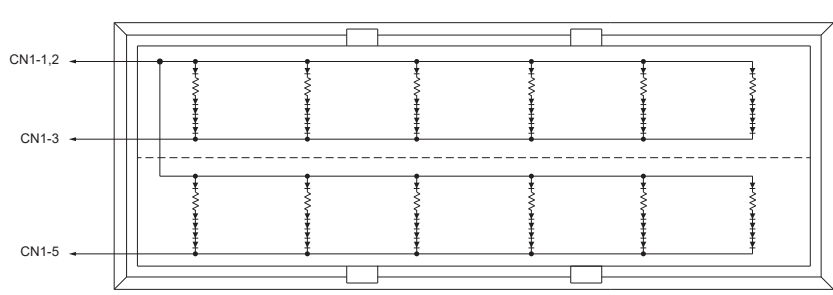
	Voltage	2-Split-Face (Horizontal)	
		LED (7・8・9)	LED (14・16・18)
VL4	DC5V	BOTTOM VIEW  Cross wiring connetor VL-1058-1 (Attached) TOP VIEW  ※ It also lights up when connected to CN5. ※ Connect the attached cross wiring connector (VL-1058-1) between CN2 and CN6.	
	DC12V		
	DC24V		

VL

LED INDICATOR

INTERNAL CONNECTION ARRANGEMENTS

● 2-Split-Face DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).

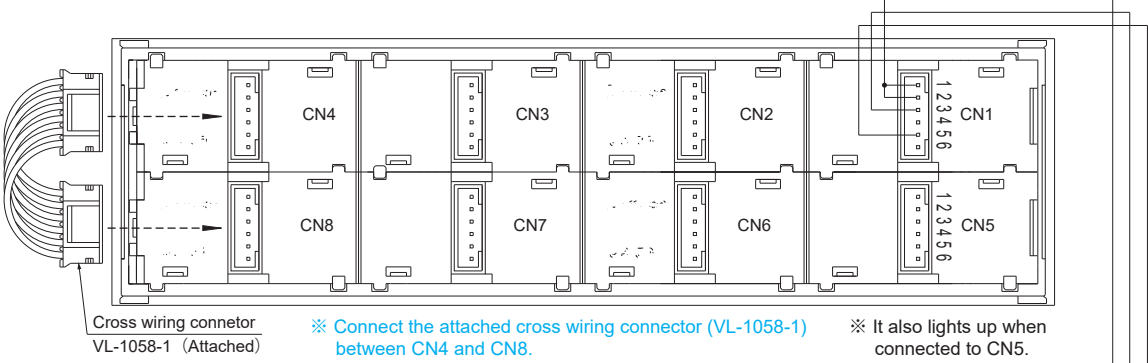
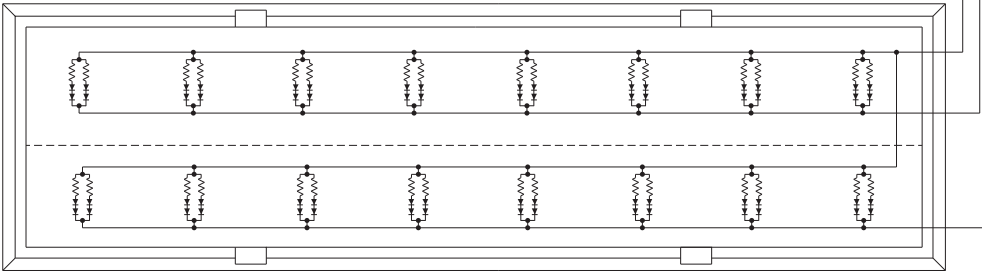
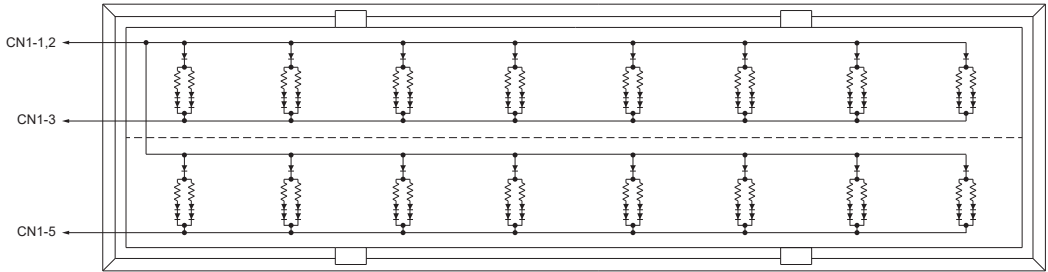
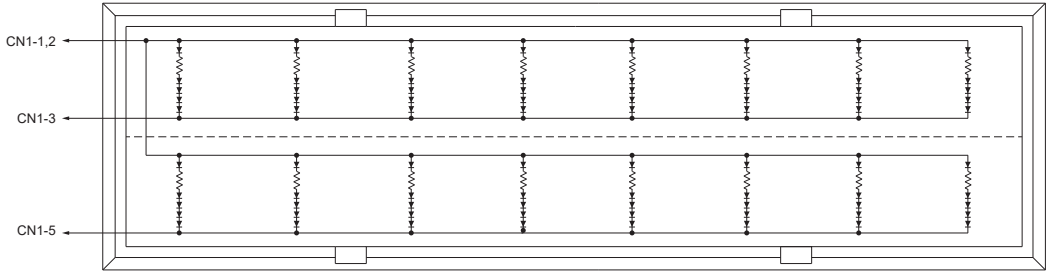
Voltage		2-Split-Face (Horizontal)	
		LED (7 • 8 • 9)	LED (14 • 16 • 18)
VL5	DC5V	BOTTOM VIEW  ※ Connect the attached cross wiring connector (VL-1058-1) between CN3 and CN7. TOP VIEW 	
	DC12V		
	DC24V		

VL

LED INDICATOR

INTERNAL CONNECTION ARRANGEMENTS

● 2-Split-Face DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).

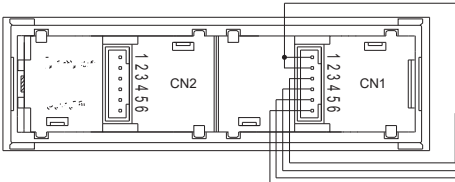
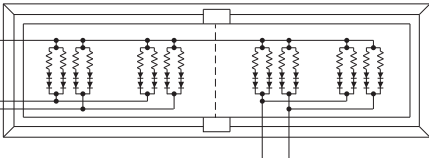
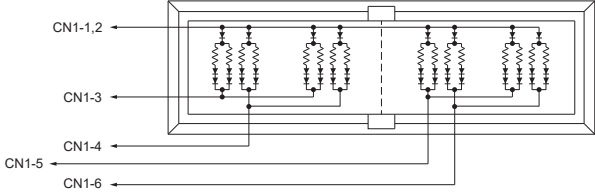
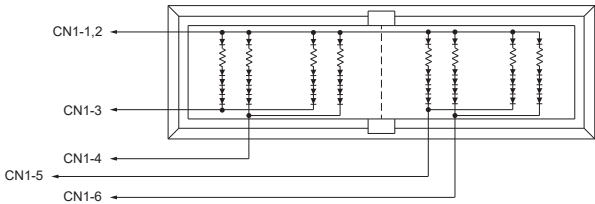
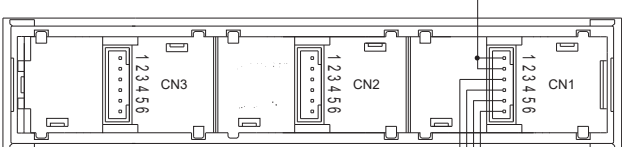
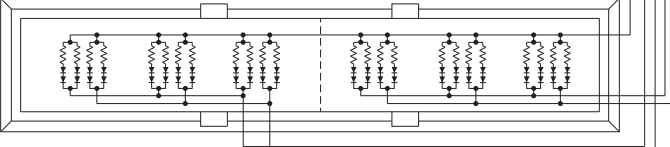
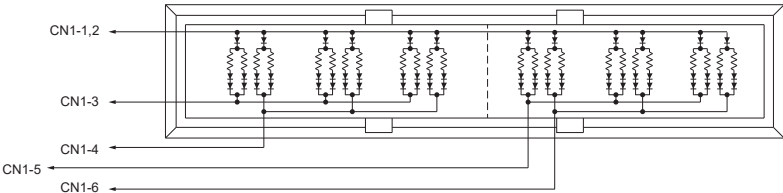
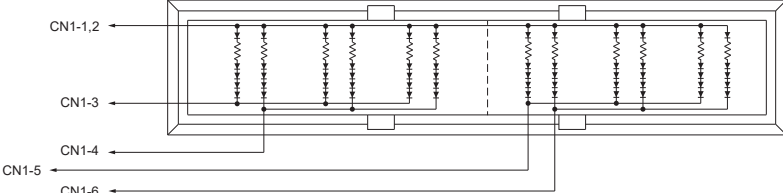
Voltage	2-Split-Face (Horizontal)	
	LED (7 · 8 · 9)	LED (14 · 16 · 18)
DC5V	BOTTOM VIEW  Cross wiring connetor VL-1058-1 (Attached) ※ Connect the attached cross wiring connector (VL-1058-1) between CN4 and CN8. ※ It also lights up when connected to CN5.	
	TOP VIEW 	
VL6	DC12V 	
	DC24V 	

VL

LED INDICATOR

INTERNAL CONNECTION ARRANGEMENTS

● 2-Split-Dual-Color DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).

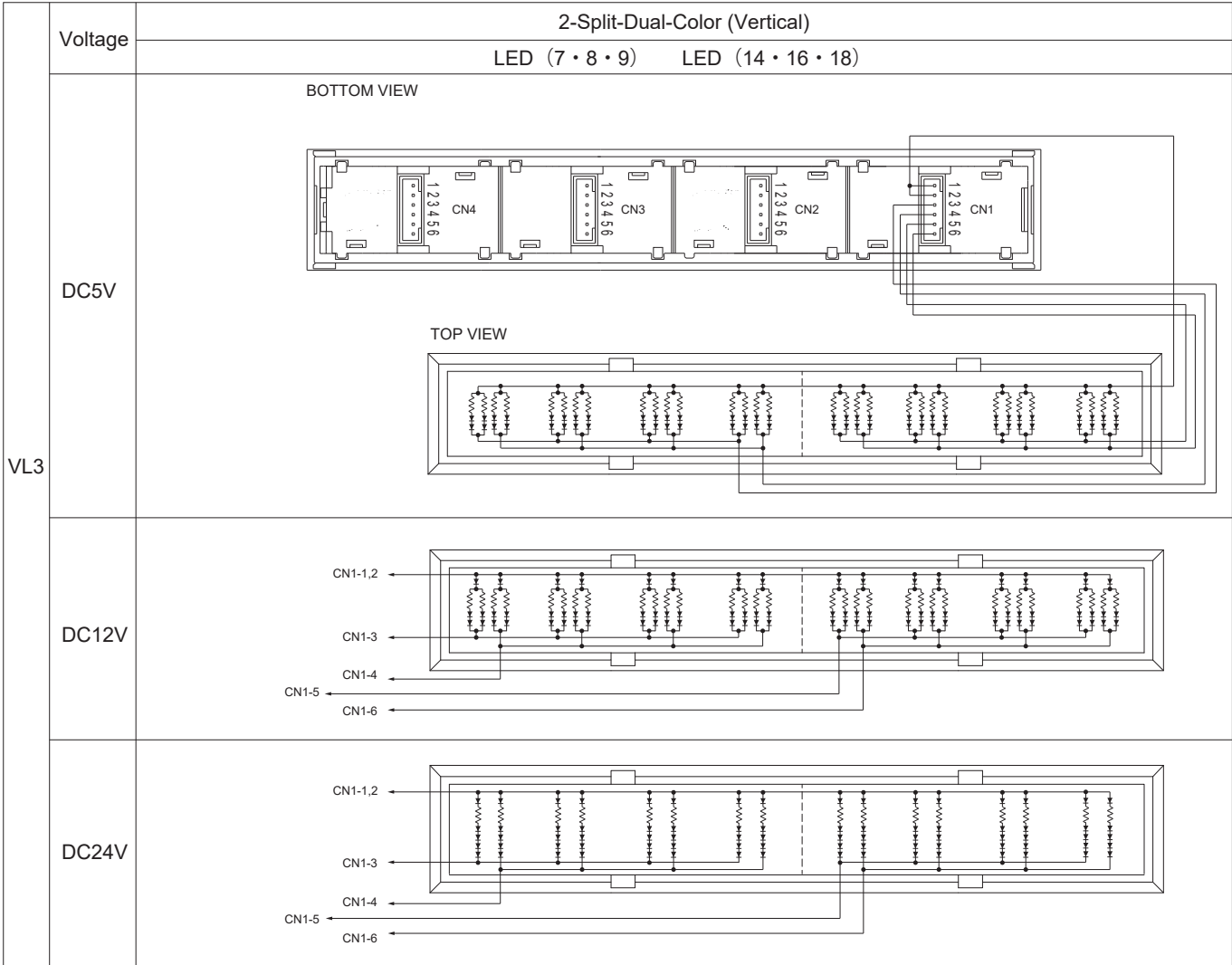
	Voltage	2-Split-Dual-Color (Vertical)	
		LED (7 • 8 • 9)	LED (14 • 16 • 18)
VL1	DC5V	BOTTOM VIEW  TOP VIEW 	
	DC12V		
	DC24V		
VL2	DC5V	BOTTOM VIEW  TOP VIEW 	
	DC12V		
	DC24V		

VL

LED INDICATOR

INTERNAL CONNECTION ARRANGEMENTS

● 2-Split-Dual-Color DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).



● VL1~VL3 Dual-Color combination (Common for each voltage)

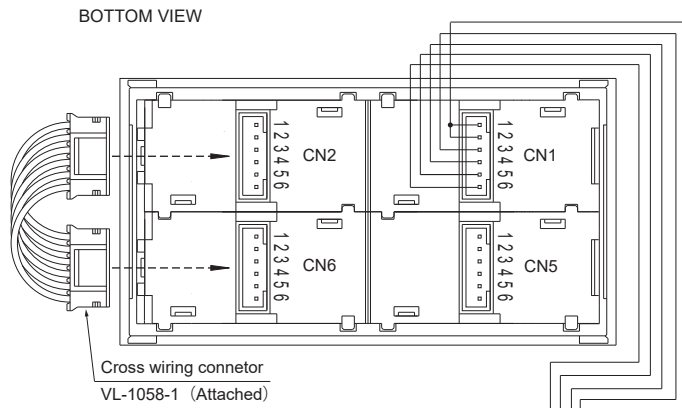
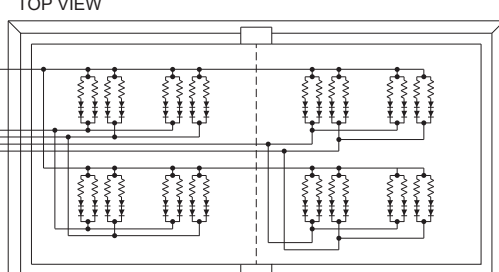
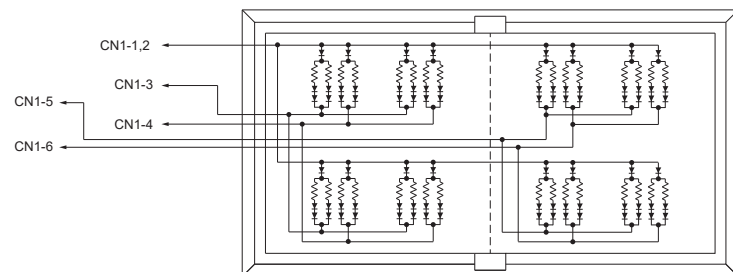
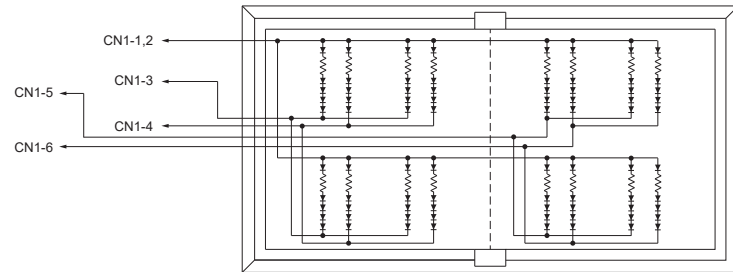
Terminals		LED Color				
CN1	1, 2—3	Ordering code LED color	1			
	1, 2—4	Ordering code LED color	2			
	1, 2—5	Ordering code LED color	3			
	1, 2—6	Ordering code LED color	4			
	1, 2—3 · 4	Ordering code LED color	1	2	Simultaneous lighting color	
	1, 2—5 · 6	Ordering code LED color	1	3	Simultaneous lighting color	
	1, 2—3 · 4 · 5 · 6	Ordering code LED color	1	2	3	4

VL

LED INDICATOR

INTERNAL CONNECTION ARRANGEMENTS

● 2-Split-Dual-Color DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).

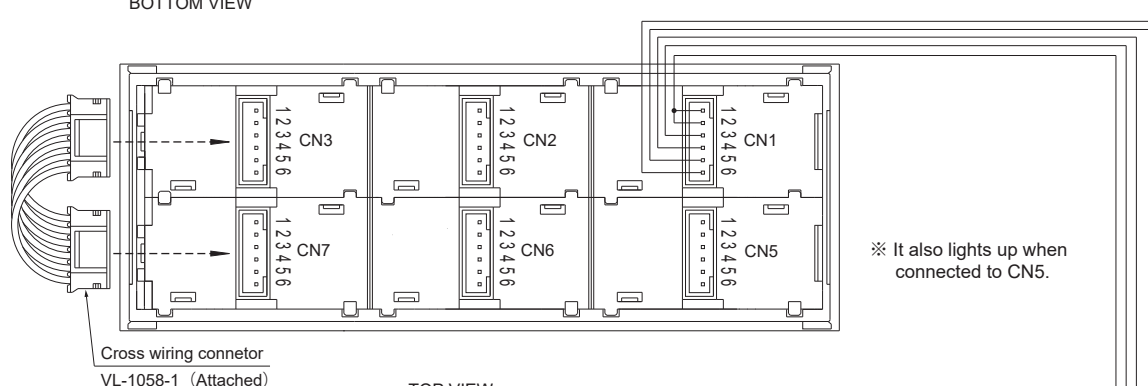
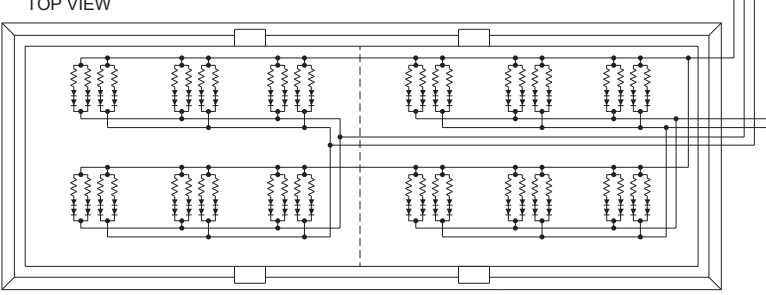
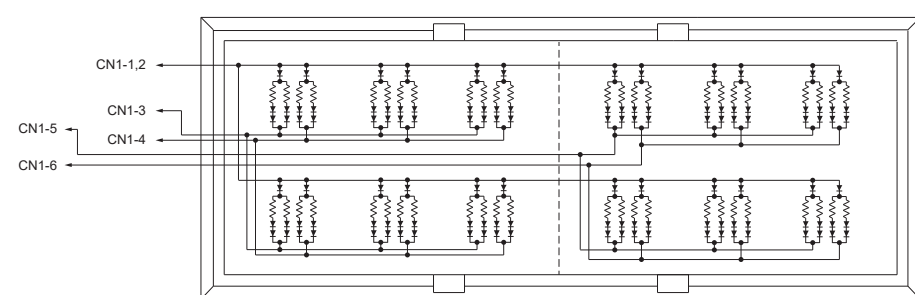
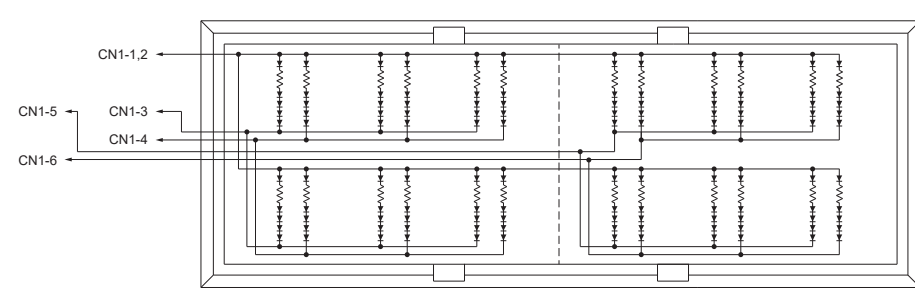
Voltage	2-Split-Dual-Color (Vertical)	
	LED (7 • 8 • 9)	LED (14 • 16 • 18)
VL4	DC5V	BOTTOM VIEW  ※ It also lights up when connected to CN5. ※ Connect the attached cross wiring connector (VL-1058-1) between CN2 and CN6. Cross wiring connector VL-1058-1 (Attached) TOP VIEW 
		
		

VL

LED INDICATOR

INTERNAL CONNECTION ARRANGEMENTS

● 2-Split-Dual-Color DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).

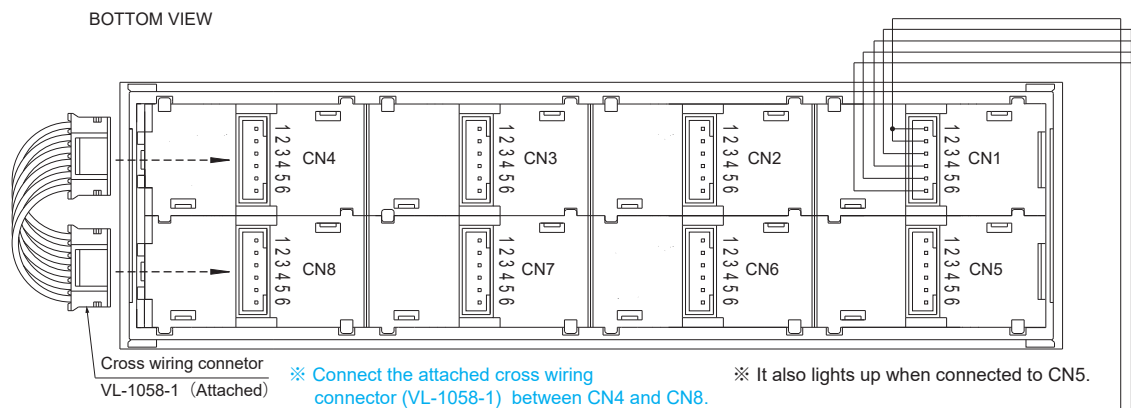
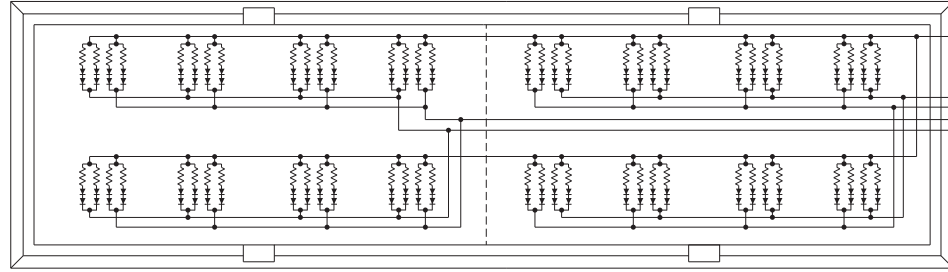
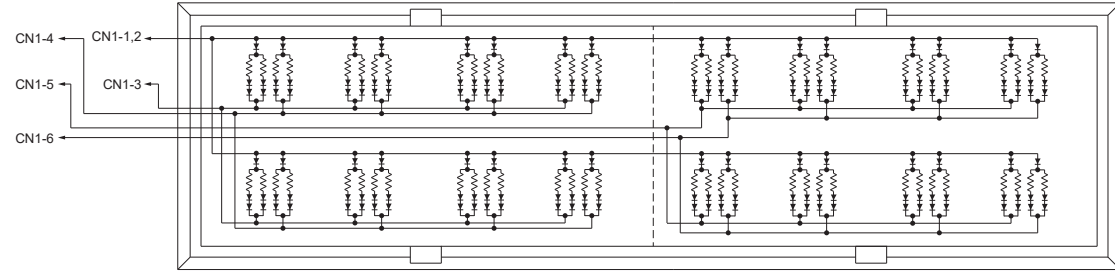
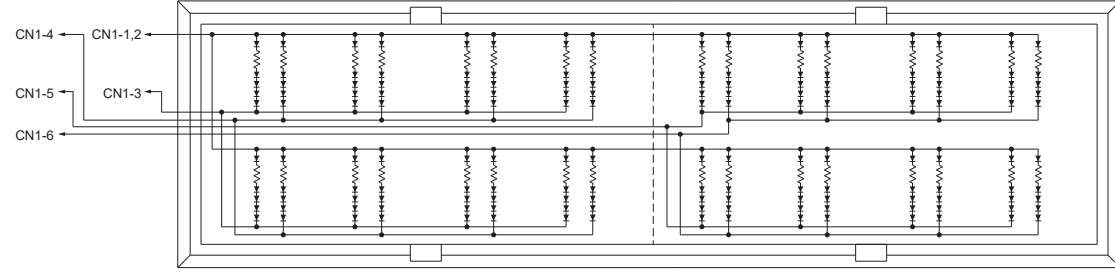
Voltage	2-Split-Dual-Color (Vertical)	
	LED (7・8・9)	LED (14・16・18)
DC5V	BOTTOM VIEW  ※ It also lights up when connected to CN5. ※ Connect the attached cross wiring connector (VL-1058-1) between CN3 and CN7. Cross wiring connector VL-1058-1 (Attached)	
	TOP VIEW 	
VL5	DC12V 	
	DC24V 	

VL

LED INDICATOR

INTERNAL CONNECTION ARRANGEMENTS

● 2-Split-Dual-Color DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).

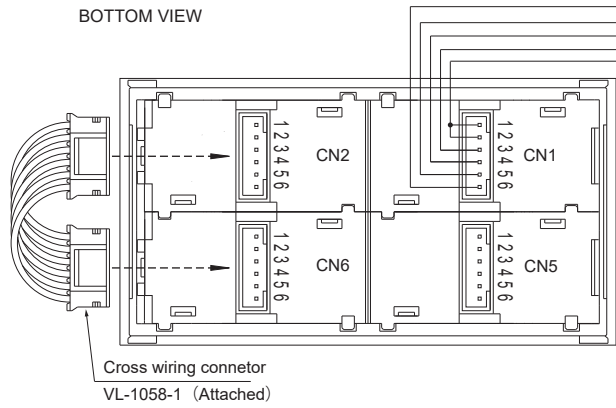
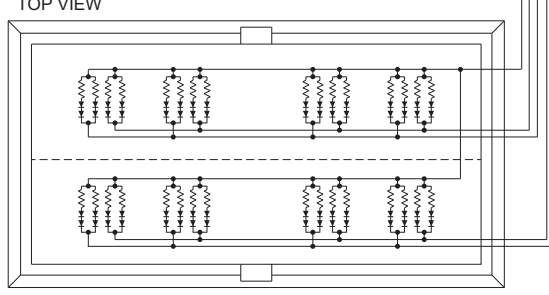
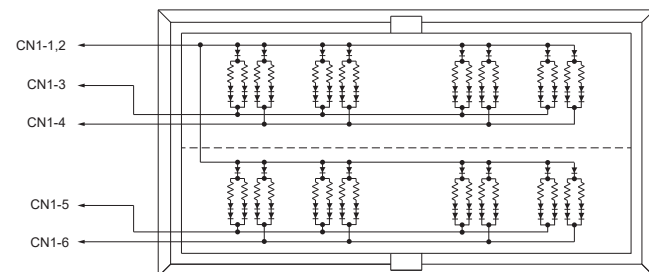
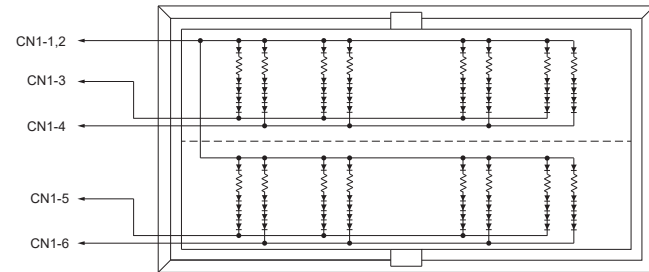
Voltage		2-Split-Dual-Color (Vertical)	
		LED (7 • 8 • 9)	LED (14 • 16 • 18)
VL6	DC5V	BOTTOM VIEW  Cross wiring connector VL-1058-1 (Attached) ※ Connect the attached cross wiring connector (VL-1058-1) between CN4 and CN8. ※ It also lights up when connected to CN5. TOP VIEW 	
	DC12V		
	DC24V		

VL

LED INDICATOR

INTERNAL CONNECTION ARRANGEMENTS

● 2-Split-Dual-Color DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).

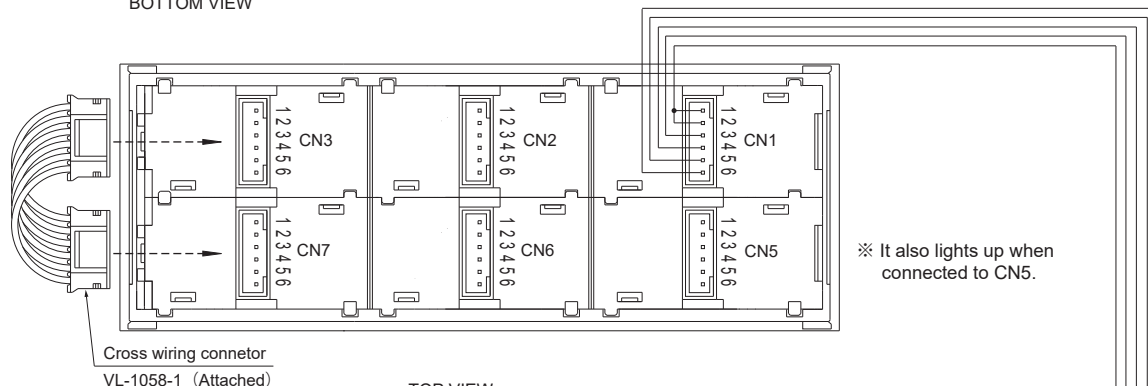
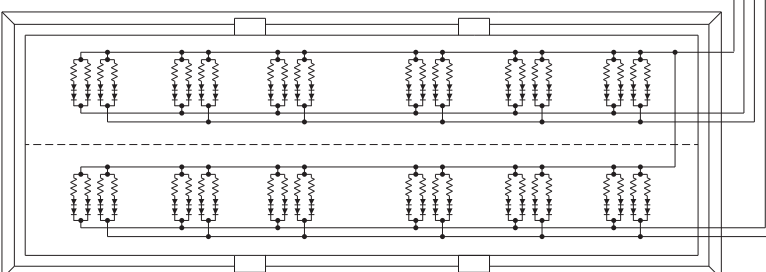
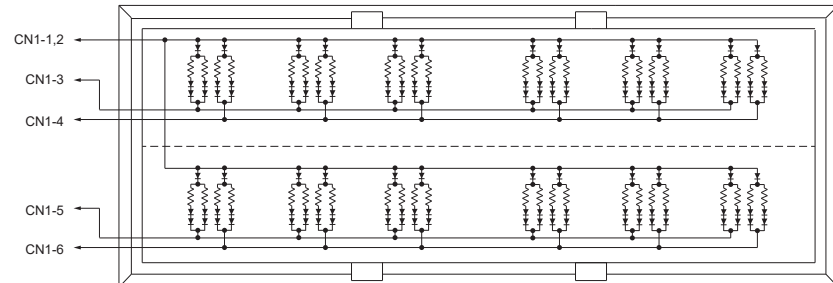
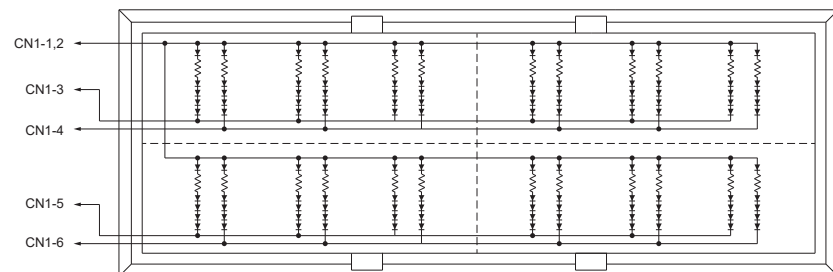
Voltage	2-Split-Dual-Color (Horizontal)	
	LED (7 • 8 • 9)	LED (14 • 16 • 18)
VL4	DC5V	BOTTOM VIEW  ※ It also lights up when connected to CN5. ※ Connect the attached cross wiring connector (VL-1058-1) between CN2 and CN6. Cross wiring connetor VL-1058-1 (Attached) TOP VIEW 
		
		

VL

LED INDICATOR

INTERNAL CONNECTION ARRANGEMENTS

● 2-Split-Dual-Color DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).

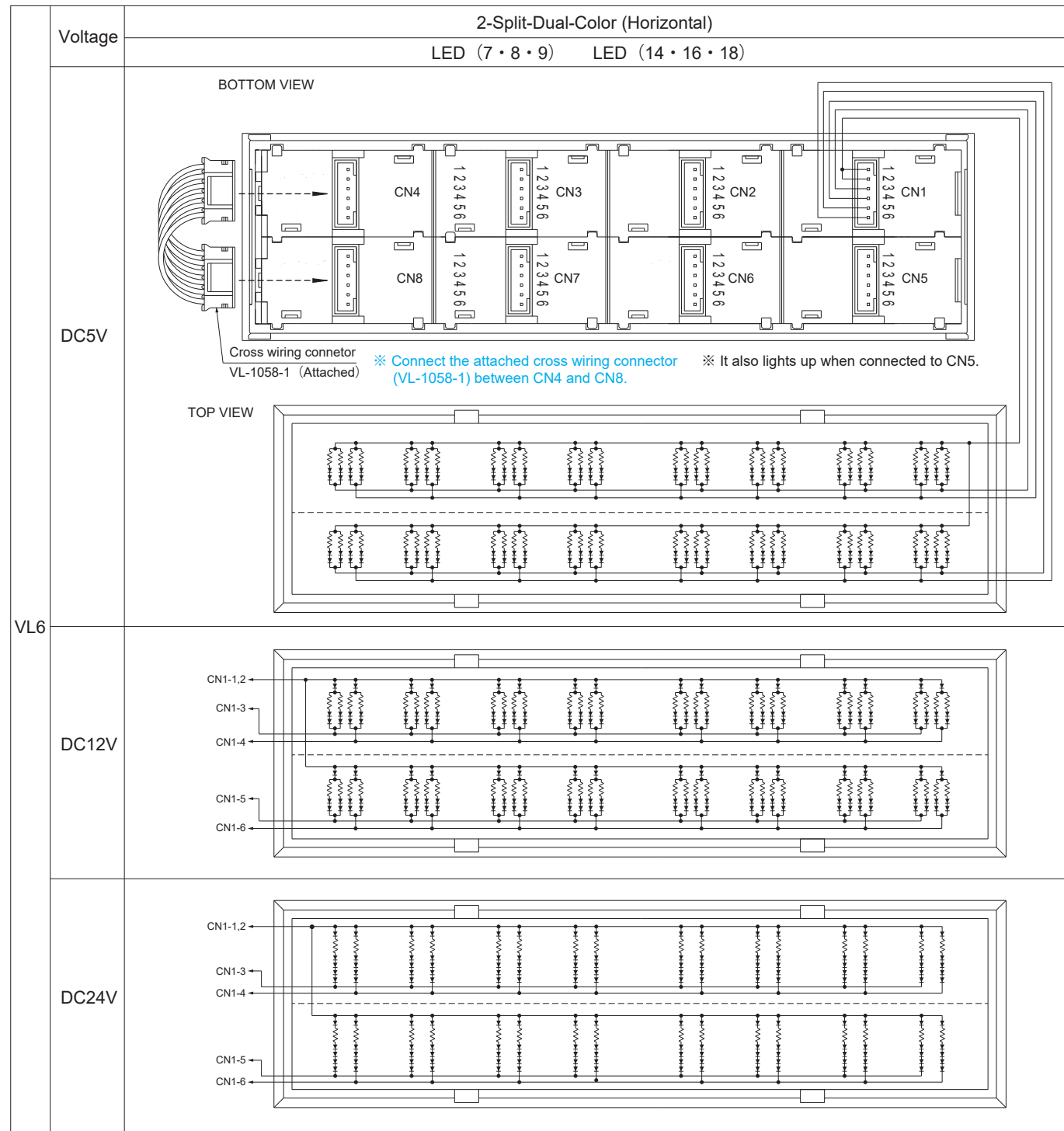
Voltage	2-Split-Dual-Color (Horizontal)	
	LED (7 · 8 · 9)	LED (14 · 16 · 18)
DC5V	BOTTOM VIEW  ※ Connect the attached cross wiring connector (VL-1058-1) between CN3 and CN7. Cross wiring connector VL-1058-1 (Attached) TOP VIEW 	
VL5		
		

VL

LED INDICATOR

INTERNAL CONNECTION ARRANGEMENTS

● 2-Split-Dual-Color DC5V cannot be specified the color of LED Super-Blue (14), Super-White (16), Super-Green (18).



● VL4~VL6 Dual-Color combination (Common for each voltage)

Terminals		LED Color				
CN1, CN5	1, 2—3	Ordering code LED color	1			
	1, 2—4	Ordering code LED color	2			
	1, 2—5	Ordering code LED color	3			
	1, 2—6	Ordering code LED color	4			
	1, 2—3 · 4	Ordering code LED color	1	2	Simultaneous lighting color	
	1, 2—5 · 6	Ordering code LED color	1	3	Simultaneous lighting color	
	1, 2—3 · 4 · 5 · 6	Ordering code LED color	1	2	3	4

LED SPECIFICATIONS [Full-Face • Dual-Color]

● Full-Face • Dual-Color

t = 25°C

	Voltage	Rated Current (mA)					
		Red	Yellow	Green	Super-Blue	Super-White	Super-Green
VL1	DC5V $\pm 5\%$	22	45	52			
	DC12V $\pm 5\%$	23	46	52	35	17	17
	DC24V $\pm 5\%$	12	23	27	18	9	9

	Voltage	Rated Current (mA)					
		Red	Yellow	Green	Super-Blue	Super-White	Super-Green
VL2	DC5V $\pm 5\%$	33	68	78			
	DC12V $\pm 5\%$	35	69	78	53	26	26
	DC24V $\pm 5\%$	18	35	41	27	14	14

	Voltage	Rated Current (mA)					
		Red	Yellow	Green	Super-Blue	Super-White	Super-Green
VL3	DC5V $\pm 5\%$	44	90	104			
	DC12V $\pm 5\%$	46	92	104	70	34	34
	DC24V $\pm 5\%$	24	46	54	36	18	18

	Voltage	Rated Current (mA)					
		Red	Yellow	Green	Super-Blue	Super-White	Super-Green
VL4	DC5V $\pm 5\%$	44	90	104			
	DC12V $\pm 5\%$	46	92	104	70	34	34
	DC24V $\pm 5\%$	24	46	54	36	18	18

	Voltage	Rated Current (mA)					
		Red	Yellow	Green	Super-Blue	Super-White	Super-Green
VL5	DC5V $\pm 5\%$	66	135	156			
	DC12V $\pm 5\%$	69	138	156	105	51	51
	DC24V $\pm 5\%$	36	69	81	54	27	27

	Voltage	Rated Current (mA)					
		Red	Yellow	Green	Super-Blue	Super-White	Super-Green
VL6	DC5V $\pm 5\%$	88	180	208			
	DC12V $\pm 5\%$	92	184	208	140	68	68
	DC24V $\pm 5\%$	48	92	108	72	36	36

LED SPECIFICATIONS [2-Split-Face • 2-Split-Dual-Color]

● 2-Split-Face • 2-Split-Dual-Color

t = 25°C

VL1	Voltage	Rated Current (mA) (per 1-Screen)					
		Red	Yellow	Green	Super-Blue	Super-White	Super-Green
VL1	DC5V ±5%	12	24	26			
	DC12V ±5%	12	24	26	18	10	10
	DC24V ±5%	6	12	14	10	6	6

VL2	Voltage	Rated Current (mA) (per 1-Screen)					
		Red	Yellow	Green	Super-Blue	Super-White	Super-Green
VL2	DC5V ±5%	18	36	39			
	DC12V ±5%	18	36	39	27	15	15
	DC24V ±5%	9	18	21	15	9	9

VL3	Voltage	Rated Current (mA) (per 1-Screen)					
		Red	Yellow	Green	Super-Blue	Super-White	Super-Green
VL3	DC5V ±5%	44	90	104			
	DC12V ±5%	46	92	104	70	34	34
	DC24V ±5%	24	46	54	36	18	18

VL4	Voltage	Rated Current (mA) (per 1-Screen)					
		Red	Yellow	Green	Super-Blue	Super-White	Super-Green
VL4	DC5V ±5%	24	48	52			
	DC12V ±5%	24	48	52	36	20	20
	DC24V ±5%	12	24	28	20	12	12

VL5	Voltage	Rated Current (mA) (per 1-Screen)					
		Red	Yellow	Green	Super-Blue	Super-White	Super-Green
VL5	DC5V ±5%	36	72	78			
	DC12V ±5%	36	72	78	54	30	30
	DC24V ±5%	18	36	42	30	18	18

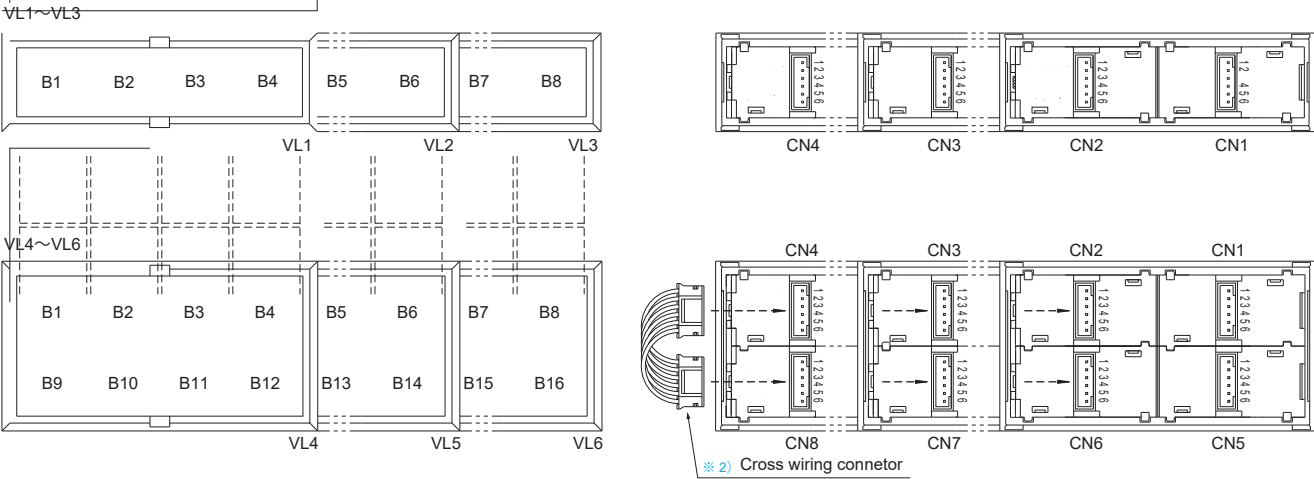
VL6	Voltage	Rated Current (mA) (per 1-Screen)					
		Red	Yellow	Green	Super-Blue	Super-White	Super-Green
VL6	DC5V ±5%	48	96	104			
	DC12V ±5%	48	96	104	72	40	40
	DC24V ±5%	24	48	56	40	24	24

VL

LED INDICATOR

TERMINALS

● TERMINALS LAYOUT (BOTTOM VIEW)



● Full-Face • 2-Split-Face (Monocolor • Dual-Color)

※1) Pin No.	VL1~VL6 Full-Face		VL1~VL6 2-Split-Face (Vertical)		VL4~VL6 2-Split-Face (Horizontal)	
	Monocolor	Dual-Color (LED 1,2)	Monocolor	Dual-Color (LED 1,2,3,4)	Monocolor	Dual-Color (LED 1,2,3,4)
1	Anode (+)	Anode (+)	Anode (+)	Anode (+)	Anode (+)	Anode (+)
2	Cathode (-)	1 Cathode (-)	Cathode (-) L	1 Cathode (-) L	Cathode (-) Up	1 Cathode (-) Up
3	—	2 Cathode (-)	—	2 Cathode (-) L	—	2 Cathode (-) Up
4	—	—	Cathode (-) R	3 Cathode (-) R	Cathode (-) Down	3 Cathode (-) Down
5	—	—	—	4 Cathode (-) R	—	4 Cathode (-) Down
6	—	—	—	—	—	—

Screen positions (TOP VIEW)	 VL1~VL3	 VL4~VL6	 VL1~VL3	 VL4~VL6	 VL4~VL6
-----------------------------	--	--	--	--	---

※2) Attached (VL4~6)
Cross wiring connector
(VL-1058-1)

Connection point
between connectors

VL4	CN2-CN6
VL5	CN3-CN7
VL6	CN4-CN8

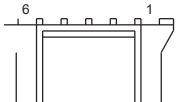
※1) Connectors to be wired to VL1~VL3 connect to CN1, VL4~VL6 are connected to either CN1 or CN5 to light up.

※2) For VL-4 connect the attached cross wiring connector (VL-1058-1) between CN2 and CN6, for VL-5 connect between CN3 and CN7, for VL-6 connect between CN4 and CN8.

※ The table above shows the Anode common arrangement. In case of Cathode common, the polarity is opposite for all anodes and cathodes.

※ (LED 1, 2, 3, 4) in the table are ordering code symbols for LED colors, respectively, and the specified color is emitted.

● Connector



● Applicable wire

Wire size	Coating outer diameter
AWG # 24-30	0.9—1.5 mm

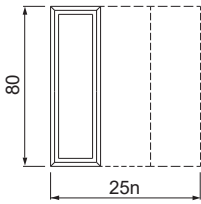
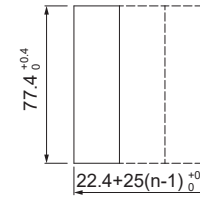
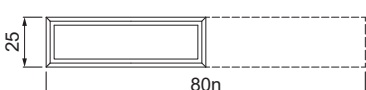
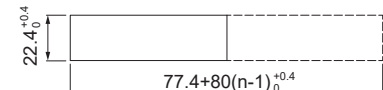
VL

LED INDICATOR

MOUNTING DESIGN / PANEL CUTOUT

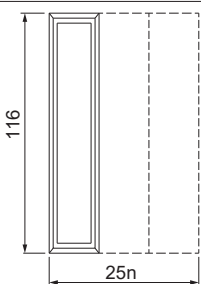
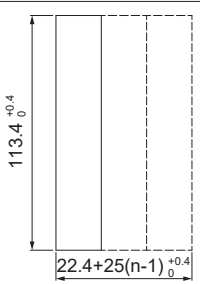
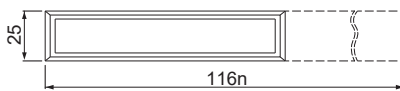
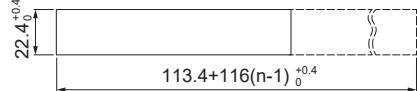
VL1

Recommended panel thickness : 1 to 4 mm

Mounting design	Panel cutout
Vertical 	
Horizontal 	

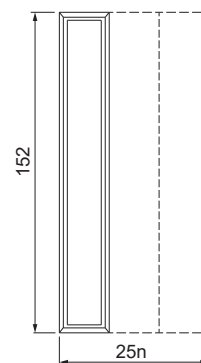
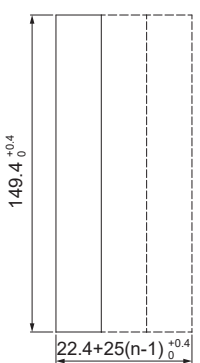
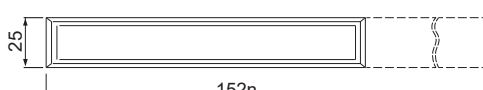
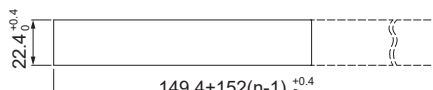
n : Number of Units

VL2

Mounting design	Panel cutout
Vertical 	
Horizontal 	

n : Number of Units

VL3

Mounting design	Panel cutout
Vertical 	
Horizontal 	

n : Number of Units

※ If the panel is to be finished (e.g. coated), make sure that the panel meets the specified dimensions after the coating.
 ※ After the panel-cutting process, make sure to remove burrs on the surface.

Tolerance : ± 0.4 mm

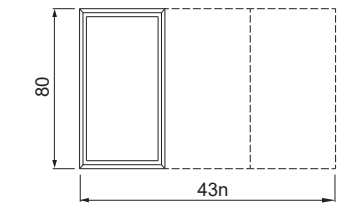
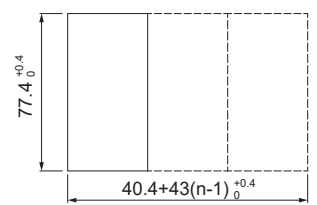
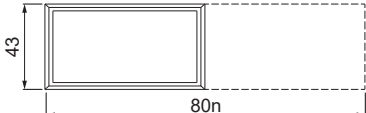
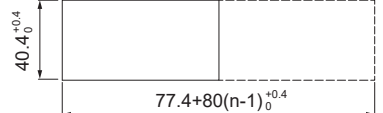
VL

LED INDICATOR

MOUNTING DESIGN / PANEL CUTOUT

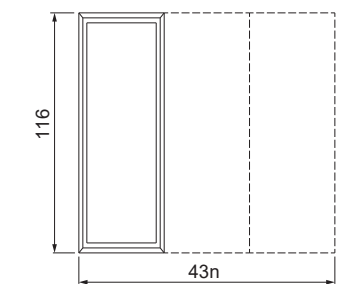
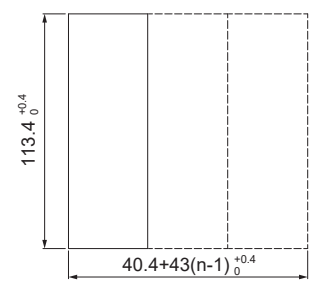
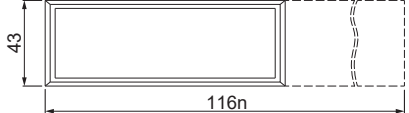
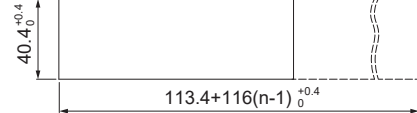
● VL4

Recommended panel thickness : 1 to 4 mm

Mounting design	Panel cutout
Vertical 	
Horizontal 	

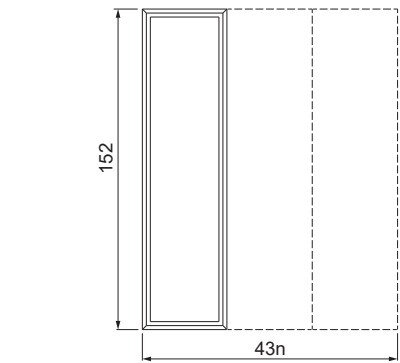
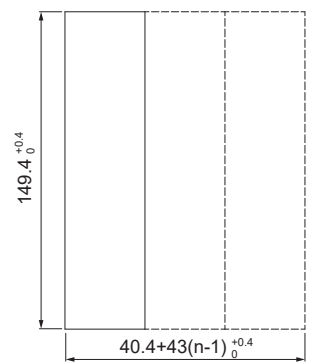
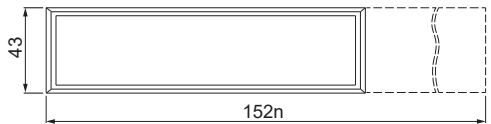
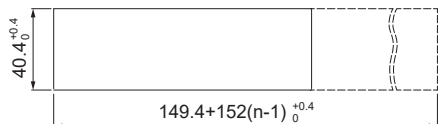
n : Number of Units

● VL5

Mounting design	Panel cutout
Vertical 	
Horizontal 	

n : Number of Units

● VL6

Mounting design	Panel cutout
Vertical 	
Horizontal 	

n : Number of Units

- ※ If the panel is to be finished (e.g. coated), make sure that the panel meets the specified dimensions after the coating.
- ※ After the panel-cutting process, make sure to remove burrs on the surface.

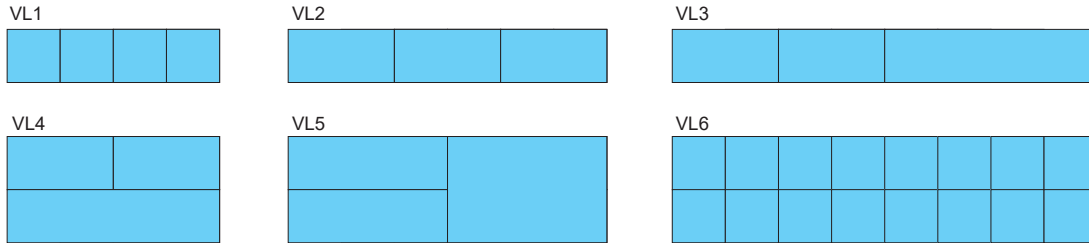
Tolerance : ± 0.4 mm

VL

LED INDICATOR

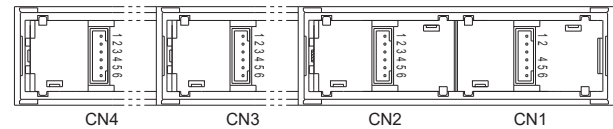
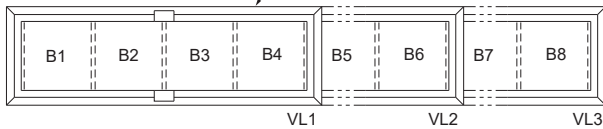
Division combinations other than 2-Split-Face

Division combinations other than 2-Split-Face as shown below are also available. (Up to 16 divisions in VL6)
However, it cannot be divided as convex and concave. Please contact us for details.

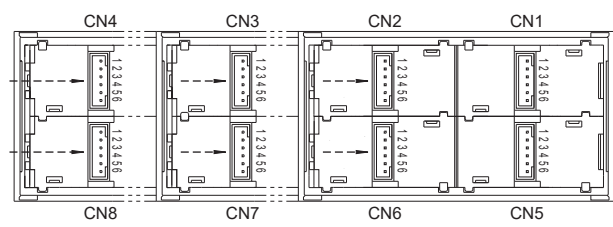
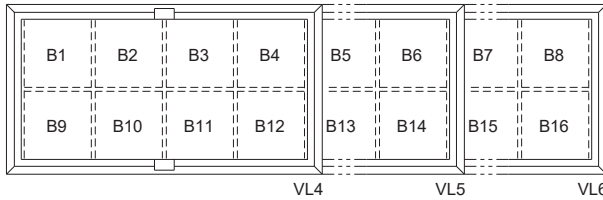


● TERMINALS LAYOUT (BOTTOM VIEW)

VL1~VL3



VL4~VL6



● Full-Face • 2-Split-Face (Monocolor • Dual-Color)

Pin No.		VL1		VL2		VL3	
		Monocolor	Dual-Color (LED 1,2)	Monocolor	Dual-Color (LED 1,2)	Monocolor	Dual-Color (LED 1,2)
CN1	1	(Common)		(Common)		(Common)	
	2	Anode (+)		Anode (+)		Anode (+)	
	3	B1	Cathode (-)	B1	Cathode (-)	B1	Cathode (-)
	4	B1	2 Cathode (-)	B1	2 Cathode (-)	B1	2 Cathode (-)
	5	B2	Cathode (-)	B2	Cathode (-)	B2	Cathode (-)
CN2	1	(Common)		(Common)		(Common)	
	2	Anode (+)		Anode (+)		Anode (+)	
	3	B3	Cathode (-)	B3	Cathode (-)	B3	Cathode (-)
	4	B3	2 Cathode (-)	B3	2 Cathode (-)	B3	2 Cathode (-)
	5	B4	Cathode (-)	B4	Cathode (-)	B4	Cathode (-)
CN3	1	(Common)		(Common)		(Common)	
	2	Anode (+)		Anode (+)		Anode (+)	
	3	B5	Cathode (-)	B5	Cathode (-)	B5	Cathode (-)
	4	B5	2 Cathode (-)	B5	2 Cathode (-)	B5	2 Cathode (-)
	5	B6	Cathode (-)	B6	Cathode (-)	B6	Cathode (-)
CN4	1	(Common)		(Common)		(Common)	
	2	Anode (+)		Anode (+)		Anode (+)	
	3	B7	Cathode (-)	B7	Cathode (-)	B7	Cathode (-)
	4	B7	2 Cathode (-)	B7	2 Cathode (-)	B7	2 Cathode (-)
	5	B8	Cathode (-)	B8	Cathode (-)	B8	Cathode (-)
CN5	1	(Common)		(Common)		(Common)	
	2	Anode (+)		Anode (+)		Anode (+)	
	3	B9	Cathode (-)	B9	Cathode (-)	B9	Cathode (-)
	4	B9	2 Cathode (-)	B9	2 Cathode (-)	B9	2 Cathode (-)
	5	B10	Cathode (-)	B10	Cathode (-)	B10	Cathode (-)
CN6	1	(Common)		(Common)		(Common)	
	2	Anode (+)		Anode (+)		Anode (+)	
	3	B11	Cathode (-)	B11	Cathode (-)	B11	Cathode (-)
	4	B11	2 Cathode (-)	B11	2 Cathode (-)	B11	2 Cathode (-)
	5	B12	Cathode (-)	B12	Cathode (-)	B12	Cathode (-)
CN7	1	(Common)		(Common)		(Common)	
	2	Anode (+)		Anode (+)		Anode (+)	
	3	B13	Cathode (-)	B13	Cathode (-)	B13	Cathode (-)
	4	B13	2 Cathode (-)	B13	2 Cathode (-)	B13	2 Cathode (-)
	5	B14	Cathode (-)	B14	Cathode (-)	B14	Cathode (-)
CN8	1	(Common)		(Common)		(Common)	
	2	Anode (+)		Anode (+)		Anode (+)	
	3	B15	Cathode (-)	B15	Cathode (-)	B15	Cathode (-)
	4	B15	2 Cathode (-)	B15	2 Cathode (-)	B15	2 Cathode (-)
	5	B16	Cathode (-)	B16	Cathode (-)	B16	Cathode (-)

※ Connect the blocks with illuminated positions that match the size of the division so that they light up simultaneously.
※ B1 to B16 are the smallest division units. However, it cannot be divided as convex and concave.

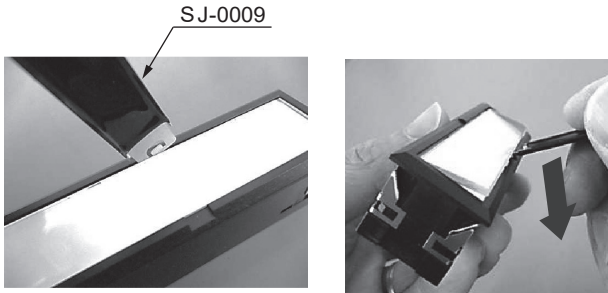
VL

LED INDICATOR

ASSEMBLY & DISASSEMBLY

1. Removing cover

Insert the removing tool (SJ-0009) into the gap near the recess between cover and housing, and tilt it outward while pressing the removing tool against the cover.



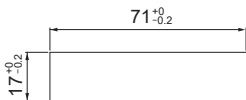
2. Fitting cover and filter

Insert the filterm glossy side up, into the stepped portions of the divider on the four sides. Push the cover into the housing with the tabs on both sides facing the filter.

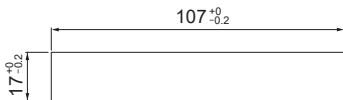


PRECAUTIONS FOR CORRECT USE

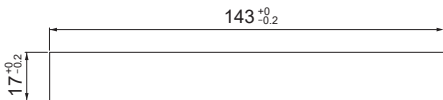
If preparing the character film separately, use a heat-resistant film with a thickness of 0.1 mm.
For dimensions, please refer to the figure below.



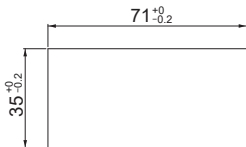
VL1



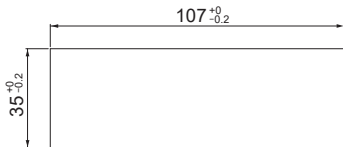
VL2



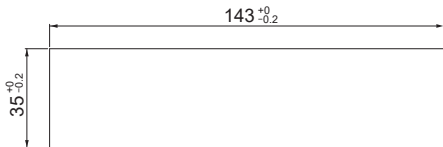
VL3



VL4



VL5



VL6

※ For handling instructions and precautions other than the above, please refer to "Safety Precautions for All Indicators".