SLC30 Series Combination Display Lights

Highly bright "Super LED" unit improves visibility and safety.

- Eight types of illumination faces to choose from. Compact combination display lights.
- Super bright Super LED.
- The fingersafe spring-up terminals reduce wiring time and prevent electrical shocks.
- The insulated jumper, when used on fingersafe spring-up terminals, eliminates the need of terminal cover.
- Legends can be engraved on the attached marking plate. One or two thin marking sheets (not attached) can also be installed (Type F only).
- Spot illumination available for easy recognition in bright environment (Type F only)
- UL and c-UL recognized, EN compliant.

Except for DC-DC converter and resistor types.

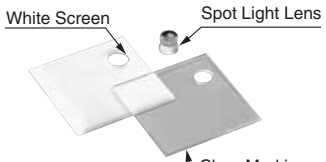
An Example of 15-window size

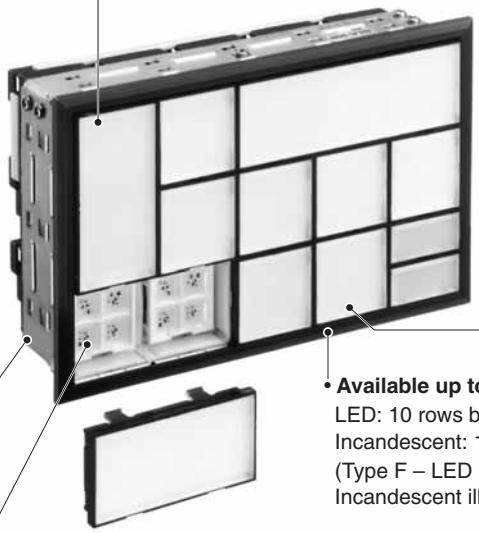
Type F | Type F (spot illumination) | Type C | Type H (2-way illumination) | Type L | Type V | Type G

- **A wide variety of illumination face sizes**

  Type F: 30H × 30W mm (Basic size)
  Type C: 15H × 30W mm × 2 (Split-window type)
  Type H: 30H × 60W mm
  Type L: 30H × 90W mm
  Type V: 60H × 60W mm
  Type G: 60H × 60W mm
  Combined construction is available.

- **Type F Window Spot Illumination Kit**

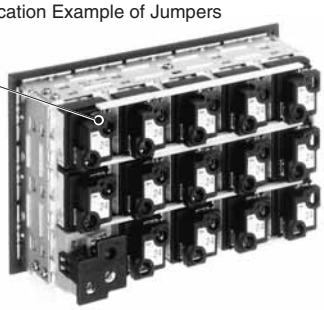




- **The fingersafe, spring-up terminals reduce wiring time.**

  The integrated terminal cover and insulated jumpers prevent electic shocks.

Application Example of Jumpers



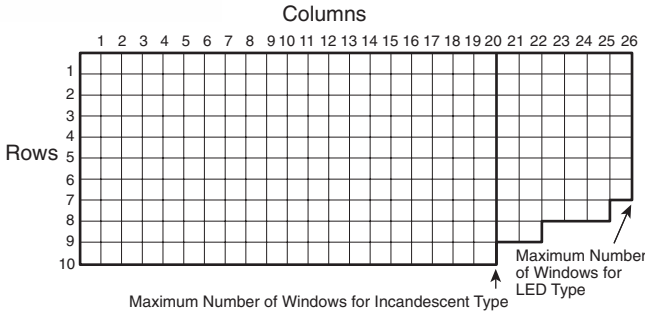
- **Marking films can be used for Type F only**

- **Frame (metal)**

  The frame cover and frame are molded in one piece for one-, two-, and three-window types.

- **Available up to 200 windows**

  LED: 10 rows by 26 columns maximum
  Incandescent: 10 rows by 20 columns maximum
  (Type F – LED illumination: 6, 12, 24V AC/DC
  Incandescent illumination: 6, 12, 18, 24V AC/DC



- **Choice of LED or incandescent illumination**

LED Illumination

LED Unit

LED Lamp (SX6S/8 base)
For Type C only

Incandescent Illumination

BA9S/13
Base Lamp

- For LED illuminated 110/220V AC type, up to 75 windows (Type F equivalent) can be mounted.
- For incandescent illuminated 110/220V AC type and for Type C, up to 50 windows (Type F equivalent) can be mounted.
- Lighting limitations should be considered in any application. For details see page 499.

Configuration

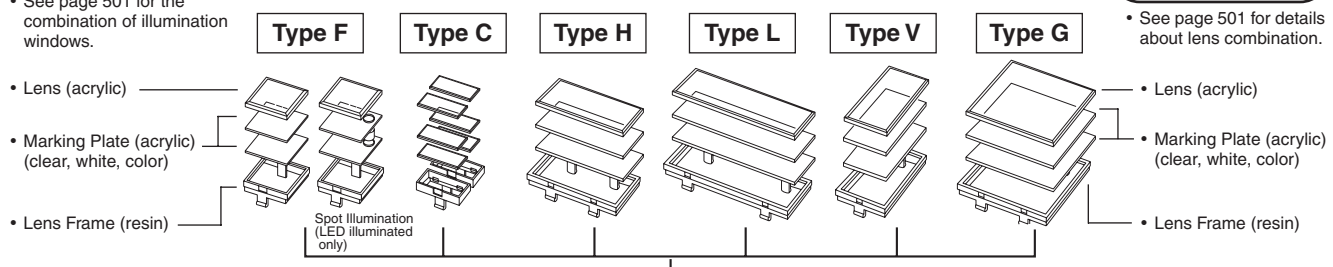
LED Illuminated

- See page 501 for the combination of illumination windows.

Illumination Face Types

Incandescent Illuminated

- See page 501 for details about lens combination.



LED Illuminated (except for Type C)

Item		Lens	Marking Plate (Color Screen) x 2		Display Color	
					When lamp is off.	When lamp is on.
Clear Lens	White display when lamp is off.	Clear	White	Clear	White	Specified Color
	Color display when lamp is off.		Color Screen (use clear screen for white)	White	Specified Color	Specified Color
	Lambda Converter		White	Lambda Converter	White	Pure White
Gray Lens		Gray	White marking plate with black coating (Note)	Clear	Gray	Specified Color for legend

- Marking plates include clear marking plate, white screen, color screen, lambda converter, and white marking plate with black coating.
- The order to insert clear marking plate, color screen, and white screen can be interchanged if necessary.
- Markings can be engraved on clear marking plate, white screen, and color screen. Engrave markings on the flat surface of the plate or screen next to the lens.

Note: For white marking plate with black coating, engrave a reverse legend on the black-coated surface.

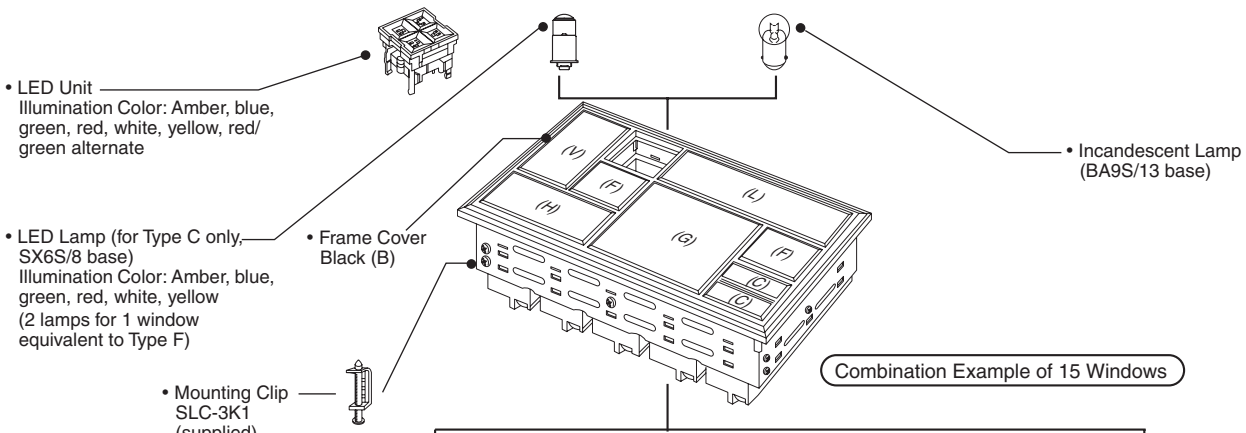
Incandescent Illuminated and LED Illuminated Type C

Item		Lens	Marking Plate (Color Screen) x 2		Display Color	
					When lamp is off.	When lamp is on.
Clear Lens	White display when lamp is off.	Clear	White	Color Screen (use clear screen for white)	White	Specified Color
Gray		Gray	White marking plate with black coating (Note)			Specified Color for Legend

- The order to insert clear marking plate, color screen, and white screen can be interchanged if necessary.
- Markings can be engraved on clear marking plate, white screen, and color screen. Engrave markings on the flat surface of the plate or screen next to the lens.

Note: For white marking plate with black coating, engrave a reverse legend on the black-coated surface.

LED Illuminated | Incandescent Illuminated



Combination Example of 15 Windows

LED Illuminated

- **One-color full**
  6, 12, 24V AC/DC
- **One-color full** (w/check terminal)
  (Except Type C) 24V DC
- **One-color full** (Flasher)
  (Type F only) 24V DC
- **Two-color Alternate**
  (Except Type C) 24V DC
- **One-color full**
  (Except Type C) 100/110V, 200/220V AC
- **One-color full**
  (Except Type C) 100/110V DC (Resistor Type)
- **One-color full**
  (Except Type C) 110V DC (DC-DC Converter Type)

Incandescent Illuminated

- **One-color full**
  (Except Type C) 6, 12, 18, 24V AC/DC
- **One-color full**
  (Except Type C) 100/110, 200/220V AC
- **One-color full**
  (Except Type C) 110V AC/DC (Resistor type)

- 2-way split type is also available in Type H.
- The illustration above shows combination examples of windows. One-window type is available in Type F (see page 477 and 478).

Specifications (SLC30 Series)

• LED Illuminated

Light Source			LED Unit								LED Lamp		
Input Type			Full Voltage				Transformer	DC-DC Converter	Resistor		Full Voltage		
Illumination Type			One-color One-color w/check terminal (Note 1)			Two-color Alternate	Flasher Type	One-color			One-color × 2 Split-window Type (Type C)		
Fingersafe Spring-up Terminal			Provided (except for check terminal)			— (Note 2)		Provided			— (Note 2)		
Rated Voltage (Note 3)			6V AC/DC ±5%	12V AC/DC ±10%	24V AC/DC ±10%	24V DC ±10%	24V DC ±10%	100/110V AC ±10% 200/220V AC ±10%	110V DC (90 to 140V DC)	100/110V AC/DC ±10%	6V AC/DC ±10%	12V AC/DC ±10%	24V AC/DC ±10%
Maximum Current Draw (VA)			Same as internal LED unit				—	1.7	1.4	1.5	Same as internal LED		
Illumination Color			Amber, green, red, white, yellow		Amber, blue, green, pure white, red, white, yellow	Red/green Alternate	Amber, blue, green, pure white, red, white, yellow				Amber, blue, green, red, white, yellow		
Standards			UL, c-UL listed, EN compliant						—		—		
Built-in LED Unit/Lamp	Rated Voltage		6V AC/DC	12V AC/DC	24V AC/DC	24V DC	24V AC/DC				6V AC/DC	12V AC/DC	24V AC/DC
	Rated Current	Red, white, yellow	43 mA	23 mA	13 mA	Red:13 mA Green:12 mA	13 mA				7 mA	8 mA	8 mA
		Amber, blue, green	39 mA	21 mA	12 mA (Note 4)		12 mA (Note 4)						
	Illumination Color (code)		Amber (A), blue (S), green (G), red (R), white (W), yellow (Y) (Note 5)			Red (R)/ green (G)	Amber (A), blue (S), green (G), red (R), white (W), yellow (Y)				Amber (A), blue (S), green (G), red (R), white (W), yellow (Y)		
	Base		Plug-in unit type								SX6S/8		
	Type No.		(See page 496)				SLDN-32F-∗T				LFTD-6∗	LFTD-1∗	LFTD-2∗
	No. of Units		1 LED unit per window of basic Type F								1 LED lamp per split-window type		
Flashing Period			—				0.5 ±0.2 sec (fixed duty 1:1) (Note 6)	—			—		
Insulation Resistance			100 MΩ between live and dead parts (500V DC megger)										
Dielectric Strength			2000V AC (1 minute) between live and dead parts				2500V AC (1 minute) between live and dead parts			2000V AC (1 minute)	2000V AC (1 minute) between live and dead parts		
Operating Temperature (Note 7)			–20 to +40°C				–10 to +40°C	–20 to +40°C	–10 to +40°C	–20 to +40°C	–20 to +40°C		
Operating Humidity			45 to 85% RH (no condensation)										

Specify a color code in place of ∗.
Note 1: The rated voltage for w/check terminal type is 24V DC only.
Note 2: Terminal cover is available (see page 493).
Note 3: 50/60Hz with AC voltage type.
Note 4: Including pure white.
Note 5: Blue LED is 24V AC/DC only. Pure white illumination uses blue LED units.
Note 6: Multiple flasher type units do not synchronize with each other.
Note 7: No freezing

• Incandescent Illuminated

Illumination Type		One-color Full Voltage				One-color Transformer	One-color Resistor
Rated Voltage (Note 1)		6V AC/DC	12V AC/DC	18V AC/DC	24V AC/DC	100/110, 200/220V AC	110V AC/DC
Illumination Color		Amber, blue, green, red, white, yellow					
Built-in Lamp	Rated Voltage	6.3V·1W lamp	18V·1W lamp	24V·1W lamp	30V·1W lamp	6.3V·1W lamp	18V·1W lamp
	Operating Voltage	5 to 6V	12 to 18V	18 to 24V	24 to 30V	5 to 6V	12 to 18V
	Base	BA9S/13					
	Type No.	LS-6	LS-8	LS-2	LS-3	LS-6	LS-8
	No. of Lamps	1 lamp per window of basic Type F					
Insulation Voltage		100 MΩ between live and dead parts (500V DC megger)					
Dielectric Strength		2000V AC (1 minute) between live and dead parts				2500V AC (1 minute) between live and dead parts	2000V AC (1 minute) between live and dead parts
Operating Temperature		–20 to +40°C (no freezing)					
Operating Humidity		45 to 85% RH (no condensation)					

Note 1: 50/60Hz with AC voltage type.
Note 2: Terminal cover is available for all incandescent illuminated types (see page 493), except for the resistor type.

• LED/Incandescent Illuminated

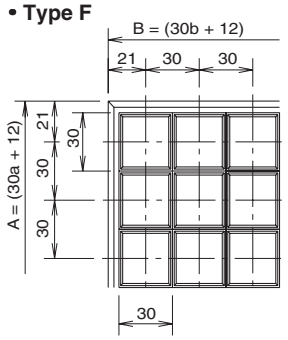
Illumination Face Type		Type F (Note 1) (Basic Type)	Type C (Split-window Type)	Type H	Type L	Type V	Type G
Illumination Unit Size (mm)	Window (H × W)	30 × 30	15 × 30	30 × 60	30 × 90	60 × 30	60 × 60
	Illumination Face (H × W)	28 × 28	13 × 28	28 × 58	28 × 88	58 × 28	58 × 58
	White color screen, clear marking plate, color screen (H × W × t)	27 × 27 × 1.0	12 × 27 × 1.0	27 × 57 × 1.0 (Note 2)	27 × 87 × 1.0	57 × 27 × 1.0	57 × 57 × 1.0
	Marking Film	Applicable	—	—	—	—	—
	Engraving Area (white, transparent, color plates)	25 × 25	10 × 25	25 × 55	25 × 85	55 × 25	55 × 55
Material of Marking Plate & Color Screen		Acrylic					
Lens Frame Color & Frame Cover Color		Black (Munsell N1.5 equivalent)					
Connection Wire		Solid wire: ø1.6 × 2, Stranded 2 mm^2 × 2					
Terminal Screw		M3.5 screw, Incandescent resistor: M4 nut, Check terminal: M3					
Degree of Protection		IP40					
Pollution Degree		3					

Note 1: Flasher type, pure white illumination, and spot illumination types are available in Type F only.
Note 2: 2-way split type (Type H2) can use 2-way split color screen only.

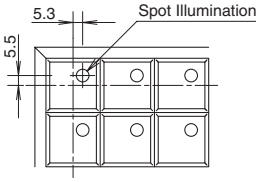
Dimensions (SLC30 Series)

[Front View] a: No. of Rows b: No. of Columns

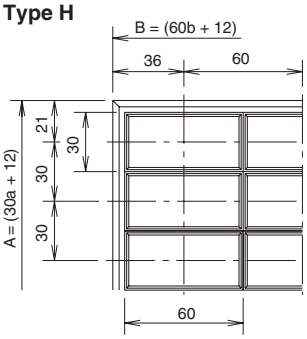
• Type F



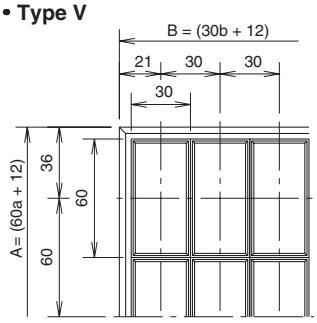
Spot Illumination



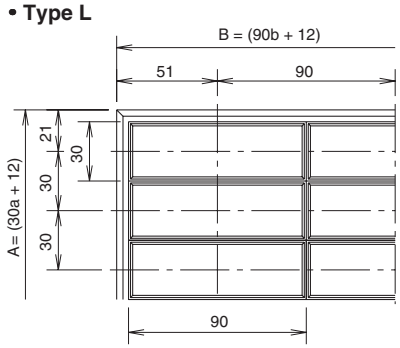
• Type H



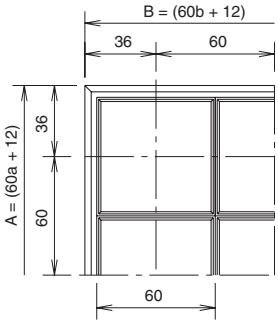
• Type V



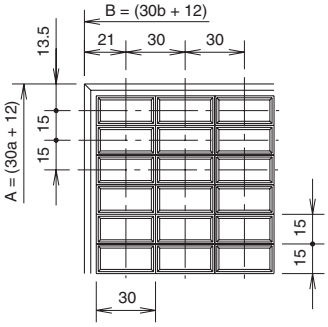
• Type L



• Type G



• Type C



All dimensions in mm.

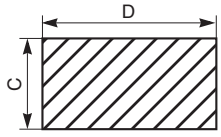
• Type F Dimensions & No. of Windows (Type C, H, L, V, and G can be converted into Type F.)

	Columns	b	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Rows	Dimensions	B	**42**	**72**	**102**	**132**	**162**	**192**	**222**	**252**	**282**	**312**	**342**	**372**	**402**	**432**	**462**	**492**	**522**	**552**	**582**	**612**	**642**	**672**	**702**	**732**	**762**	**792**
	Panel Cut-out (D)		(35)	(65)	(95)	(125)	(155)	(185)	(215)	(245)	(275)	(305)	(335)	(365)	(395)	(425)	(455)	(485)	(515)	(545)	(575)	(605)	(635)	(665)	(695)	(725)	(755)	(785)
a	**A** (C)																											
01	**42** (35)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
02	**72** (65)		2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52
03	**102** (95)		3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78
04	**132** (125)		4	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100	104
05	**162** (155)		5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130
06	**192** (185)		6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138	144	150	156
07	**222** (215)		7	14	21	28	35	42	49	56	63	70	77	84	91	98	105	112	119	126	133	140	147	154	161	168	175	182
08	**252** (245)		8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168	176	184	192	200	—
09	**282** (275)		9	18	27	36	45	54	63	72	81	90	99	108	117	126	135	144	153	162	171	180	189	198	—	—	—	—
10	**312** (305)		10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	—	—	—	—	—	—

How to Read the Table

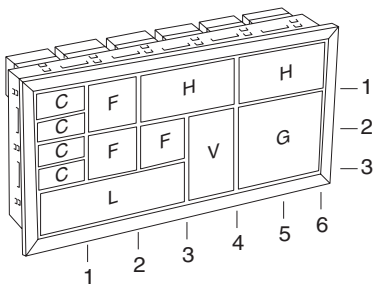
1. The number of windows equals rows multiplied by columns. For example, for 5 rows by 7 columns, the number of windows is 35, external dimensions are 162mm high by 22mm wide, and panel cut-out is 155mm high by 215mm wide.
2. External dimensions are represented by A for rows and B for columns in boldface.
3. Panel cut-out dimensions are shown in ( ), for height (C) and width (D). Panel cut-out tolerance is +1.0 to –0 mm (for one window: +0.6 to –0.4mm).

Panel Cut-out (SLC30)



Determine the panel thickness in consideration of the weight of display lights and wires (see page 493).

[Example]



4. Total number of windows, dimensions, panel cut-out

① For Type C, H, L, V, and G, convert the numbers of rows and columns into Type F (basic size) equivalents.

- Type C — Type F equivalent: 2 split-windows consist of one window.
- Type H — Type F equivalent: 2 windows
  Height: 1 row
  Width: 2 columns
- Type V — Type F equivalent: 2 windows.
  Height: 2 rows
  Width: 1 column
- Type L — Type F equivalent: 3 windows
  Height: 1 row
  Width: 3 columns
- Type G — Type F equivalent: 4 windows
  Height: 2 rows
  Width: 2 columns

② The combination example at left consists of 3 rows by 6 columns.

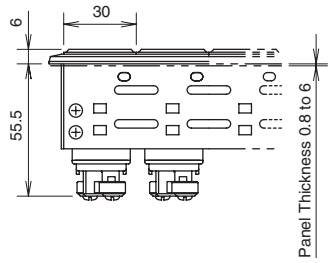
③ The above table shows:No. of windows: 18
Dimensions: 102H × 192W mm
Panel cut-out: 95H × 185W mm

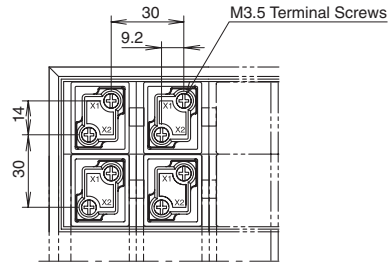
Dimensions (SLC30 Series)

LED Illuminated [Side & Rear Views]

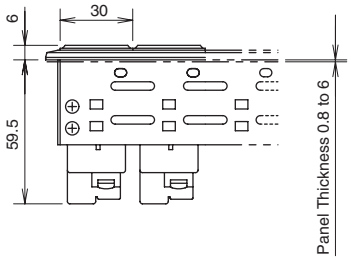
• Type F (Type H, L, V, and G are the same in side and rear views as Type F.)

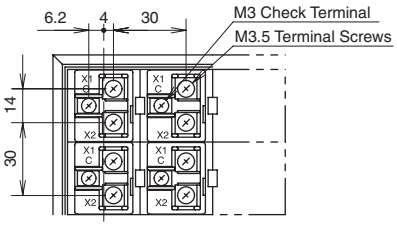
- Full Voltage Type
- 6, 12, 24V AC/DC
- One-color full





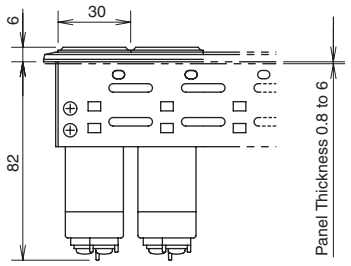
- Full Voltage Type
- One-color full
- w/Check Terminal
- Two-color alternate 24V AC/DC
- For applicable terminal cover, see page 493.

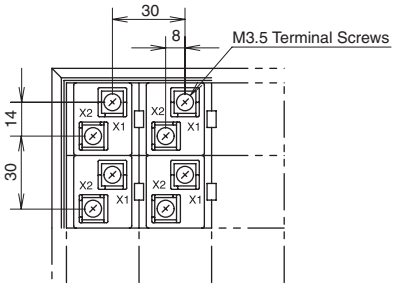




- w/Check Terminal Type
  Terminal X1 is a positive pole; Terminal X2 and C (check terminal) are negative poles.
- Two-color Alternate Type
  Red (R) illumination: X1 positive, C negative
  Green (G) illumination: X1 positive, X2 negative

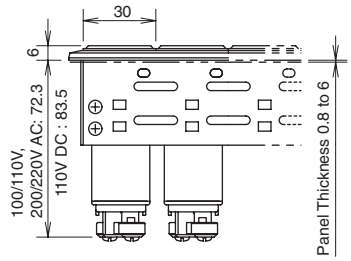
- Full Voltage Type
- One-color full
- Flasher Type (Type F only)
- For applicable terminal cover, see page 493.

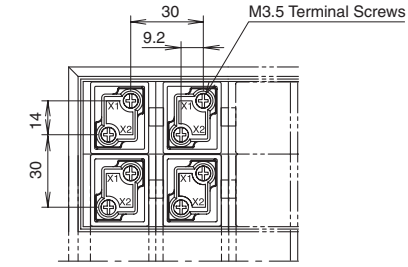




- Terminals X1 and X2 are positive and negative poles, respectively.

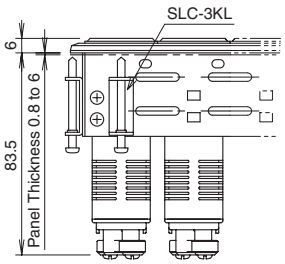
- Transformer Type
- One-color full
- 100/110, 200/220V AC/DC
- 110VDC (DC-DC Converter) Type

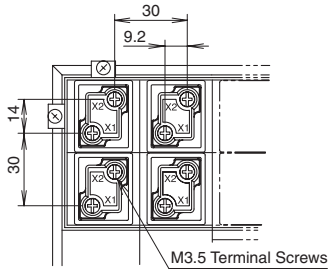




- On LED illuminated DC-DC Converter type units, Terminals X1 and X2 are positive and negative poles, respectively.

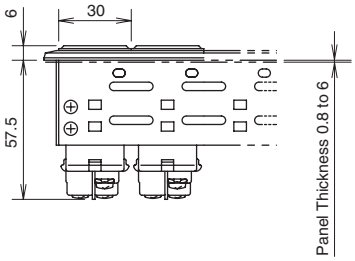
- Resistor Type
- One-color full
- 100/110V AC/DC

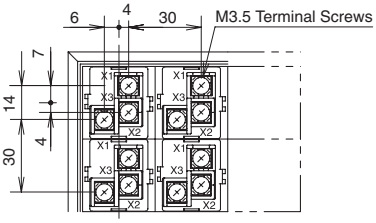




• Type C

- Full Voltage Type
- 6, 12, 24V AC/DC
- One-color full, 2 × LED lamps, Split-window type





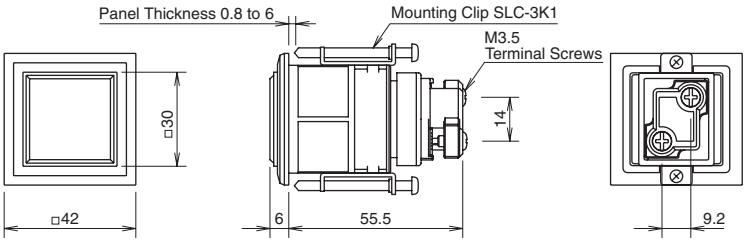
- Terminal X1 is COM terminal.
- For applicable terminal cover, see page 493.

All dimensions in mm.

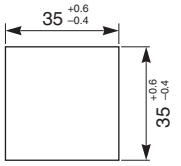
Dimensions (SLC30 Series)

LED Illuminated [One-window, Type F only]

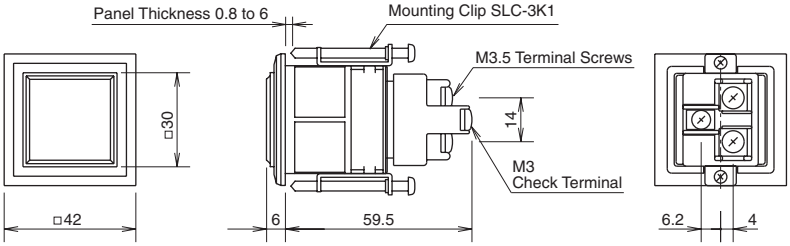
• Full Voltage 6, 12, 24V AC/DC, One-color Full



Panel Cut-out

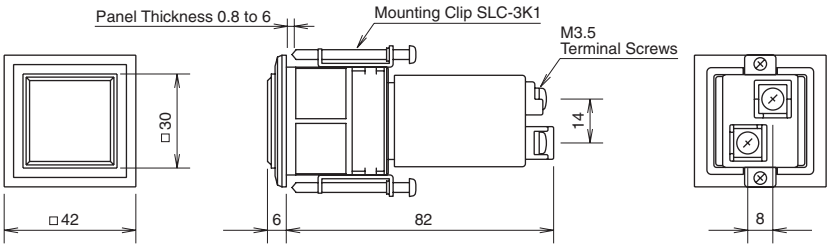


• Full Voltage 24V DC, w/Check Terminal/Two-color Alternate



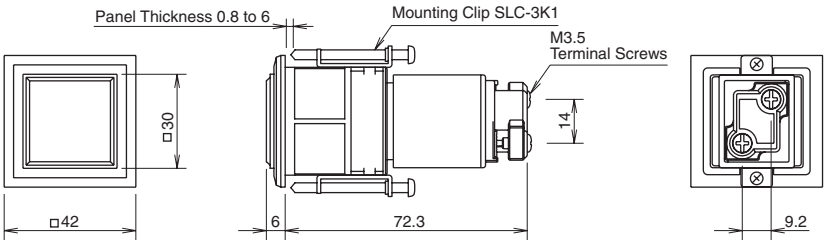
- w/Check Terminal Type
  Terminal X1 is a positive pole; Terminals X2 and C (check terminal) are negative poles.
- Two-color Alternate Type
  Red (R) illumination: X1 positive, C negative
  Green (G) illumination: X1 positive, X2 negative
- See page 493 for terminal covers.

• Flasher Type 12, 24V DC

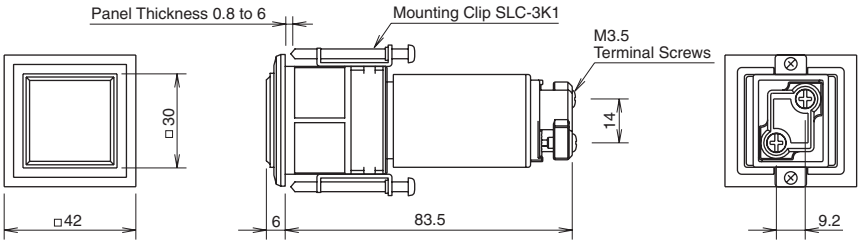


- On LED illuminated flasher type, Terminals X1 and X2 are positive and negative poles, respectively.
- See page 493 for terminal covers.

• Transformer Type 100/110, 200/220V AC

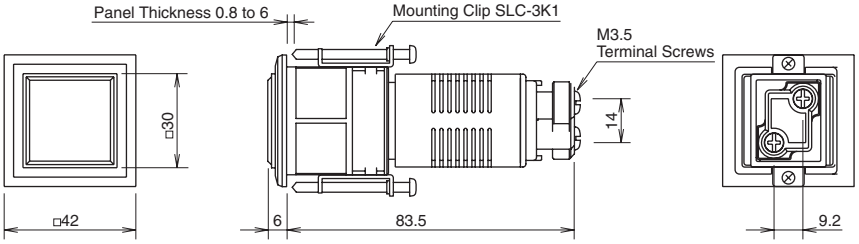


• DC-DC Converter Type 110V DC



- On LED illuminated DC-DC converter type, Terminals X1 and X2 are positive and negative poles, respectively.

• Resistor Type 100/110V AC/DC



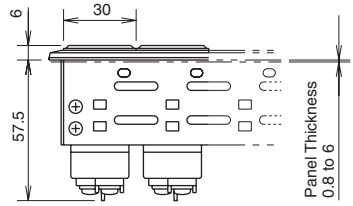
(Resistance)
LED illuminated type: 7.2 kΩ, 2W

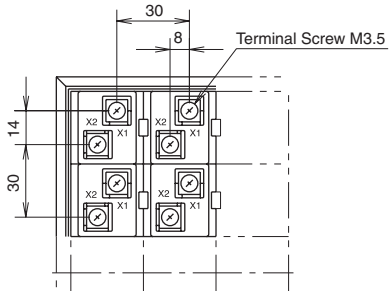
All dimensions in mm.

Dimensions (SLC30 Series)

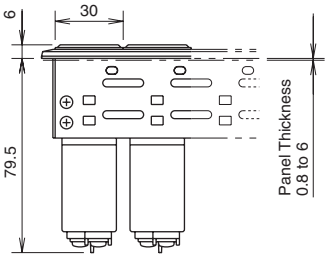
Incandescent Illuminated [Side & Rear Views]

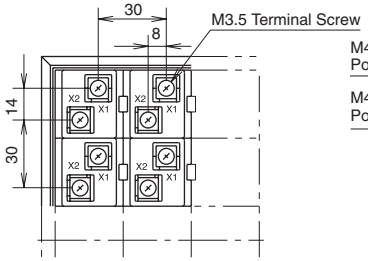
- Full Voltage Type
- 6, 12, 18, 24V AC/DC
- One-color full



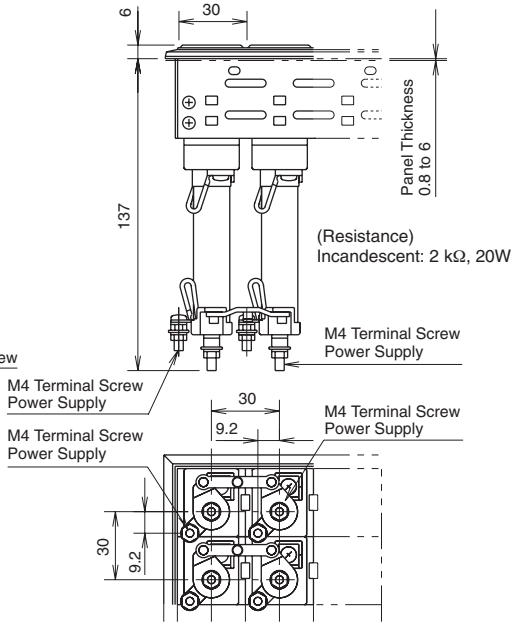


- Transformer Type
- 100/110, 200/220V AC





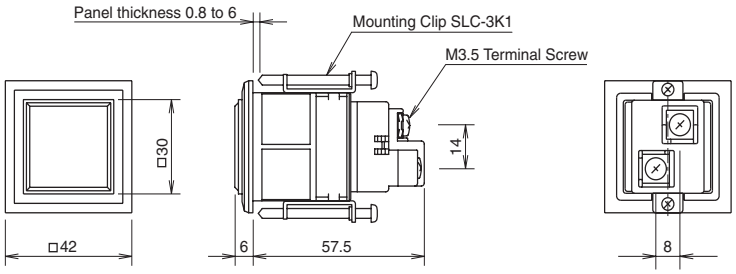
- Resistor Type
- 110V AC/DC



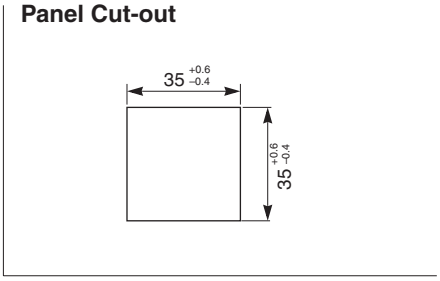
- Terminal cover is available. For dimensions, see page 493.

Incandescent Illuminated [One-window, Type F only]

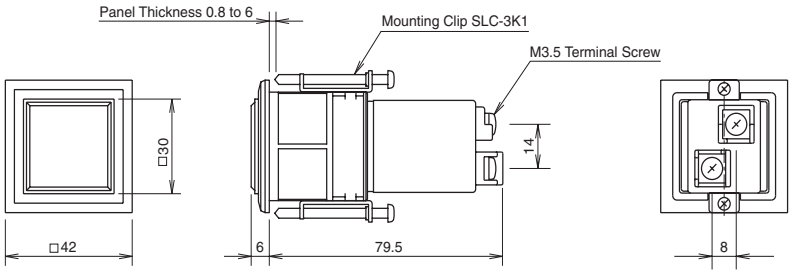
• Full Voltage 6, 12, 18, 24V AC/DC, One-color Full



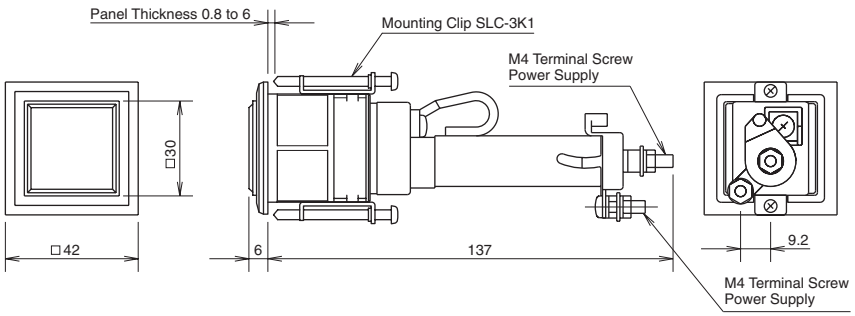
Panel Cut-out



• Transformer Type 100/110, 200/220V AC



• Resistor Type 110V AC/DC

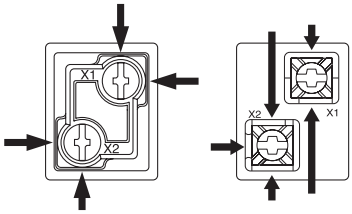


(Resistance)
Incandescent: 2 kΩ, 2W

All dimensions in mm.

Terminal Connection (LED Illuminated)

• For one-color full LED Illuminated with check terminal, DC-DC converter type, and resistor type, Terminals X1 and X2 are positive and negative poles, respectively.

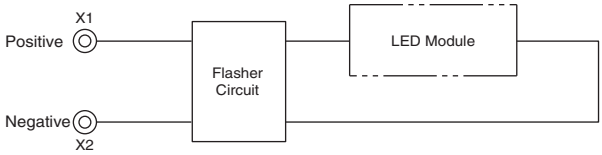


Fingersafe, Spring-up Terminal

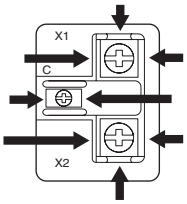
Other terminals

Arrows indicate access directions for wiring terminals.

(Flasher Type Connection Diagram)

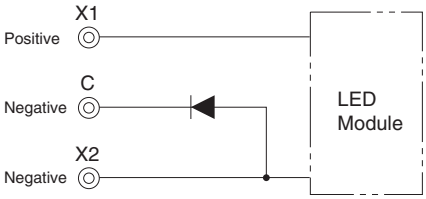


• For w/check terminal and two-color alternate type units, terminal X1 is a positive pole; Terminals X2 and C (check terminal) are negative poles.



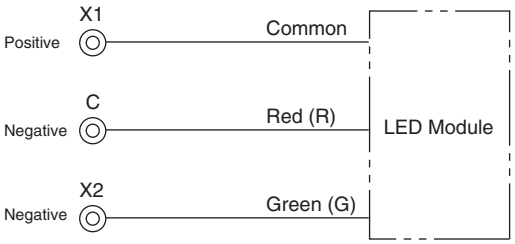
Arrows indicate access directions for wiring terminals.

(w/Check Terminal Type Connection Diagram)

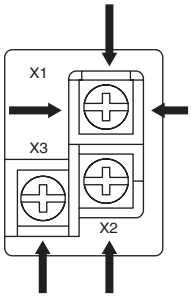


• Connection for two-color alternate type is as follows.
Red (R) — Terminal X1: positive, Terminal C: negative
Green (G) — Terminal X1: positive, Terminal X2: negative

(Two-color alternate Type Connection Diagram)



• For the LED illuminated split-window type (Type C), Terminal X1 is a common terminal. Terminal X2 is a negative pole of upper illumination and Terminal X3 is a negative pole of lower illumination.



Arrows indicate access directions for wiring terminals.

Terminal Connection Using Jumpers

• For terminal connection of types F, H, L, V, and G (except Type C), jumpers can be used as shown below.

SLC30 Series

		Terminal X1	Terminal X2	Terminal C
LED Illuminated (Note 2)	Fingersafe, Spring-up Terminal (Note 1)	SLCN-JP34 SLCN-JP35	SLCN-JP34 SLCN-JP35	—
	Others	SLC-JP30	SLC-JP33	SLC-JP32
Incandescent Illuminated		SLC-JP30	SLC-JP33	SLC-JP32

Note 1: fingersafe, spring-up terminals are used in one-color full illuminated type (6, 12, 24V AC/DC, 100/110, 200/220V AC, 110V DC).
Note 2: No jumper is used on resistor type.

• For Type C, jumpers can be used on Terminal X1 only as shown below.

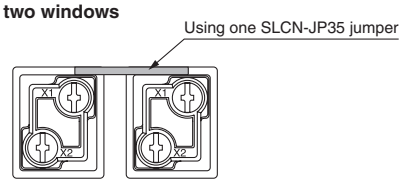
Direction	• When using Type C only • When using Type C and Two-color alternate
Vertical	SLC-JP33
Horizontal	SLC-JP30

Note: Jumpers cannot be used when using both Type C and fingersafe spring-up terminals.

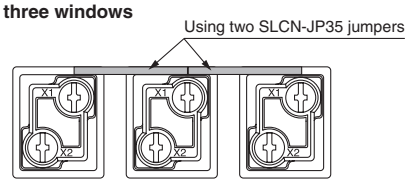
[Examples of Using Jumpers]

LED Illuminated (fingersafe Spring-up Terminal)

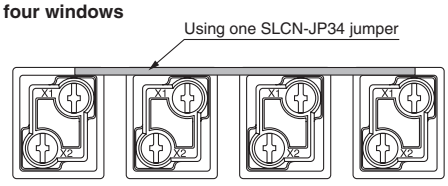
When connecting two windows

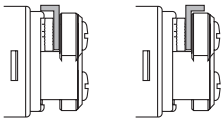


When connecting three windows



When connecting four windows





Correct Incorrect

Jumpers (SLCN-JP34/35) have an orientation. Ensure that jumpers are installed correctly.

Type No. Development (SLC30 Series)

SLC30N – 0 4 0 5 – DD 2 F B –

Example: G (5), R (5), W (10)
Specify the color code and the number of windows.

30 Series

When ordering Type H, L, V, G, or C units, enter the equivalents of Type F.

Frame Color
Black: B

Equivalent of Basic Size Windows

Rows	Columns
01	01
02	02
03	03
04	04
05	05
06	06
07	07
08	08
09	09
10	10
	11
	12
	13
	14
	15
	16
	17
	18
	19
	20
	21
	22
	23
	24
	25
	26

Unit Type				(Code)	Operating Voltage (Built-in Lamp)	(Code)
LED Illuminated	LED Unit	Full Voltage Type (A, G, R, W, Y)		DD	6V AC/DC ±5%	6
					12V AC/DC ±10%	1
					24V AC/DC ±10%	2
		Full Voltage Type (PW, S)		DDA	24V AC/DC ±10%	2
		Full Voltage w/Check Terminal Type (A, G, R, W, Y)		DHM	24V DC ±10%	2
		Full Voltage Two-color Alternate (R/G)		DW	24V DC ±10%	2
		Full Voltage Flasher Type (A, G, R, W, Y)		DF	24V DC ±10%	2
		Transformer Type (A, G, R, W, Y)		TD	100/110V AC ±10%	1
					200/220V AC ±10%	2
		Transformer Type (PW, S)		TDA	100/110V AC ±10%	1
					200/220V AC ±10%	2
		DC-DC Converter Type (A, G, R, W, Y)		CD	110V DC (90 to 140V DC)	1
		Resistor Type (A, G, R, W, Y)		RN	100/110V AC/DC ±10%	1
	LED Lamp	One-color Full × 2 split window type (Type C) (A, G, R, W, Y)	SX6S/8 Base	DP	6V AC/DC ±10% (LFTD-6∗)	6
					12V AC/DC ±10% (LFTD-1∗)	1
					24V AC/DC ±10% (LFTD-2∗)	2
Incandescent Illuminated		Full Voltage Type	BA9S/13 Base	DS	5 to 6V AC/DC (LS-6)	6
					12 to 18V AC/DC (LS-8)	8
					18 to 24V AC/DC (LS-2) (Note)	2
					24 to 30V AC/DC (LS-3)	3
				TS	100/110V AC ±10% (LS-6)	1
					200/220V AC ±10% (LS-6)	2
		Resistor Type		RS	100/110V AC/DC ±10% (LS-8)	1

The following color/voltage selections are also available.

Unit Type				(Code)	Operating Voltage (Built-in Lamp)	(Code)
LED Illuminated	LED Unit	Full Voltage w/Check Terminal Type (PW, S)		DHMA	24V AC/DC ±10%	2
		Full Voltage Flasher Type (PW, S)		DFA	24V AC/DC ±10%	2
		Transformer Type (A, G, R, W, Y)		TD	115/120V AC ±10%	12
					230/240V AC ±10%	24
		Transformer Type (PW, S)		TDA	115/120V AC ±10%	12
					230/240V AC ±10%	24
		DC-DC Converter Type (PW, S)		CDA	110V DC (90 to 140V DC)	1
		Resistor Type (PW, S)		RNA	100/110V AC/DC ±10%	1
	LED Lamp	One-color Full × 2 split window type (Type C) (combination of S only)	SX6S/8 Base	DPA	6V AC/DC ±5% (LFTD-6S) × 2	6
					12V AC/DC ±10% (LFTD-1S) × 2	1
					24V AC/DC ±10% (LFTD-2S) × 2	2
		One-color Full × 2 split window type (Type C) (combination of S and A, G, R, W, Y)		DPC	6V AC/DC ±5% (LFTD-6∗)	6
					12V AC/DC ±10% (LFTD-1∗)	1
					24V AC/DC ±10% (LFTD-2∗)	2
Incandescent Illuminated		Transformer Type	BA9S/13 Base	TS	115V AC ±10% (LS-6)	11
					120V AC ±10% (LS-6)	12
					230V AC ±10% (LS-6)	23
					240V AC ±10% (LS-6)	24
					380V AC ±10% (LS-6)	38
					400/440V AC ±10% (LS-6)	4
					480V AC ±10% (LS-6)	48

Illumination Face Size (Code)

• Type F 30 × 30 mm	F
• Type H 30 × 60 mm	H
• Type H (2-way split) 30 × 60 mm A light barrier, clear marking plate, and color screen for 2-way split illumination are supplied.	H2
• Type L 30 × 90 mm	L
• Type V 60 × 30 mm	V
• Type V 60 × 60 mm	G
• Type C (15 × 30 mm) × 2	C
• Type M Combination of types F, H, L, V, G, and C (specify in the ordering sheet)	M
• Type F Spot Illumination 30 × 30 mm	FST

Illumination Color

• Clear Lens Combination	(Code)
Amber	A
Green	G
Red	R
Blue	S
White	W
Yellow	Y
• Color Screen Combination (LED only)	(Code)
When color display is required at power off, order color screens. For details, see page 501.	
Amber	TA
Green	TG
Red	TR
Blue	TS
White	TW
Yellow	TY
• Gray Lens Combination	(Code)
Amber	SA
Green	SG
Red	SR
Blue	SS
White	SW
Yellow	SY
• Type L, V, and G cannot be split-illuminated. • Use specification sheet when ordering Type M unit or 2-way split illumination type. • Enter the required number of color screens in ( ).	
• Lambda Converter	
Pure White	PW
One-color Full Type F only (except spot illumination type)	

Note: For longer lamp life, LS-3 (30V rating, 1W) lamps are recommended when using on 24V AC/DC.

Ordering Information (SLC30)

When ordering SLC Series Combination Display Lights, use the specification sheet provided on page 509.

- **Designation Procedure**
  1. Type No.: Refer to Type No. Configuration on page 480.
  2. Quantity: Enter the required number of identical assemblies.
- **Counting of Windows**
  Count the number of windows in the equivalent of Type F (basic size).
- **Leaf Spring (for one-window type only)**
  Leaf spring for temporary fastening is not attached, and can be supplied free of charge upon request when ordering (Type No. SLD44KVP).

[Conversion Rate]

- Type H (horizontal type)
  Type F equivalent: 2 windows
  Row (1), Column (2)
- Type L (horizontal type)
  Type F equivalent: 3 windows
  Row (1), Column (3)
- Type V (vertical type)
  Type F equivalent: 2 windows
  Row (2), Column (1)
- Type G (large type)
  Type F equivalent: 4 windows
  Row (2), Column (2)
- Type C (split-window type)
  Type F equivalent: 1 window
  Row (1), Column (1)

[Designation Examples]

Ex. 1 SLC30 Series
Type F, 20 windows

Incandescent illuminated type when arrangement of color screen is not designated.

SLC30N- 04 05 ☐ ☐ F ☐ G(5), R(5), S(5), Y(5)

Columns / Rows

Color screen: Type F, 20 windows
G(5) + R(5) + S(5) + Y(5) + = 20

LED illuminated units in one color.

R (20)

Color screen: Type F, 20 windows
R (20) = 20

- When color screen is required, specify the color screen code.

Ex. T ✻ — Color Code / Color Screen Code

- When more than one color is required for LED.
- When a particular arrangement of color screen is required.

No entry is required in designations.

Specify each color code on the specification sheet.

Rows \ Columns	1	2	3	4	5	6
1	R	R	R	R	R	+
2	G	G	G	G	G	+
3	Y	Y	Y	Y	Y	+
4	A	A	A	A	A	+
5	+	+	+	+	+	+

Ex. 2 SLC30 Series
Type H, 9 windows (Type F equivalent: 3 rows by 6 columns)

SLC30N- 03 06 ☐ ☐ H ☐ G(3), R(3), Y(3)

Columns / Rows

Color screen: Type H, 9 windows
G (3) + R(3) + Y (3) = 9

R (9)

Color screen: Type H, 9 windows
R (9) = 9

- When color screen is required, specify the color screen code.

Ex. T ✻ — Color Code / Color Screen Code

No entry is required in designations.

Specify each color code on the specification sheet.

Rows \ Columns	1	2	3	4	5	6	7
1	R	A	A				+
2	R	Y	Y				+
3	R	G	G				+
4	+	+	+	+	+	+	+

Ex. 3 SLC30 Series
Type M, 9 windows (Type F equivalent: 2 rows by 6 columns)

SLC30N- 02 06 ☐ ☐ M ☐ No entry is required in designations.

Columns / Rows

Specify the position and each color code on the specification sheet.

Rows \ Columns	1	2	3	4	5	6	7
1	G	W	Y		G		+
2	G		Y				+
3	+	+	+	+	+	+	+

Ex. 4 SLC30 Series (Type F, 12 windows)

When ordering a combination of units with different operating voltages, specify Type No. as follows.

Type F, 12 windows, Full voltage type — 24V AC/DC — 8 — Transformer Type — 100/110V AC — 4

SLC30N-0304- DD 2 FB(8) + TD 1 FB(4) - W (12)

Specify the position of the units and each voltage on the specificaiton sheet.

Columns / Rows

Rows \ Columns	1	2	3	4	5	
1						+ DD2
2						+
3						+ TD1

Ex. 5 When ordering a combination of units with diffrent illuminatin colors, specity Type No. as follows.

Example: Full voltage LED illuminated 24V AC/DC, Red (6), Pure White (2)

SLC30N-0204-DD2FB(6) + DDA2FB(2) - R(6)PW(2)
Red — Pure White — Designation
Red: 6, Pure White: 2

Specify the position of the units and each color code on the specificaiton sheet.

Columns / Rows

Rows \ Columns	1	2	3	4	5	
1	PW	R	R	R		+
2	PW	R	R	R		+
	+	+	+	+	+	+