

SLC30 Series Combination Display Lights

Specifications

Light Source	LED Unit								LED Lamp			
Input	Full Voltage				Transformer	DC-DC Converter	Resistor	Full Voltage				
Illumination	One-color One-color w/check terminal (Note 1)			Two-color Alternate (Note 2)	Flasher	One-color					One-color x 2 Split-window (Type C)	
Fingersafe Spring-up Terminal	Provided (except for check terminal)			(Note 2)	Provided	Provided					— (Note 2)	
Rated Voltage (AC: 50/60Hz)	6V AC/DC ±5%	12V AC/DC ±10%	24V AC/DC ±10%	24V AC/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				0.5W + internal LED	1.7	1.4	1.5	Same as internal LED			
Illumination Color	Amber, green, red, yellow		Amber, blue, green, pure white, red, yellow	Red/green Alternate	Amber, blue, green, pure white, red, yellow					Amber, blue, green, pure white (Note 8), red, 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	Amber, red	12 mA	12 mA	12 mA (Note 6)	Red: 12 mA Green: 11 mA	12 mA (Note 6)			7 mA (Note 7)	8 mA (Note 7)	8 mA (Note 7)
		White	21 mA	12 mA	12 mA (Note 6)		12 mA (Note 6)					
		Green, pure white, yellow	12 mA	12 mA	11 mA (Note 6)		11 mA (Note 6)					
		Blue	12 mA	12 mA	11 mA (Note 6)		11 mA (Note 6)			6 mA (Note 7)	7 mA (Note 7)	7 mA (Note 7)
	Illumination Color (code)	Amber (A), blue (S), green (G), red (R), pure white (PW), yellow (Y) (Note 5)			Red (R)/green (G)	Amber (A), blue (S), green (G), pure white (PW), red (R), yellow (Y)			Amber (A), blue (S), green (G), pure white (PW), red (R)			
Base	Plug-in unit type							SX6S/8				
LED Life (reference)	Approx. 50,000 hours (when used on complete DC, luminance reduces to 50% of the initial intensity)											
Part No.	SLDN-36M-*	SLDN-31M-*	SLDN-32M-*	SLDN-32MW-RG	SLDN-32M-*			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 (Note 3)	—				0.5 ±0.2 sec	—			—			
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 4)	-20 to +40°C				-10 to +40°C	-20 to +40°C	-10 to +40°C	-20 to +40°C	-20 to +40°C			
Storage Temperature	-25 to +60°C (no freezing)											
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 23).

Note 3: Duty 1:1. Multiple flasher type units do not synchronize with each other. Use Type F only.

Note 4: No freezing

Note 5: Blue and pure white LED is 24V AC/DC only.

Note 6: Spot illumination uses the spot illumination LED unit (SLCN-32ST-). See page 26 for rated current.

Note 7: Rated current for DC. See page 26 for AC.

Note 8: Use pure white LED lamp for yellow (Y) illumination.

Illumination Face		Type F (Note 9) (Basic)	Type C (Split-window)	Type H / Type H2 (Note 11)	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 (Note 10)	12 × 27 × 1.0	27 × 57 × 1.0 (Note 11)	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 (Note 11)	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, Check terminal: M3						
Degree of Protection	IP40 (IEC 60529)						
Pollution Degree	3						

• Spot illumination uses designated clear plate and color screen.

Note 9: Flasher type, pure white illumination, and spot illumination types are available in Type F only.

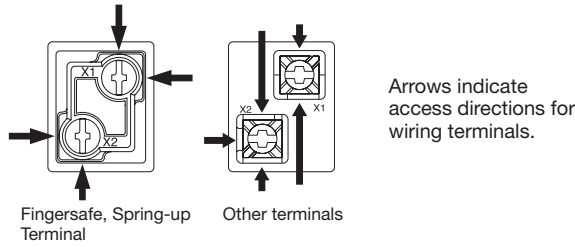
Note 10: スポット照明タイプは専用透明板・色板となります。

Note 11: 2-way split type (Type H2) can use 2-way split color screen only.

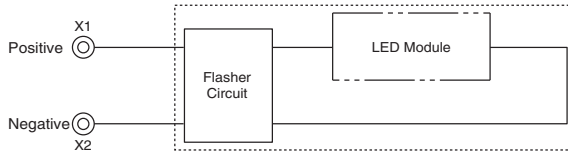
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Terminal Connection

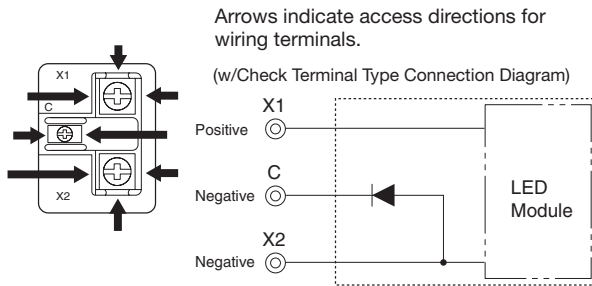
- For one-color full with check terminal, DC-DC converter, and resistor, Terminals X1 and X2 are positive and negative poles, respectively.



(Flasher Type Connection Diagram)

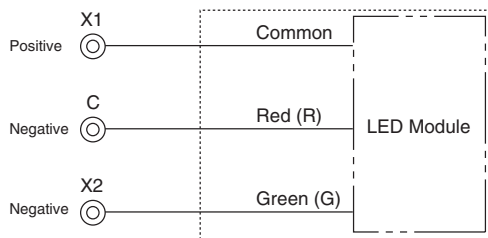


- For w/check terminal and two-color alternate units, terminal X1 is a positive pole; Terminals X2 and C (check terminal) are negative poles.

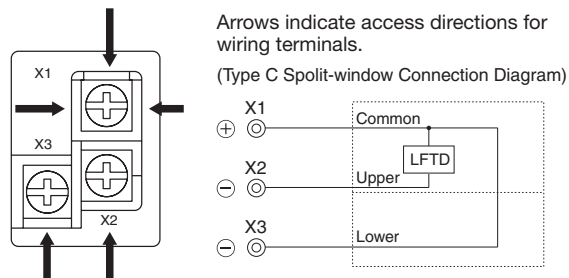


- Connection for two-color alternate is as follows.
Red (R) — Terminal X1: positive, Terminal C: negative
Green (G) — Terminal X1: positive, Terminal X2: negative

(Two-color alternate Type Connection Diagram)



- For the split-window (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. (AC/DC, except for LFTD-5*)



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
Fingersafe, Spring-up Terminal (Note 1)	SLCN-JP34 SLCN-JP35	SLCN-JP34 SLCN-JP35	—
Others	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).

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

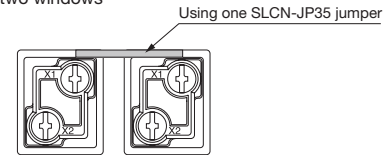
Direction	<ul style="list-style-type: none"> When using Type C only When using Type C and Two-color alternate
Vertical	SLC-JP33
Horizontal	SLC-JP30

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

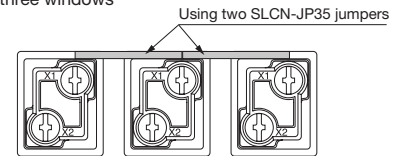
[Examples of Using Jumpers]

Fingersafe Spring-up Terminal)

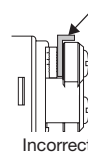
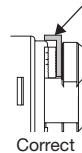
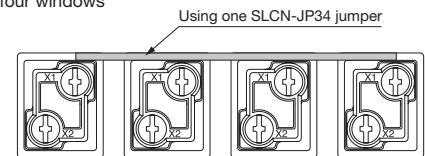
When connecting two windows



When connecting three windows



When connecting four windows



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