

Stacklights—SL Series

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Product Description

The new Eaton SL7 and SL4 stacklights provide reliable control over all key processes and machine availability. Now available in two sizes, 70 mm (SL7) and 40 mm (SL4), the new stacklights are engineered to keep you informed about potential material requirements, downtime and hazards. Modules are available in a wide selection of audible, illuminating and mounting options that are well suited to adapt to any industrial application.

Highly Modular and Versatile Line

- Easily configurable components
- Simple bayonet mounting mechanism for quick assembly
- Flexible mounting and lighting options
- Volume-adjustable alarms

Optimal Performance in Rugged Applications

- All elements have IP66 and UL Type 4/4X/13 ratings for protection against strong jets of water
- Bright and efficient LEDs with a lifespan of up to 100,000 hours
- High-performance LEDs for maximum illumination in direct sunlight
- Acoustic modules with up to 100 dB sound levels
- Operating temperatures: –22° to +140°F (–30° to +60°C)

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Features

- Six lens colors: red, amber, yellow, green, blue, white
- Continuous, flashing, strobe and multi-strobe lighting functions
- Mono-tone, dual-tone and multi-tone audible alarms
- LED or incandescent lighting options
- Control up to five modules on a single stack, 10 with dual-arm base
- 12V, 120 Vac and 230 Vac operating voltages

Benefits

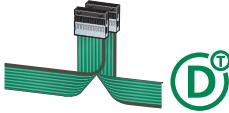
- Simplified twist-and-lock assembly, no tools required
- Compact components reduce inventory requirements and increase flexibility
- Versatile hardware for quick installation and minimized downtime
- New slim 40 mm size is ideal for applications with constrained space
- Lean automation with SmartWire-DT connectivity
- Ideal for indoor and outdoor usage

Standards and Certifications

- UL 508—File No. E29184
- IEC/EN 60947-5-1
- CSA C22.2 No. 14-10
- CSA C22.2 No. 94-91
- CSA Class No. NKCR7



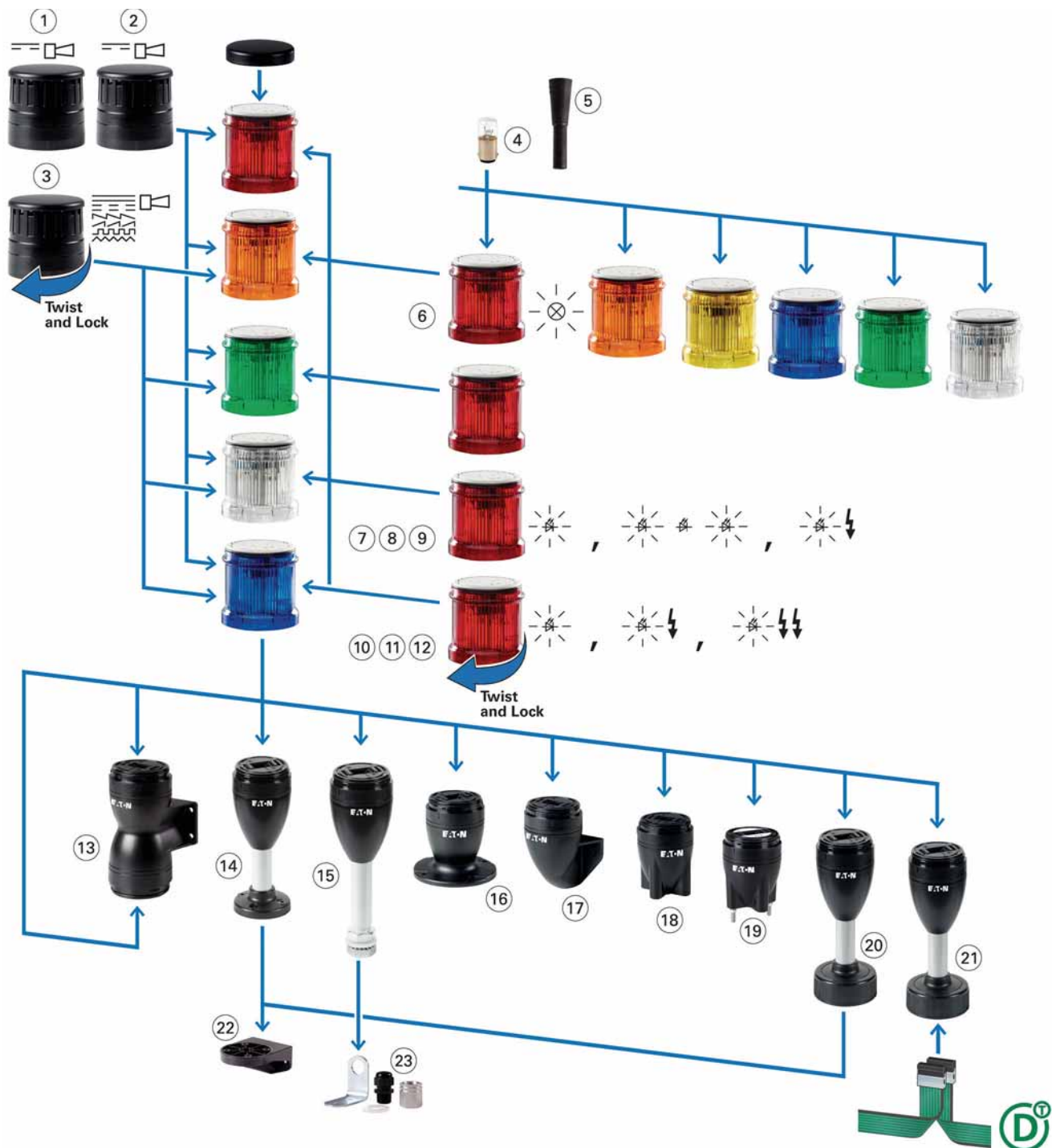
Product Overview

	SL7	SL4
Diameter	70 mm	40 mm
		
Acoustic Modules	Page V7-T2-9	Page V7-T2-16
		
Light Modules	Continuous light, LED: Page V7-T2-6 Flashing light, LED: Page V7-T2-7 Strobe light, LED: Page V7-T2-7 Continuous light, high-performance LED: Page V7-T2-8 Strobe light, high-performance LED: Page V7-T2-8 Multi-strobe light, high-performance LED: Page V7-T2-8 Continuous light, Incandescent: Page V7-T2-8	Continuous light, LED: Page V7-T2-16 Flashing light, LED: Page V7-T2-15 Strobe light, LED: Page V7-T2-15 Multi-strobe light, LED: Page V7-T2-17 Continuous light, Incandescent: Page V7-T2-17
	 	
Base Modules	Page V7-T2-10, V7-T2-11	Page V7-T2-17
Accessories	Page V7-T2-19	Page V7-T2-19

Component Identification—SL7

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Component Identification



Light Modes

	Continuous	Flashing	Strobe	Multi-Strobe
Incandescent		—	—	—
LED				

SL7—Component Identification Descriptions

Item	Item Number	Description	Page Reference
Acoustic Modules			
Easy mounting with bayonet mount, place at highest position Sound pressure up to 100 dB, adjustable with internal potentiometer Operating mode: 100% DF (duty factor) Degree of protection: UL Type 4/4X/13, IP66 Operational voltages: 24 Vac/Vdc, 110/120 Vac, 230/240 Vac	1	Continuous tone or pulsed tone, adjustable with internal DIP switches Frequency: 2800 Hz	V7-T2-9
	2	Continuous tone or pulsed tone; can be actuated externally; takes up to two inputs (two modules) Frequency: 2800 Hz	V7-T2-9
	3	Multi-tone (eight tones) adjustable with internal DIP switch Frequency 500–2700 Hz	V7-T2-9
Incandescent Bulb	4	Accessory	V7-T2-19
Tool for Replacing Incandescent Bulb	5	Accessory	V7-T2-19
Light Modules			
Easy mounting with bayonet mount, modules can be arranged in any order Operating mode: 100% DF (duty factor) Degree of protection: UL Type 4/4X/13, IP66 Max. 5 modules per stack or up to 10 via dual-arm base option			
Light Module for Incandescent Bulb			
Continuous light	6	BA15d socket, without incandescent bulb	V7-T2-7
Light Modules with LED			
Continuous light	7		V7-T2-6
Flashing light	8	Flashing frequency: 2 Hz	V7-T2-7
Strobe light	9	Flashing frequency: 1.4 Hz	V7-T2-7
Light Modules with High-Output LED			
Continuous light	10		V7-T2-8
Strobe light	11	High-performance LED, flashing frequency: 1.4 Hz	V7-T2-8
Strobe light, multi-strobe light	12	High-performance LED, with various strobe sequences Flashing frequency: 1–2.6 Hz	V7-T2-8
Base Modules			
Easy mounting with bayonet mount, includes cover plate, with spring-cage terminals Degree of protection: UL Type 4/4X/13, IP66			
Base for mounting on both sides	13	Max. 2 x 5 modules that can be actuated individually	V7-T2-11
Base with aluminum tube and plastic foot	14	Aluminum tube 100 mm, 250 mm or 400 mm	V7-T2-10
Base with aluminum tube and threaded 1/2 in NPT	15	Aluminum tube 100 mm, 250 mm or 400 mm	V7-T2-10
Base with external fixing holes	16	—	V7-T2-10
Vertical base with bracket	17	—	V7-T2-11
Base with internal (on the inside) fixing holes	18	—	V7-T2-10
Base with built-in fixing screws (pre-assembled)	19	—	V7-T2-10
Base with base adapter for slipping onto place (rapid mounting and wiring system)	20	Aluminum tube 100 mm, 250 mm or 400 mm	V7-T2-10
Base with base adapter for slipping onto place (rapid mounting and wiring system) and SmartWire-DT™ connection	21	Aluminum tube 100 mm	V7-T2-10
Mounting Bracket			
Bracket	22	Accessory	V7-T2-19
Bracket	23	Accessory, includes M20 cable gland	V7-T2-19

Product Selection—SL7

Complete Devices

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SL7-100-L-R_



Continuous Light, LED, UL Type 4/4X/13, IP66

Rated Operational Voltage (U _o V)	Number of Modules	Color	Function	Standard Pack	Catalog Number
Base Module with Foot and 100 mm Tube					
24 Vac/Vdc	2	Red/Green		1	SL7-100-L-RG-24LED
	3	Red/Amber/Green			SL7-100-L-RAG-24LED

Light Module with LED

SL7-L_



Continuous Light, UL Type 4/4X/13, IP66

Rated Operational Voltage (U _o V)	Color	Function	Standard Pack	Catalog Number
24 Vac/Vdc	Blue		1	SL7-L24-B
	Green			SL7-L24-G
	Red			SL7-L24-R
	White			SL7-L24-W
	Yellow			SL7-L24-Y
	Amber			SL7-L24-A
110/120 Vac	Blue		1	SL7-L120-B
	Green			SL7-L120-G
	Red			SL7-L120-R
	White			SL7-L120-W
	Yellow			SL7-L120-Y
	Amber			SL7-L120-A
230/240 Vac	Blue		1	SL7-L230-B
	Green			SL7-L230-G
	Red			SL7-L230-R
	White			SL7-L230-W
	Yellow			SL7-L230-Y
	Amber			SL7-L230-A

Light Module with LED, continued

SL7-BL_

Flashing Light, UL Type 4/4X/13, IP66, 2 Hz



Rated Operational Voltage (U _e V)	Color	Function	Standard Pack	Catalog Number
24 Vac/Vdc	Blue		1	SL7-BL24-B
	Green			SL7-BL24-G
	Red			SL7-BL24-R
	White			SL7-BL24-W
	Yellow			SL7-BL24-Y
	Amber			SL7-BL24-A
110/120 Vac	Blue		1	SL7-BL120-B
	Green			SL7-BL120-G
	Red			SL7-BL120-R
	White			SL7-BL120-W
	Yellow			SL7-BL120-Y
	Amber			SL7-BL120-A
230/240 Vac	Blue		1	SL7-BL230-B
	Green			SL7-BL230-G
	Red			SL7-BL230-R
	White			SL7-BL230-W
	Yellow			SL7-BL230-Y
	Amber			SL7-BL230-A

SL7-FL_

Strobe Light, UL Type 4/4X/13, IP66, 1.4 Hz



Rated Operational Voltage (U _e V)	Color	Function	Standard Pack	Catalog Number
24 Vac/Vdc	Blue		1	SL7-FL24-B
	Green			SL7-FL24-G
	Red			SL7-FL24-R
	White			SL7-FL24-W
	Yellow			SL7-FL24-Y
	Amber			SL7-FL24-A
110/120 Vac	Blue		1	SL7-FL120-B
	Green			SL7-FL120-G
	Red			SL7-FL120-R
	White			SL7-FL120-W
	Yellow			SL7-FL120-Y
	Amber			SL7-FL120-A
230/240 Vac	Blue		1	SL7-FL230-B
	Green			SL7-FL230-G
	Red			SL7-FL230-R
	White			SL7-FL230-W
	Yellow			SL7-FL230-Y
	Amber			SL7-FL230-A

SL7 Light Module with High-Output LED

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SL7-L24-__

Continuous Light, UL Type 4/4X/13, IP66



Rated Operational Voltage (U ₀ V)	Color	Function	Standard Pack	Catalog Number
High-Performance LED for Maximum Signaling Effect				
24 Vac/Vdc	Blue		1	SL7-L24-B-HP
	Green			SL7-L24-G-HP
	Red			SL7-L24-R-HP
	White			SL7-L24-W-HP
	Yellow			SL7-L24-Y-HP
	Amber			SL7-L24-A-HP

SL7-FL24-__-HP

Strobe Light, UL Type 4/4X/13, IP66



Rated Operational Voltage (U ₀ V)	Color	Function	Standard Pack	Catalog Number
High-Performance LED for Maximum Signaling Effect, 1.4 Hz				
24 Vac/Vdc	Blue		1	SL7-FL24-B-HP
	Green			SL7-FL24-G-HP
	Red			SL7-FL24-R-HP
	White			SL7-FL24-W-HP
	Yellow			SL7-FL24-Y-HP
	Amber			SL7-FL24-A-HP

SL7-FL24-__-HPM

Multi-Strobe Light, UL Type 4/4X/13, IP66



Rated Operational Voltage (U ₀ V)	Color	Function	Standard Pack	Catalog Number
High-Performance LED for Maximum Signaling Effect, 1–2.6 Hz				
24 Vac/Vdc	Blue		1	SL7-FL24-B-HPM
	Green			SL7-FL24-G-HPM
	Red			SL7-FL24-R-HPM
	White			SL7-FL24-W-HPM
	Yellow			SL7-FL24-Y-HPM
	Amber			SL7-FL24-A-HPM

SL7 Light Module for Incandescent Bulb

SL7-L-__

Continuous Light, UL Type 4/4X/13, IP66

For incandescent bulb selection, see **Page V7-T2-19**.

Rated Operational Voltage (U ₀ V)	Color	Function	Standard Pack	Catalog Number
Without Light Elements, Incandescent Bulb, Maximum 7W				
<250 Vac/Vdc	Blue		1	SL7-L-B
	Green			SL7-L-G
	Red			SL7-L-R
	White			SL7-L-W
	Yellow			SL7-L-Y
	Amber			SL7-L-A

SL7 Acoustic Modules

SL7-AP_

**Continuous Tone or Pulsed Tone, UL Type 4/4X/13, IP66** ^①

Adjustable with internal DIP switches.

Sound pressure 100 dB, adjustable with internal potentiometer.
f = 2800 Hz.

Rated Operational Voltage (U _e V)	Rated Operational Current (I _e mA)	Color	Function	Sound Type	Standard Pack	Catalog Number
24 Vac/Vdc	Maximum 92	Black			1	SL7-AP24
110/120 Vac	Maximum 41	Black				SL7-AP120
230/240 Vac	Maximum 43	Black				SL7-AP230

SL7-AP_-E

**Continuous Tone or Pulsed Tone, External Actuation, UL Type 4/4X/13, IP66** ^①

Assigned two inputs (two modules).

Sound pressure 100 dB, adjustable with internal potentiometer.
f = 2800 Hz.

Rated Operational Voltage (U _e V)	Rated Operational Current (I _e mA)	Color	Function	Sound Type	Standard Pack	Catalog Number
24 Vac/Vdc	Maximum 92	Black			1	SL7-AP24-E
110/120 Vac	Maximum 41	Black				SL7-AP120-E
230/240 Vac	Maximum 43	Black				SL7-AP230-E

SL7-AP_-M

**Multi-Tone; Eight Tones, UL Type 4/4X/13, IP66** ^①

Adjustable with internal DIP switch.

Sound pressure 100 dB, adjustable with internal potentiometer.
f = 500–2700 Hz.

Rated Operational Voltage (U _e V)	Rated Operational Current (I _e mA)	Color	Function	Sound Type	Standard Pack	Catalog Number
24 Vac/Vdc	Maximum 115	Black			1	SL7-AP24-M
110/120 Vac	Maximum 45	Black				SL7-AP120-M
230/240 Vac	Maximum 43	Black				SL7-AP230-M

Note^① Place only at the highest position on a pole.

SL7 Base Modules

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For Horizontal Mounting—Includes Cover, Maximum 5 Modules

	Description	Tube Length	Color	Standard Pack	For use with ...	Catalog Number
SL7-CB-__ 	Base with aluminum tube and plastic foot Spring-loaded terminals	100 mm	Black	1	SL7-L-...	SL7-CB-100
		250 mm	aluminum		SL7-BL-...	SL7-CB-250
			color tube		SL7-FL-...	
		400 mm			SL7-AP-...	SL7-CB-400
SL7-CB-T-__ 	Base with aluminum tube and 3/4 in NPT threaded base Spring-loaded terminals	100 mm	Black	1	SL7-L-...	SL7-CB-T-100
		250 mm	aluminum		SL7-BL-...	SL7-CB-T-250
			color tube		SL7-FL-...	
		400 mm			SL7-AP-...	SL7-CB-T-400
SL7-CB-IMH 	Base with internal (on the inside) fixing holes Spring-loaded terminals	—	Black	1	SL7-L-... SL7-BL-... SL7-FL-... SL7-AP-...	SL7-CB-IMH
SL7-CB-IMS 	Base with built-in (pre-assembled) fixing screws Spring-loaded terminals	—	Black	1	SL7-L-... SL7-BL-... SL7-FL-... SL7-AP-...	SL7-CB-IMS
SL7-CB-EMH 	Base with external fixing holes Spring-loaded terminals	—	Black	1	SL7-L-... SL7-BL-... SL7-FL-... SL7-AP-...	SL7-CB-EMH

SL7 Base Modules, continued

For Horizontal Mounting—Includes Cover, Maximum 5 Modules, continued

	Description	Tube Length	Color	Standard Pack	For use with ...	Catalog Number
SL7-FMS_ 	Base with base adapter for slipping onto place (rapid mounting and wiring system) Screw terminals	100 mm	Black	1	SL7-L-...	SL7-FMS-100
		250 mm	aluminum		SL7-BL-...	SL7-FMS-250
			color tube		SL7-FL-...	
		400 mm			SL7-AP-...	SL7-FMS-400
SL7-SWD  	Base with base adapter for slipping onto place (rapid mounting and wiring system) Blade terminal SWD4-8MF2 Maximum 0.3A per module External power supply connectable (24 Vdc) Configurable with SWD-Assist (planning and ordering help)	100 mm	—	1	SL7-L-...	SL7-SWD
					SL7-BL-...	
					SL7-FL-...	
					SL7-AP-...	

SL7-CB-FW

For Vertical Mounting—Includes Cover, Maximum 5 Modules



Description	Color	Standard Pack	For use with ...	Catalog Number
Vertical base with bracket Spring-loaded terminals	Black	1	SL7-L-... SL7-BL-... SL7-FL-... SL7-AP-...	SL7-CB-FW

SL7-CB-D

For Mounting on Both Sides—Includes Cover, Maximum 2 x 5 Modules

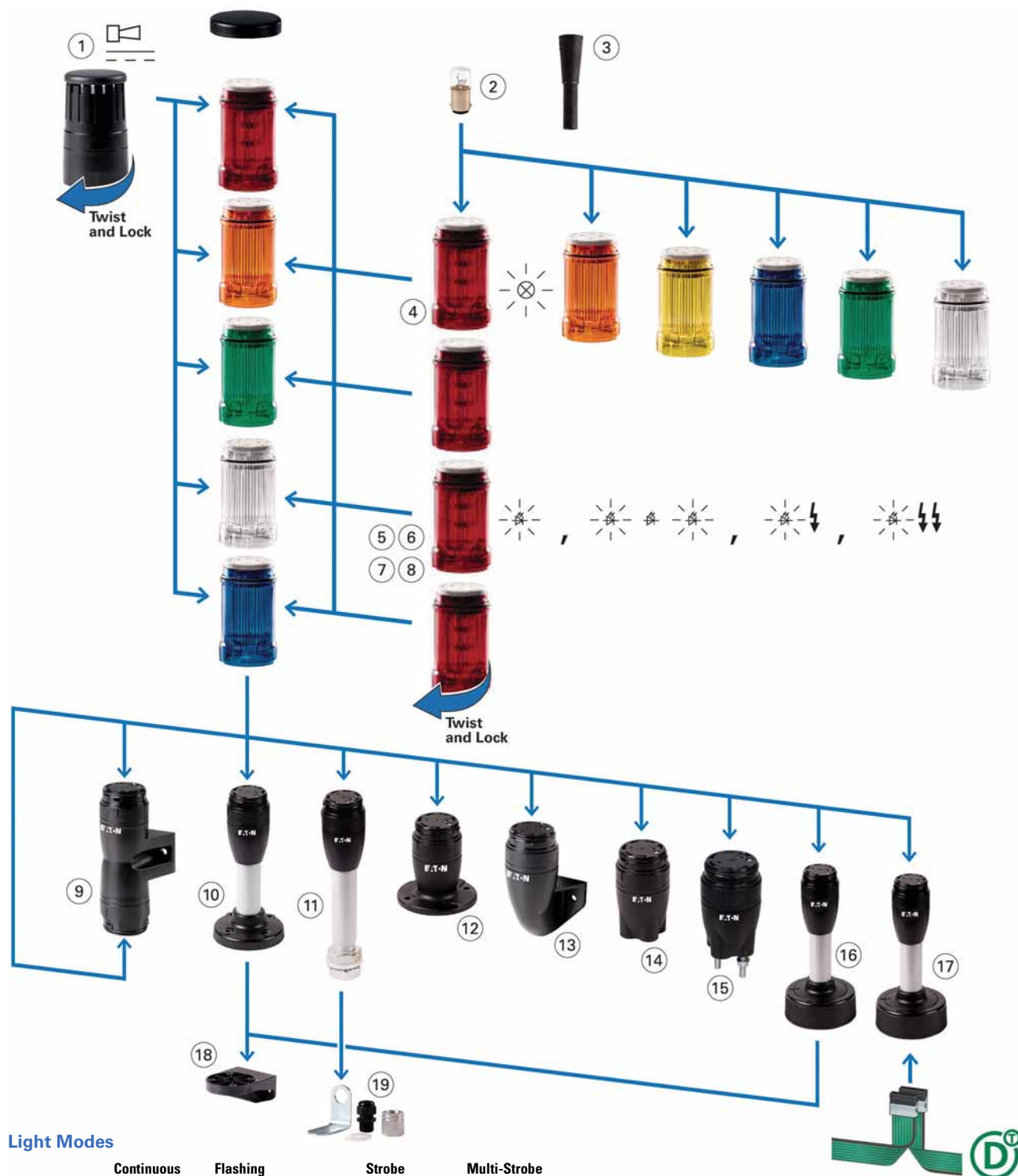


Description	Color	Standard Pack	For use with ...	Catalog Number
Base with external fixing holes Spring-loaded terminals	Black	1	SL7-L-... SL7-BL-... SL7-FL-... SL7-AP-...	SL7-CB-D

Component Identification—SL4

Component Identification

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SL4—Component Identification Descriptions

Item	Item Number	Description	Page Reference
Acoustic Modules			
Sound pressure 80 dB, adjustable with internal potentiometer, frequency 4000 Hz Easy mounting with bayonet mount, set up as highest module Permanently integrated cover plate Operating mode: 100% DF (duty factor) Degree of protection: UL Type 4/4X/13, IP66	1	Continuous tone or pulsed tone, adjustable with internal DIP switches Frequency: 2800 Hz	V7-T2-16
Incandescent Bulb	2	Accessory	V7-T2-19
Tool for Replacing Incandescent Bulb	3	Accessory	V7-T2-19
Light Modules			
Easy mounting with bayonet mount, modules can be arranged in any order Without light element (incandescent bulb with BA15d socket), easy mounting with bayonet mount. Operating mode: 100% DF (duty factor) Flashing frequency 2 Hz Degree of protection: UL Type 4/4X/13, IP66			
Light Module for Incandescent Bulb			
Continuous light	4	BA15d socket, without incandescent bulb	V7-T2-16
Light Modules with LED			
Continuous light	5		V7-T2-14
Flashing light	6	Flashing frequency: 2 Hz	V7-T2-15
Strobe light	7	Flashing frequency: 1.4 Hz	V7-T2-15
Strobe light, multi-strobe light	8	High-performance LED, with various strobe sequences Flashing frequency: 1–2.6 Hz	V7-T2-16
Base Modules			
Easy mounting with bayonet mount, includes cover plate, with spring-cage terminals Degree of protection: UL Type 4/4X/13, IP66			
Base for mounting on both sides	9	Max. 2 x 5 modules that can be actuated individually	V7-T2-17
Base with aluminum tube and plastic foot	10	Aluminum tube 100 mm, 250 mm or 400 mm	V7-T2-17
Base with aluminum tube and threaded 1/2 in NPT	11	Aluminum tube 100 mm, 250 mm or 400 mm	V7-T2-17
Base with external fixing holes	12	—	V7-T2-17
Vertical base with bracket	13	—	V7-T2-17
Base with internal (on the inside) fixing holes	14	—	V7-T2-17
Base with built-in fixing screws (pre-assembled)	15	—	V7-T2-17
Base with base adapter for slipping onto place (rapid mounting and wiring system)	16	Aluminum tube 100 mm, 250 mm or 400 mm	V7-T2-17
Base with base adapter for slipping onto place (rapid mounting and wiring system) and SmartWire-DT™ connection	17	Aluminum tube 100 mm	V7-T2-17
Mounting Bracket			
Bracket	18	Accessory	V7-T2-19
Bracket	19	Accessory, includes M20 cable gland	V7-T2-19

Product Selection—SL4

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Complete Devices

SL4-100-L-R_



Continuous Light, LED, UL Type 4/4X/13, IP66

Rated Operational Voltage (U _o V)	Number of Modules	Color	Function	Standard Pack	Catalog Number
Base Module with Foot and 100 mm Tube					
24 Vac/Vdc	2	Red/Green		1	SL4-100-L-RG-24LED
	3	Red/Amber/Green			SL4-100-L-RAG-24LED

Light Module with LED

SL4-L_



Continuous Light, UL Type 4/4X/13, IP66

Rated Operational Voltage (U _o V)	Color	Function	Standard Pack	Catalog Number
24 Vac/Vdc	Blue		1	SL4-L24-B
	Green			SL4-L24-G
	Red			SL4-L24-R
	White			SL4-L24-W
	Yellow			SL4-L24-Y
	Amber			SL4-L24-A
110/120 Vac	Blue		1	SL4-L120-B
	Green			SL4-L120-G
	Red			SL4-L120-R
	White			SL4-L120-W
	Yellow			SL4-L120-Y
	Amber			SL4-L120-A
230/240 Vac	Blue		1	SL4-L230-B
	Green			SL4-L230-G
	Red			SL4-L230-R
	White			SL4-L230-W
	Yellow			SL4-L230-Y
	Amber			SL4-L230-A

Light Module with LED, continued

SL4-BL_

Flashing Light, UL Type 4/4X/13, IP66, 2 Hz



Rated Operational Voltage (U _e V)	Color	Function	Standard Pack	Catalog Number
24 Vac/Vdc	Blue		1	SL4-BL24-B
	Green			SL4-BL24-G
	Red			SL4-BL24-R
	White			SL4-BL24-W
	Yellow			SL4-BL24-Y
	Amber			SL4-BL24-A
110/120 Vac	Blue		1	SL4-BL120-B
	Green			SL4-BL120-G
	Red			SL4-BL120-R
	White			SL4-BL120-W
	Yellow			SL4-BL120-Y
	Amber			SL4-BL120-A
230/240 Vac	Blue		1	SL4-BL230-B
	Green			SL4-BL230-G
	Red			SL4-BL230-R
	White			SL4-BL230-W
	Yellow			SL4-BL230-Y
	Amber			SL4-BL230-A

SL4-FL_

Strobe Light, UL Type 4/4X/13, IP66, 1.4 Hz



Rated Operational Voltage (U _e V)	Color	Function	Standard Pack	Catalog Number
24 Vac/Vdc	Blue		1	SL4-FL24-B
	Green			SL4-FL24-G
	Red			SL4-FL24-R
	White			SL4-FL24-W
	Yellow			SL4-FL24-Y
	Amber			SL4-FL24-A
110/120 Vac	Blue		1	SL4-FL120-B
	Green			SL4-FL120-G
	Red			SL4-FL120-R
	White			SL4-FL120-W
	Yellow			SL4-FL120-Y
	Amber			SL4-FL120-A
230/240 Vac	Blue		1	SL4-FL230-B
	Green			SL4-FL230-G
	Red			SL4-FL230-R
	White			SL4-FL230-W
	Yellow			SL4-FL230-Y
	Amber			SL4-FL230-A

Light Module with LED, continued

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SL4-FL24-_-M



Multi-Strobe Light, UL Type 4/4X/13, IP66

Rated Operational Voltage (U _e V)	Color	Function	Standard Pack	Catalog Number
LED for Effective Signaling Effect With Various Strobe Sequences, 1–2.6 Hz				
24 Vac/Vdc	Blue		1	SL4-FL24-B-M
	Green			SL4-FL24-G-M
	Red			SL4-FL24-R-M
	White			SL4-FL24-W-M
	Yellow			SL4-FL24-Y-M
	Amber			SL4-FL24-A-M

SL4 Light Module for Incandescent Bulb

SL4-L-_-



Continuous Light, UL Type 4/4X/13, IP66

For incandescent bulb selection, see **Page V7-T2-19**.

Rated Operational Voltage (U _e V)	Color	Function	Standard Pack	Catalog Number
Without Light Elements, Incandescent Bulb, Maximum 4W				
<250 Vac/Vdc	Blue		1	SL4-L-B
	Green			SL4-L-G
	Red			SL4-L-R
	White			SL4-L-W
	Yellow			SL4-L-Y
	Amber			SL4-L-A

SL4 Acoustic Modules

SL4-AP_-



Continuous Tone or Pulsed Tone, UL Type 4/4X/13, IP66

Adjustable with internal DIP switches.

Sound pressure 80 dB, adjustable with internal potentiometer.

f = 4000 Hz.

Rated Operational Voltage (U _e V)	Rated Operational Current (I _e mA)	Color	Function	Sound Type	Standard Pack	Catalog Number
Place only at the highest position on a pole.						
24 Vac/Vdc	Maximum 39	Black			1	SL4-AP24
110/120 Vac	Maximum 21	Black				SL4-AP120
230/240 Vac	Maximum 21	Black				SL4-AP230

SL4 Base Modules

For Horizontal Mounting—Includes Cover, Maximum 5 Modules

	Description	Tube Length	Color	Standard Pack	For use with ...	Catalog Number
 SL4-PIB-_ _	Base with aluminum tube and plastic foot Spring-loaded terminals	100 mm	Black	1	SL4-L-...	SL4-PIB-100
		250 mm	aluminum		SL4-BL-...	SL4-PIB-250
			color tube		SL4-FL-...	
		400 mm			SL4-AP-...	SL4-PIB-400
 SL4-PIB-T-_ _	Base with aluminum tube and 3/4 in NPT threaded base Spring-loaded terminals	100 mm	Black	1	SL4-L-...	SL4-PIB-T-100
		250 mm	aluminum		SL4-BL-...	SL4-PIB-T-250
			color tube		SL4-FL-...	
		400 mm			SL4-AP-...	SL4-PIB-T-400
 SL4-PIB-IMH	Base with internal (on the inside) fixing holes Spring-loaded terminals	—	Black	1	SL4-L-... SL4-BL-... SL4-FL-... SL4-AP-...	SL4-PIB-IMH
 SL4-PIB-IMS	Base with built-in (pre-assembled) fixing screws Spring-loaded terminals	—	Black	1	SL4-L-... SL4-BL-... SL4-FL-... SL4-AP-...	SL4-PIB-IMS
 SL4-PIB-EMH	Base with external fixing holes Spring-loaded terminals	—	Black	1	SL4-L-... SL4-BL-... SL4-FL-... SL4-AP-...	SL4-PIB-EMH

SL4 Base Modules, continued

2

For Horizontal Mounting—Includes Cover, Maximum 5 Modules, continued

	Description	Tube Length	Color	Standard Pack	For use with ...	Catalog Number
SL4-FMS_ 	Base with base adapter for slipping onto place (rapid mounting and wiring system) Screw terminals	100 mm	Black	1	SL4-L-...	SL4-FMS-100
		250 mm	aluminum		SL4-BL-...	SL4-FMS-250
			color tube		SL4-FL-...	
		400 mm			SL4-AP-...	SL4-FMS-400
SL4-SWD  	Base with base adapter for slipping onto place (rapid mounting and wiring system) Blade terminal SWD4-8MF2 Maximum 0.3A per module External power supply connectable (24 Vdc) Configurable with SWD-Assist (planning and ordering help)	100 mm	—	1	SL4-L-... SL4-BL-... SL4-FL-... SL4-AP-...	SL4-SWD

SL4-PIB-FW

For Vertical Mounting—Includes Cover, Maximum 5 Modules



Description	Color	Standard Pack	For use with ...	Catalog Number
One-sided base with bracket Spring-loaded terminals	Black	1	SL4-L-... SL4-BL-... SL4-FL-... SL4-AP-...	SL4-PIB-FW

SL4-PIB-D

For Mounting on Both Sides—Includes Cover, Maximum 2 x 5 Modules



Description	Color	Standard Pack	For use with ...	Catalog Number
Base with external fixing holes Spring-loaded terminals	Black	1	SL4-L-... SL4-BL-... SL4-FL-... SL4-AP-...	SL4-PIB-D

Accessories

SL7 and SL4 Series

Mounting Brackets

SL7/4-FW



Mounting Brackets for Vertical Mounting, Plastic

Standard Pack	For Use With ...	Catalog Number
1	SL4-PIB-... SL7-CB-...	SL7/4-FW

SL7/4-FW-T



M20 Cable Gland for Vertical Mounting, Metal (Includes Mounting Bracket)

Standard Pack	For Use With ...	Catalog Number
1	SL4-PIB-T-... SL7-CB-T-...	SL7/4-FW-T

Incandescent Bulb Tool

SL7/4-BET



Tool for Replacing Incandescent Bulb

Standard Pack	For Use With ...	Catalog Number
1	SL7-L-... SL4-L-...	SL7/4-BET

Incandescent Bulbs

SL7 Series

SL7-L12



Incandescent Bulbs, Mounting: Ba15d

Lifespan (h)	Rated Operational Voltage (U _e V)	Power (Watts)	Standard Pack	For Use With ...	Catalog Number
3000	12	5	1	SL7-L-...	SL7-L12
	24	6.5			SL7-L24
	120	7			SL7-L120
	230	6.5			SL7-L230

SL4 Series

SL4-L12



Incandescent Bulbs, Mounting: Ba15d

Lifespan (h)	Rated Operational Voltage (U _e V)	Power (Watts)	Standard Pack	For Use With ...	Catalog Number
3000	12	4	1	SL4-L-...	SL4-L12
	24				SL4-L24
	120				SL4-L120
	230				SL4-L230

Technical Data and Specifications

2

SL7 Series

SL7 General Specifications

Description	Specification
Standards	IEC/EN 60947-5-1
Lens color	Blue, green, red, clear, yellow, amber
Number of signal elements	Max. 5 with standard base Max. 10 with base for mounting on both sides
Mechanical Ratings	
Shock (IEC 68-2-27)	11 ms, 15g
Vibration (IEC 68-2-6)	20 sweeps 10–150 Hz, 1g
Climate Conditions	
Climatic proofing	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60069-2-30
Operating temperature	–22° to +140°F (–30° to +60°C)
Storage temperature	–22° to +185°F (–30° to +85°C)
Environmental Ratings	
IEC degree of protection	UL Type 4/4X/13, IP66 IEC/EN 60529
Protection type UL	Type 4/4X/13
Materials	
Cover	Polycarbonate
Lenses	Polycarbonate
Stacklight base	Polycarbonate
Tubes	Aluminum
Terminal Capacity	
Solid or flexible conductor	0.13–2.5 mm ²
Flexible with ferrule with plastic collar	0.25–1.5 mm ² AWG 24–AWG 14
Contacts	
Rated impulse withstand voltage (U _{imp})	4000 Vac
Rated insulation voltage (U _i)	250V
Overvoltage category/pollution degree	III/3

SL7 Light Module Specifications

	Unit	SL7-L-...-...	SL7-BL-...-...	SL7-FL-...-...	SL7-L24-...-HP	SL7-FL24-...-HP	SL7-FL24-...-HPM	SL7-L-...
Type of light		Continuous light	Flashing light	Strobe light	Continuous light	Strobe light	Multi-strobe light	Continuous light
Light elements		LED	LED	LED	High-performance LED	High-performance LED	High-performance LED	Incandescent bulb (max. 7W)
Mounting		—	—	—	—	—	—	Ba15d
Flashing/strobe frequency		—	2 Hz	1.4 Hz	—	1.4 Hz	1–2.6 Hz	—
Transmission angle		360°	360°	360°	360°	360°	360°	360°
Leakage current	A	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Current-/power consumption								
24 Vac/Vdc	A	0.049–0.054	0.058	0.130–0.135	0.170–0.200	0.260–0.265	0.260–0.265	—
110/120 Vac	A	0.028–0.031	0.028–0.030	0.010	—	—	—	—
230/240 Vac	A	0.027–0.028	0.030–0.031	0.010	—	—	—	—
Power consumption		—	—	—	—	—	—	Max. 7W with the specified voltages
Voltage levels		24 Vac/Vdc ± 10% 110/120 Vac ± 10% 230/240 Vac ± 10%	24 Vac/Vdc ± 10% 110/120 Vac ± 10% 230/240 Vac ± 10%	24 Vac/Vdc ± 10% 110/120 Vac ± 10% 230/240 Vac ± 10%	18–30 Vdc/ 18–26 Vac	18–30 Vdc/ 18–26 Vac	18–30 Vdc/ 18–26 Vac	Up to 250 Vac/Vdc
Lifespan	h	100,000	100,000	100,000	50,000	50,000	50,000	3000
Weight	g	80	80	80	80	80	80	80

SL7 Acoustic Module Specifications

	Unit	SL7-AP...	SL7-AP...-E	SL7-AP...-M
Type of tone		Continuous or pulsed tone	Continuous or pulsed tone	Continuous or pulsed tone Eight types of sound
Types of sound		Two versions, table of sound types	Two versions, table of sound types	Eight versions, table of sound types
Sound setting		Internal; single-pole DIP	Can be externally actuated	Internal; three-pole DIP
Sound pressure	dB	Max.: 100 Min.: 88	Max.: 100 Min.: 88	Max.: 100 Min.: 88
Sound pressure level adjustment		Built-in, potentiometer	Built-in, potentiometer	Built-in, potentiometer
Transmission angle		360°	360°	360°
Current-/power consumption				
24 Vac/Vdc	A	0.092	0.092	0.115
110/120 Vac	A	0.041	0.041	0.045
230/240 Vac	A	0.043	0.043	0.043
Voltage levels		24 Vac/Vdc ± 10% 110/120 Vac ± 10% 230/240 Vac ± 10%	24 Vac/Vdc ± 10% 110/120 Vac ± 10% 230/240 Vac ± 10%	24 Vac/Vdc ± 10% 110/120 Vac ± 10% 230/240 Vac ± 10%
Weight	g	102	102	102

SL7 Table of Sound Types

	Sound Type	Frequency (Hz)	Diagram	Repeat Rate	DIP Switch Position	Maximum Volume at 1M (dB)
SL7-AP...	Continuous tone	Approx. 2800		—	—	100
	Pulsed tone	Approx. 2800		Approx. 2 Hz	—	100
SL7-AP...-E	Continuous tone	Approx. 2800		—	—	100
	Pulsed tone	Approx. 2800		Approx. 2 Hz	—	100
SL7-AP...-M	Continuous tone	2700		—	ON	Tone 01 100
	Continuous tone	1350		—	ON	Tone 02 100
	Pulsed tone	2700		250 ms on, 250 ms off	ON	Tone 03 100
	Pulsed tone	1350		250 ms on, 250 ms off	ON	Tone 04 100
	Falling	1200–500		1 Hz	ON	Tone 05 98
	Rising	500–1200		Rising 3s, 0.5s off	ON	Tone 06 98
	Alternating	800–1000		2 Hz	ON	Tone 07 94
	rising/falling	500–1500		10 Hz	ON	Tone 08 94

SL4 Series**SL4 General Specifications**

Description	Specification
Standards	IEC/EN 60947-5-1
Lens color	Blue, green, red, clear, yellow, orange
Number of signal elements	Max. 5 with standard base Max. 10 with base for mounting on both sides
Mounting position	As required
Mechanical Ratings	
Mechanical shock resistance	>15g according to IEC 60068-2-27 Shock duration 11 ms Sinusoidal
Climate Conditions	
Climatic proofing	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60069-2-30
Ambient temperature	−22°F to +140°F (−30°C to +60°C)
Environmental Ratings	
IEC degree of protection	UL Type 4/4X/13, IP66 IEC/EN 60529
Protection type UL	Type 4/4X/13
Materials	
Enclosure	Polycarbonate (PC), black
Cap	Polycarbonate (PC)
Terminal Capacity	
Solid or flexible conductor	0.2–1.5 mm ²
Solid or flexible conductor, with ferrule	0.25–1.5 mm ²
Flexible with ferrule with plastic collar	0.25–0.75 mm ² AWG 24–AWG 16
Contacts	
Rated impulse withstand voltage (U _{imp})	4000 Vac
Rated insulation voltage (U _i)	250V
Overvoltage category/pollution degree	III/3

SL4 Light Module Specifications

	Unit	SL4-L...-...	SL4-BL...-...	SL4-FL...-...	SL4-FL24...-M	SL4-L...
Type of light		Continuous light	Flashing light	Strobe light	Multi-strobe light	Continuous light
Light elements		LED	LED	LED	LED	Incandescent bulb (max. 4W)
Mounting		—	—	—	—	Ba15d
Flashing/strobe frequency		—	2 Hz	1.4 Hz	1–2.6 Hz	—
Transmission angle		360°	360°	360°	360°	360°
Leakage current	A	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Current/power consumption						
24 Vac/Vdc	A	0.022–0.033	0.028–0.036	0.035–0.065	0.048–0.068	—
110/120 Vac	A	0.030	0.030	0.10	—	—
230/240 Vac	A	0.030	0.030	0.10	—	—
Power consumption		—	—	—	—	Maximum 4W with the specified voltages
Voltage levels		24 Vac/Vdc ± 10% 110/120 Vac ± 10% 230/240 Vac ± 10%	24 Vac/Vdc ± 10% 110/120 Vac ± 10% 230/240 Vac ± 10%	24 Vac/Vdc ± 10% 110/120 Vac ± 10% 230/240 Vac ± 10%	24 Vac/Vdc ± 10%	Up to 250 Vac/Vdc
Lifespan	h	100,000	100,000	100,000	100,000	100,000
Weight	g	45	45	45	45	45

SL4 Acoustic Module Specifications

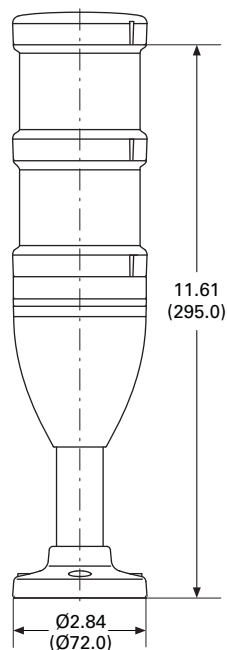
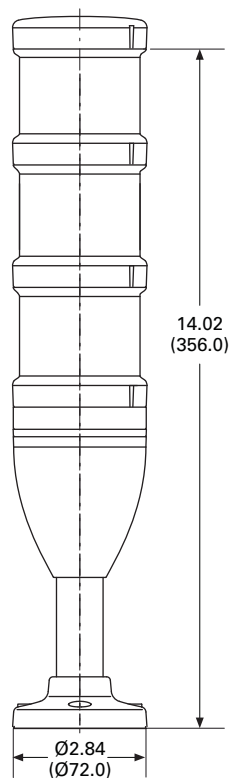
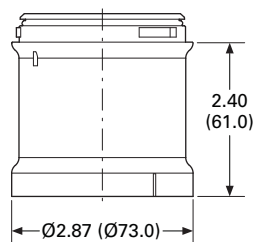
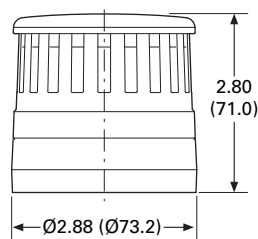
	Unit	SL4-AP...
Type of tone		Continuous or pulsed tone
Types of sound		Two versions, table of sound types
Sound setting		Internal; single-pole DIP
Sound pressure	dB	80
Sound pressure level adjustment		—
Sound pressure can be lowered to a minimum of		—
Transmission angle		360°
Current/power consumption		
24 Vac/Vdc	A	0.039
110/120 Vac	A	0.021
230/240 Vac	A	0.021
Voltage levels		24 Vac/Vdc ± 10% 110/120 Vac ± 10% 230/240 Vac ± 10%
Weight	g	43

SL4 Table of Sound Types

	Sound Type	Frequency (Hz)	Diagram	Repeat Rate	Maximum Volume at 1M (dB)
SL4-AP...	Continuous tone	Approx. 4000	—	—	80
	Pulsed tone	Approx. 4000	— — —	Approx. 2 Hz	80

Dimensions

Approximate Dimensions in Inches (mm)

SL7 Series**Complete Devices****SL7-100-L-RG-24LED****SL7-100-L-RYG-24LED****Light Modules****SL7-(B)(F)L...****Acoustic Modules****SL7-AP...**

2.1

Stacklights

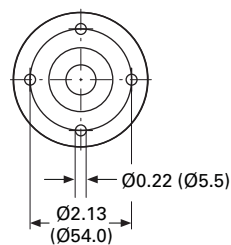
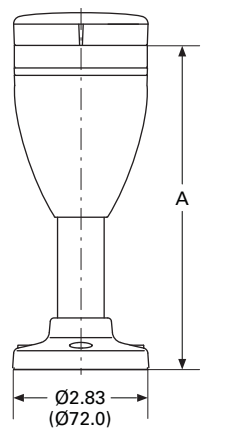
SL Series

Approximate Dimensions in Inches (mm)

2

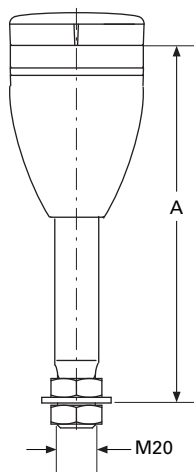
Basic Modules

SL7-CB-...



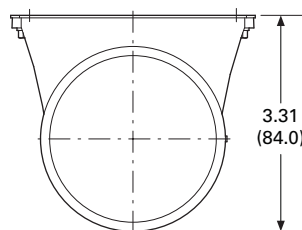
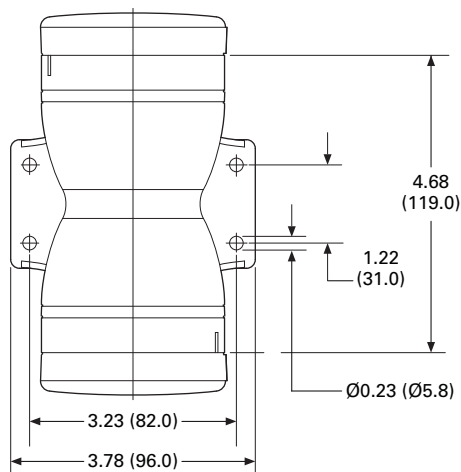
Catalog Number	A
SL7-CB-100	6.73 (171.0)
SL7-CB-250	12.64 (321.0)
SL7-CB-400	18.54 (471.0)

SL7-CB-T...

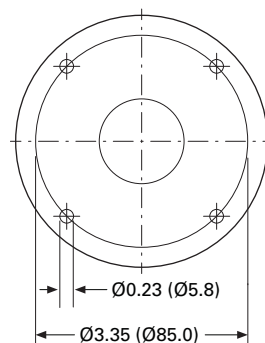
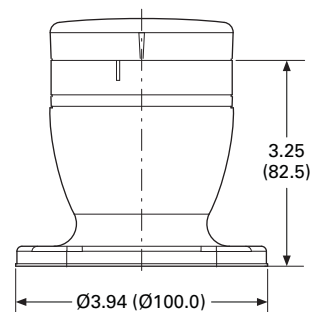


Catalog Number	A
SL7-CB-T-100	7.48 (190.0)
SL7-CB-T-250	13.38 (340.0)
SL7-CB-T-400	19.29 (490.0)

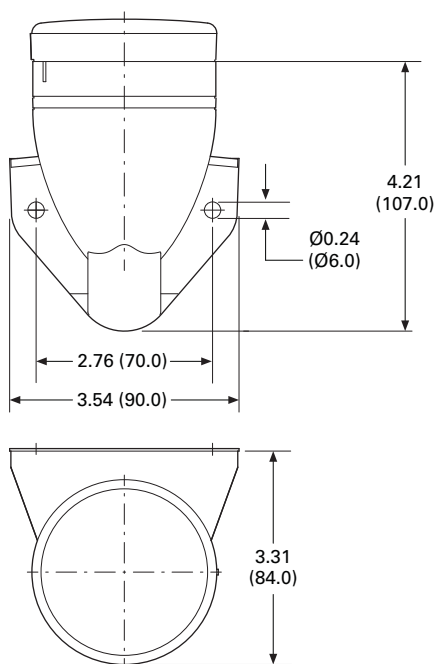
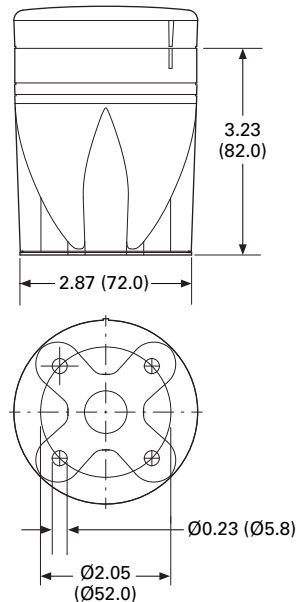
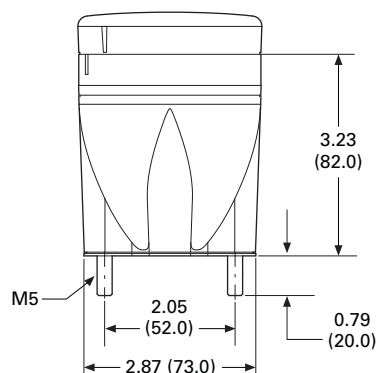
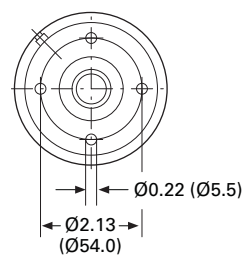
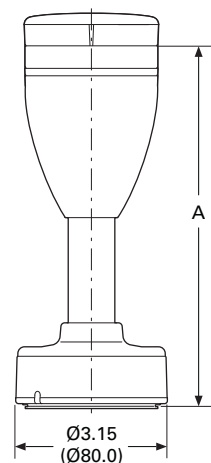
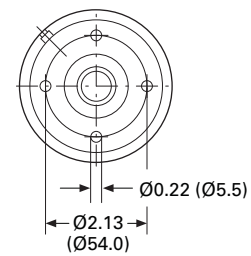
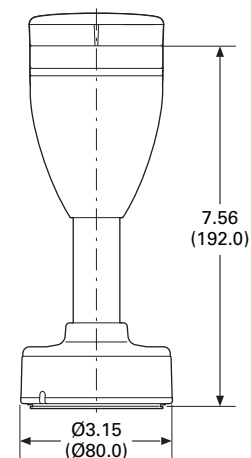
SL7-CB-D



SL7-CB-EMH



Approximate Dimensions in Inches (mm)

SL7-CB-FW**SL7-CB-IMH****SL7-CB-IMS****SL7-FMS-...****SL7-SWD^①**

Catalog Number	A
SL7-FMS-100	7.55 (192.0)
SL7-FMS-250	13.46 (342.0)
SL7-FMS-400	19.37 (192.0)

Note

① For connecting to SmartWire-DT.

2.1

Stacklights

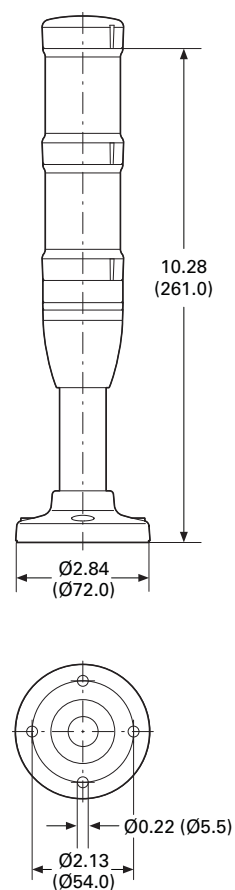
SL Series

Approximate Dimensions in Inches (mm)

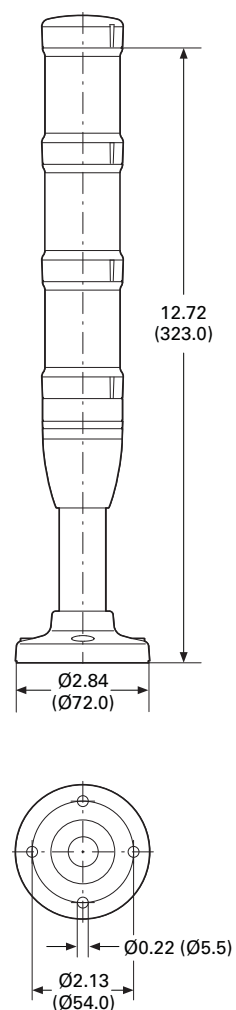
SL4 Series

Complete Devices

SL4-100-L-RG-24LED

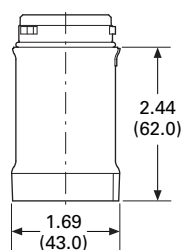


SL4-100-L-RYG-24LED



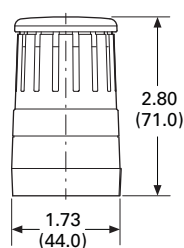
Light Modules

SL4-(B)(F)L...



Acoustic Modules

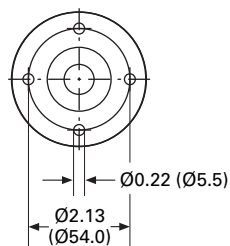
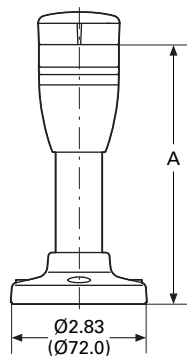
SL4-AP...



Approximate Dimensions in Inches (mm)

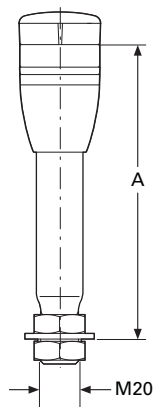
Basic Modules

SL4-PIB-...



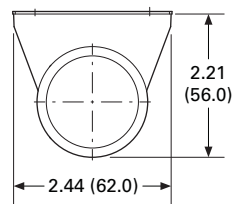
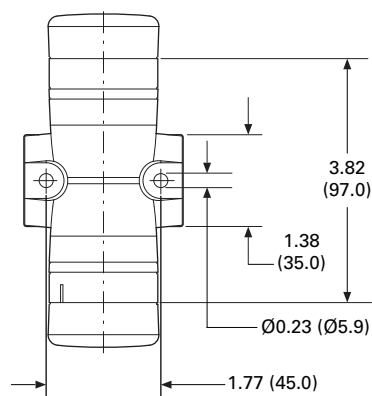
Catalog Number	A
SL4-PIB-100	3.53 (136.0)
SL4-PIB-250	11.26 (286.0)
SL4-PIB-400	17.16 (436.0)

SL4-PIB-T...

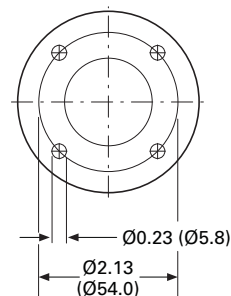
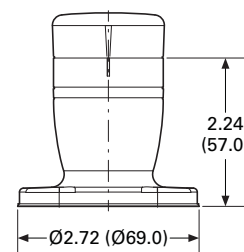


Catalog Number	A
SL4-PIB-T-100	5.90 (150.0)
SL4-PIB-T-250	11.81 (300.0)
SL4-PIB-T-400	17.72 (450.0)

SL4-PIB-D



SL4-PIB-EMH



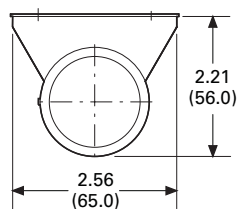
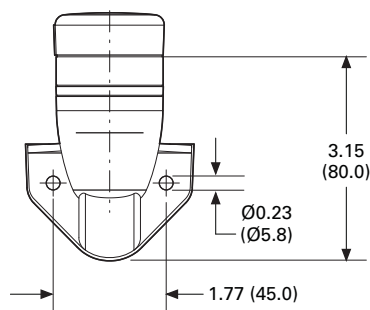
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Stacklights

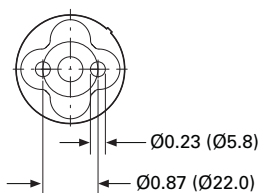
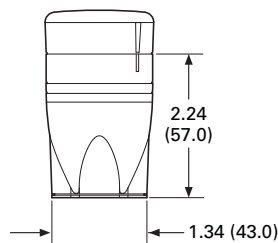
SL Series

Approximate Dimensions in Inches (mm)

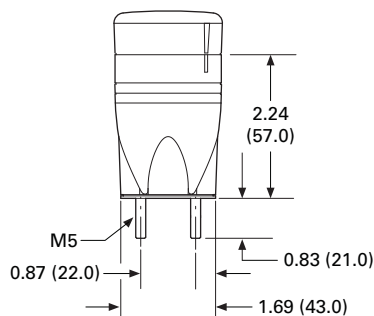
SL4-PIB-FW



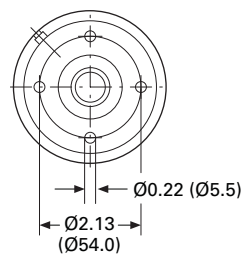
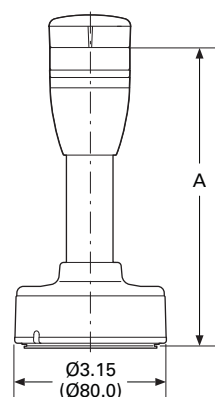
SL4-PIB-IMH



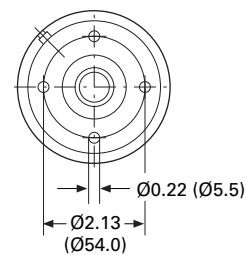
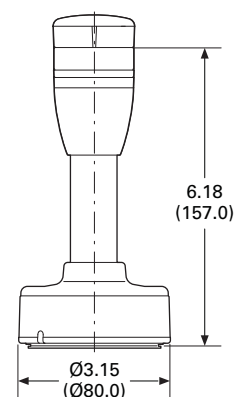
SL4-PIB-IMS



SL4-FMS-...



SL4-SWD ①



Catalog Number	A
SL4-FMS-100	6.18 (157.0)
SL4-FMS-250	12.09 (307.0)
SL4-FMS-400	17.99 (457.0)

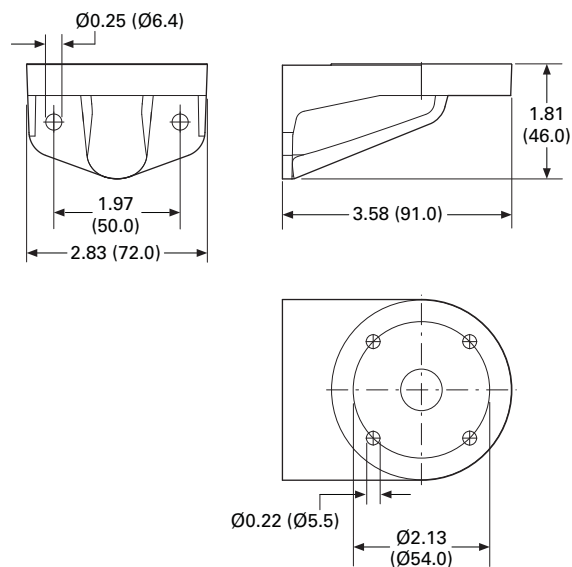
Note

① For connecting to SmartWire-DT.

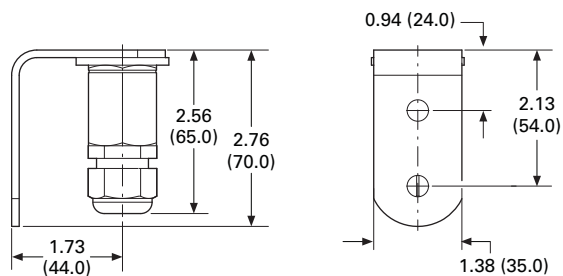
Approximate Dimensions in Inches (mm)

Mounting Brackets

SL7/4-FW

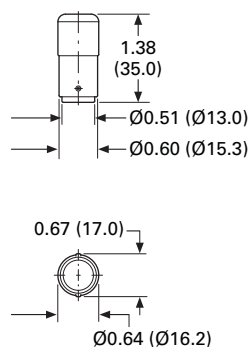


SL7/4-FW-T



Incandescent Bulbs

SL7-L12 and SL4-L12



Tool for Replacing Incandescent Bulb

SL7/4-BET

