

Technical Data and Specifications

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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

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Stacklights

SL Series

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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