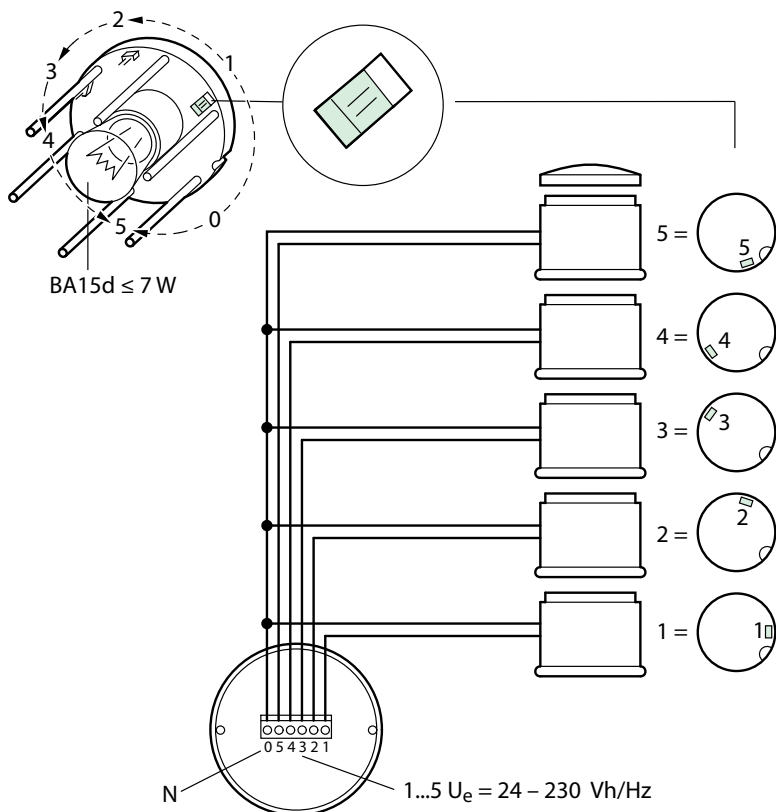


Stack Lights	SL Stack Lights
<b>General</b>	
Standards	IEC/EN 60947
Degree of protection, IEC/EN 60529	IP65 with SL-IP65 gasket; IP20 with SL-A acoustic indicator module
Climatic proofing	Damp heat, constant, to IEC 60068-2-78; Damp heat, cyclical, to IEC 60068-2-30
Ambient temperature	
Enclosed	[°C] - 25 / 50
Mounting position	As required
Mechanical shock resistance according to IEC 60068-2-27	
Shock duration 11 ms, half-sinusoidal	[g] > 15
Terminal Capacity	
Solid	[mm <sup>2</sup> ] 0.75 – 2.5
Stranded	[mm <sup>2</sup> ] 0.5 – 2.5
<b>Contacts</b>	
Rated impulse withstand voltage	$U_{imp}$ [VAC] 4000
Rated insulation voltage	$U_i$ [V] 250
Overvoltage category / pollution degree	III / 3

ASI Base Module	SL-B-ASI
<b>General</b>	
Connection of the AS interface line	Screw terminal on the circuit board
Addressing	Through AS interface line connection
Maximum total current	[mA] ≤ 250
Power supply	From AS interface line only
Ambient temperature	[°C] -25 / 55
Status LEDs on the circuit board	Status. Output Q0/function module position 1: green Status. Output Q1/function module position 2: green Status. Output Q2/function module position 3: green AS interface power line: green AS interface error, AS interface master failure: red
Profile	S-9.A.E

**Jumpers determine wiring sequence**



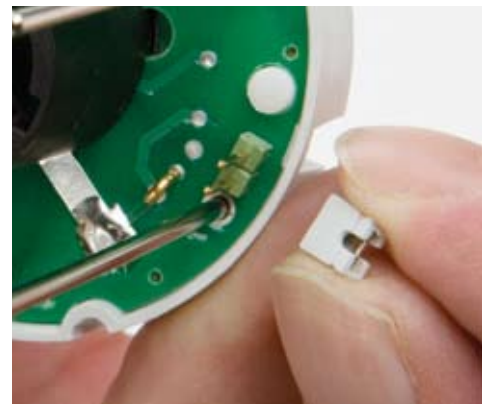
Built-in jumpers are used in stack light modules to determine the wiring position.

The jumper of the bottom-most module should be set to position 1; this is the supplied jumper position for all modules.

When a second module is added on top of the first, the jumper must be moved to position 2.

The jumper of the third module must be moved to position 3, and so on.

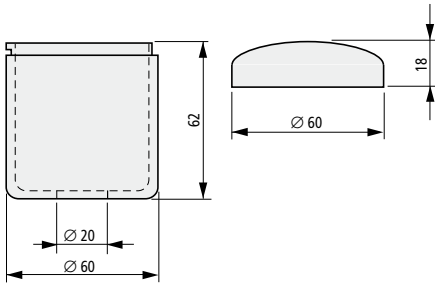
A maximum of five modules may be added to a stack light.



Dimensions are in millimeters.  
Not intended for manufacturing purposes.

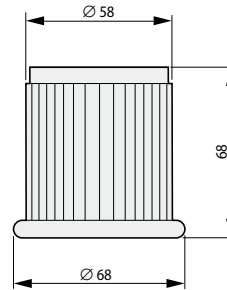
**Base Modules**

SL-(C)B



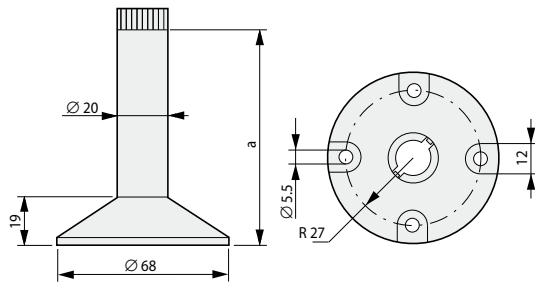
**Modules**

SL-A; SL-(B)(F)L



**Stands**

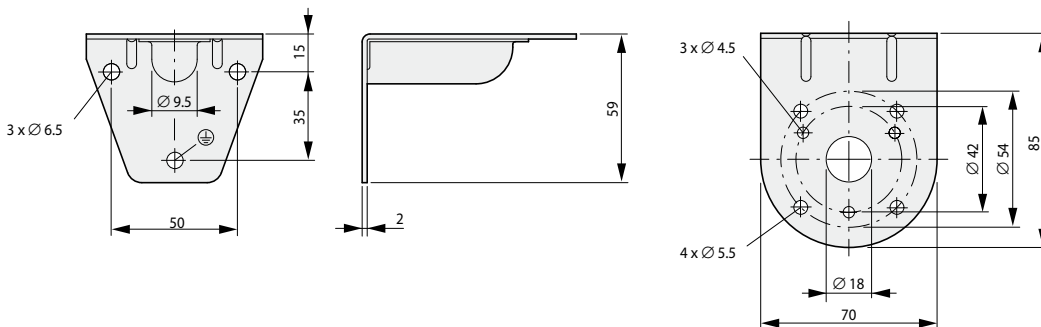
SL-F



	a
SL-F100	85
SL-F250	235
SL-F400	402
SL-F800	802

**Wall Bracket**

SL-FW

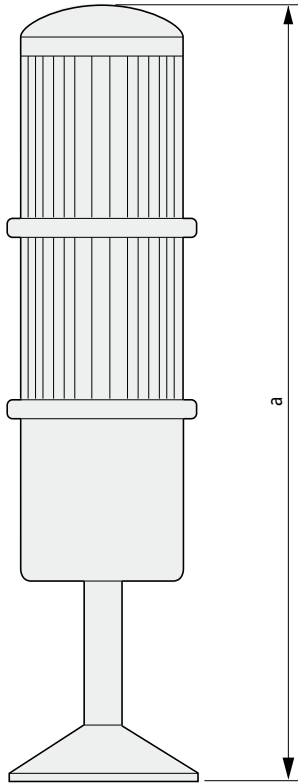


**Complete Units**

SL-100

Dimensions are in millimeters.  
Not intended for manufacturing purposes.

Number of modules	a
1	227
2	289
3	351
4	413
5	475



**B**

Stack Lights



## Ordering Flexibility

Moeller SL stack lights can be ordered as components to form dozens of different combinations including lens color; steady, flashing or strobe indication; bulb type and voltage range. Complete assemblies are also available in popular configurations.

## Approved for worldwide use

SL stack lights are UL/CSA approved and carry the CE mark. Use them with confidence domestically or for export.

### Compare these features...

*Combine up to five modules in one stack*

*Five types of illumination:*  
 Steady incandescent  
 Flashing incandescent  
 Steady LED  
 Flashing LED  
 Strobe

*Bayonet stabs and a simple twist - assembly with no tools*

*Optional gaskets provide environmental protection to IP65*

*Audible alarm module available with up to 90db tone*

*Order as components or complete assemblies*

*Five module colors available with Fresnel lenses for maximum illumination*

*Three module colors available with strobe element*

*Incandescent bulb voltages*  
 - 24V  
 - 110-130V  
 - 200-260V

*LED bulb voltages*  
 - 18-30V AC/DC  
 - 110-230V AC

*Strobe module voltages*  
 - 24V AC/DC  
 - 110-130V AC  
 - 230V AC

*Wall mounting or base mounting options provide application flexibility*

*Four heights of metal or plastic extension poles available from 100mm (3.9") to 800mm (31.5")*

**Ordering Instructions**

**STEP 3**

- Choose desired filament or multiple LED bulbs





**STEP 2**

- Select desired light modules
- Select optional acoustic indicator


**STEP 1**

- Order desired base module (includes cap)
- Order optional pole extension

**Base modules**




































STEP 1			
Base Module	Description	Catalog Number	Price
	Screw Terminals	SL-B	90
	Cage Clamp	SL-CB	100
	Connection to AS-Interface <sup>1</sup>	SL-B-ASI	660

**Pole Extension**

STEP 1 (optional)			
Extension	Description	Catalog Number	Price
<b>Stands</b>			
	100 mm, plastic	SL-F100	80
	100 mm, metal	SL-F100M	70
	250 mm, plastic	SL-F250	90
	250 mm, metal	SL-F250M	85
	400 mm, metal	SL-F400	150
	800 mm, metal	SL-F800	210

<sup>1</sup> Maximum of three stacking modules; Only for use with LED bulbs; Maximum power supply 250 mA.



### Light modules ①

STEP 2					
Light Module	Color	Operational Voltage	Description	Catalog Number	Price
<b>Continuous</b>					
	Clear 	Refer to bulb operational voltages.	Without bulb	SL-L-W	130
	Red 			SL-L-R	130
	Green 			SL-L-G	130
	Yellow 			SL-L-Y	130
	Blue 			SL-L-B	130
<b>Flashing</b>					
	Clear 	24 V AC/DC (+10% / -15%)	Without bulb f ≈ 1 Hz	SL-BL24-W	220
	Red 			SL-BL24-R	220
	Green 			SL-BL24-G	220
	Yellow 			SL-BL24-Y	220
	Blue 			SL-BL24-B	220
	Clear 	110 – 130 V AC	Without bulb f ≈ 1 Hz	SL-BL130-W	220
	Red 			SL-BL130-R	220
	Green 			SL-BL130-G	220
	Yellow 			SL-BL130-Y	220
	Blue 			SL-BL130-B	220
	Clear 	230 V AC	Without bulb f ≈ 1 Hz	SL-BL230-W	220
	Red 			SL-BL230-R	220
	Green 			SL-BL230-G	220
	Yellow 			SL-BL230-Y	220
	Blue 			SL-BL230-B	220
<b>Strobe</b>					
	Clear 	24 V AC/DC (+10% / -15%) I <sub>emax</sub> : 190 mA	With strobe flash tube 1 Ws f ≈ 1 Hz	SL-FL24-W	440
	Red 			SL-FL24-R	440
	Yellow 			SL-FL24-Y	440
	Clear 	110 – 130 V AC I <sub>emax</sub> : 31 mA	With strobe flash tube 1 Ws f ≈ 1 Hz	SL-FL130-W	440
	Red 			SL-FL130-R	440
	Yellow 			SL-FL130-Y	440
	Clear 	230 V AC I <sub>emax</sub> : 28 mA	With strobe flash tube 1 Ws f ≈ 1 Hz	SL-FL230-W	440
	Red 			SL-FL230-R	440
	Yellow 			SL-FL230-Y	440

① Maximum five modules per unit.




**Acoustic indicator modules ①**

**STEP 2 (optional)**

Acoustic Module	Operational Voltage	Description	Catalog Number	Price
<b>Continuous Tone</b>				
	12 – 36 V AC/DC 8 – 12 mA	f = 2750 Hz At 60 cm distance 12 V: 77 db 24 V: 83 db 36 V: 90 db	SL-A24	270
	110 – 230 V AC/DC 4 – 8 mA	f = 2750 Hz At 60 cm distance 110 V: 72 db 230 V: 78 db	SL-A110-230	270
<b>Pulsed Tone - 5 Hz</b>				
	12 – 36 V AC/DC 8 – 12 mA	f = 2750 Hz At 60 cm distance 12 V: 61 db 24 V: 66 db 36 V: 77 db	SL-AP24	270
	110 – 230 V AC/DC 4 – 8 mA	f = 2750 Hz At 60 cm distance 110 V: 67 db 230 V: 73 db	SL-AP110-230	270





**Bulbs**

**STEP 3**


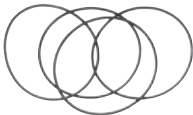
Bulb	Color	Operational Voltage	Lifespan (h)	Description	Catalog Number	Price
<b>Filament</b>						
	–	24 V	2000	• 5 – 7 W	SL-L24	13
	–	110 – 130 V	5000		SL-L130	13
	–	200 – 260 V	5000		SL-L230	13
<b>Multiple LED</b>						
	White <input type="checkbox"/>	18 – 30 V AC/DC 13 – 50 mA	100000	• Integral suppressor circuit up to 1500 V	SL-LED-W	210
	Red <input type="checkbox"/>				SL-LED-R	210
	Green <input type="checkbox"/>				SL-LED-G	210
	Yellow <input type="checkbox"/>				SL-LED-Y	210
	Blue <input type="checkbox"/>				SL-LED-B	210
	White <input type="checkbox"/>	110 – 230 V AC 9 – 17 mA	100000	–	SL-LED230-W	250
	Red <input type="checkbox"/>				SL-LED230-R	250
	Green <input type="checkbox"/>				SL-LED230-G	250
	Yellow <input type="checkbox"/>				SL-LED230-Y	250
	Blue <input type="checkbox"/>				SL-LED230-B	250

① Maximum five modules per unit.

**Complete Units**

Stack Light Unit	Light Module Colors	Operational Voltage	Description	Catalog Number	Price
	Red Yellow Green 	24 V AC/DC	<ul style="list-style-type: none"> <li>• IP54</li> <li>• Base module with stand and 100 mm tube</li> <li>• Three continuous light modules</li> <li>• Includes filament bulbs</li> </ul>	SL-100-L-RYG/24	600
	Red Green 	24 V AC/DC	<ul style="list-style-type: none"> <li>• IP54</li> <li>• Base module with stand and 100 mm tube</li> <li>• Two continuous light modules</li> <li>• Includes filament bulbs</li> </ul>	SL-100-L-RG/24	457

**Accessories**

Accessory	Description	Catalog Number	Price
<b>Wall Bracket</b>			
	<ul style="list-style-type: none"> <li>• for 90° wall mounting</li> <li>• metal</li> </ul>	SL-FW	65
<b>Gasket Set</b>			
	<ul style="list-style-type: none"> <li>• For increasing degree of protection to IP65</li> <li>• set of four (for three modules - not for use with acoustic indicators)</li> </ul>	SL-IP65	30