

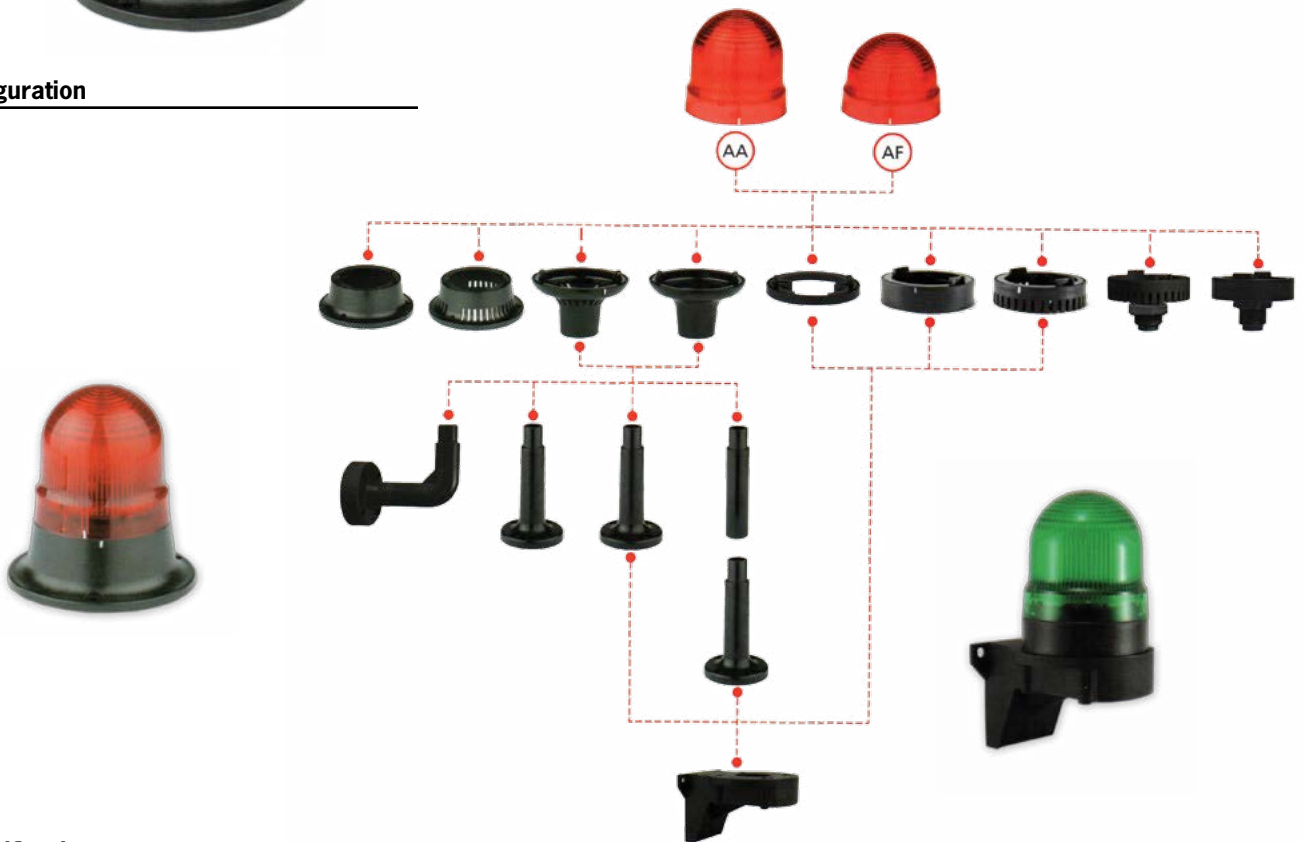
OPTICAL AND AUDIBLE MODULAR DEVICES

S 180



- Custom solutions keeping minimized cost and stock
- 10 different types of configurations for each lamp
- 8 different mounting, 4 kinds of lights, 2 different domes
- Screw clamp terminal accessible and easy to extract

Modular Configuration



Technical Specifications

Compliance

Directive 2006/95/EC Low Voltage
 Directive 2004/108/EC Electromagnetic Compatibility
 Directive 2011/65/EC RhOS
 Directive 2006/42/EC Machinery

Conformity to Standards

EN 60947.5.1 - EN 60073 - EN 60529 - EN 60068.2.6 and 27
 EN 60204.1 - EN ISO 7731 - EN 981 - IEC 536

Material

Polycarbonate (PC)

Operating Voltage

max 250V

Protection Degree

IP 54 - clamps IP 20 (with bases 85-AS, CS, DS and ES, IP 30)
 According to EN 60529

Protection against Electric Shock

Class II, double insulation according to IEC 536

Operating Temperature

-20 °C +50 °C

Resistance to Vibrations

2 g min. (10 - 150 Hz) according to EN 60068.2.6

Lens Color

Amber - Blue - Yellow - Neutral - Red - Green according to EN 60073

Connections

with screw cable clamps (maximum cable size 1.5 mm²)

MECHANICAL DRAWINGS see page ... 43

Steady or Flashing LED Light Lamp

To change the function, shift the jumper inside.

Light Output

by means of ultra bright LEDs

Lasting

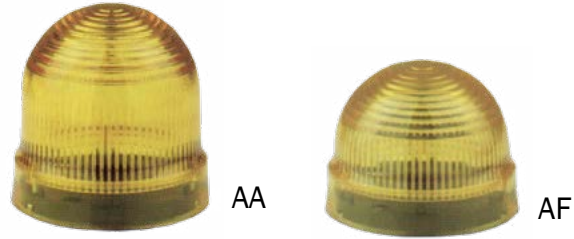
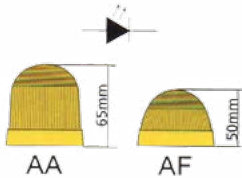
> 50,000 working hours

Operating Voltage

24V AC/DC - 40 mA

Flash Frequency

approx. 1.4 Hz (84 flashes per minute) according to EN 60073



			Red	Amber	Yellow	Green	Blue	White
AA	Flashing Light	Color Dome - 24V DC-AC	LA-AA42BL	LA-AA43BL	LA-AA44BL	LA-AA45BL	LA-AA46BL	LA-AA49BL
		Neutral Dome - 24V DC-AC	LA-AA642BL	LA-AA643BL	LA-AA644BL	LA-AA645BL	LA-AA646BL	LA-AA649BL
	Steady Light	Color Dome - 24V DC-AC	LA-AA42BF	LA-AA43BF	LA-AA44BF	LA-AA45BF	LA-AA46BF	LA-AA49BF
		Neutral Dome - 24V DC-AC	LA-AA642BF	LA-AA643BF	LA-AA644BF	LA-AA645BF	LA-AA646BF	LA-AA649BF
AF	Flashing Light	Color Dome - 24V DC-AC	LA-AF42BL	LA-AF43BL	LA-AF44BL	LA-AF45BL	LA-AF46BL	LA-AF49BL
		Neutral Dome - 24V DC-AC	LA-AF642BL	LA-AF643BL	LA-AF644BL	LA-AF645BL	LA-AF646BL	LA-AF649BL
	Steady Light	Color Dome - 24V DC-AC	LA-AF42BF	LA-AF43BF	LA-AF44BF	LA-AF45BF	LA-AF46BF	LA-AF49BF
		Neutral Dome - 24V DC-AC	LA-AF642BF	LA-AF643BF	LA-AF644BF	LA-AF645BF	LA-AF646BF	LA-AF649BF
Price →			\$98	\$98	\$98	\$112	\$112	\$112

*Must add base price - page 26

Steady Light Unit

Bulb with bayonet connection type BA 15d 5W max.

Operation Voltage

24V DC/AC / 115V AC / 240V AC

Current Consumption

With 5W Filament bulbs: 24V, 210 mA / 115V, 42 mA / 240V, 22mA

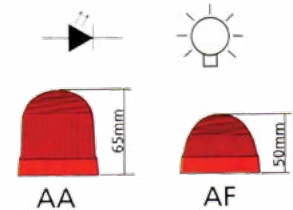
With LED bulbs: 24V, >50 mA / 115V, >8 mA / 240V, < 17 mA

Light Output

by means of 6 ultra bright LEDs

Lasting

> 50,000 working hours



AA



AF

			Red	Amber	Yellow	Green	Blue	White	Price
AA	No bulb		LA-AA1200	LA-AA1300	LA-AA1400	LA-AA1500	LA-AA1600	LA-AA1900	\$42
	Filament bulb	24V DC-AC	LA-AA1224	LA-AA1324	LA-AA1424	LA-AA1524	LA-AA1624	LA-AA1924	\$46
		115 V AC	LA-AA1215	LA-AA1315	LA-AA1415	LA-AA1515	LA-AA1615	LA-AA1915	
		240 V AC	LA-AA1230	LA-AA1330	LA-AA1430	LA-AA1530	LA-AA1630	LA-AA1930	
	LED bulb	24V DC-AC	LA-AA12424	LA-AA13424	LA-AA14424	LA-AA15424	LA-AA16424	LA-AA19424	\$87
		115 V AC	LA-AA12415	LA-AA13415	LA-AA14415	LA-AA15415	LA-AA16415	LA-AA19415	
240 V AC		LA-AA12430	LA-AA13430	LA-AA14430	LA-AA15430	LA-AA16430	LA-AA19430		
AF	No bulb		LA-AF1200	LA-AF1300	LA-AF1400	LA-AF1500	LA-AF1600	LA-AF19-0	\$42
	Filament bulb	24V DC-AC	LA-AF1224	LA-AF1324	LA-AF1424	LA-AF1524	LA-AF1624	LA-AF1924	\$46
		115V AC	LA-AF1215	LA-AF1315	LA-AF1415	LA-AF1515	LA-AF1615	LA-AF1915	
		240V AC	LA-AF1230	LA-AF1330	LA-AF1430	LA-AF1530	LA-AF16-30	LA-AF1930	
	LED bulb	24V DC-AC	LA-AF12424	LA-AF13424	LA-AF14424	LA-AF15424	LA-AF16424	LA-AF19424	\$87
		115V AC	LA-AF12415	LA-AF13415	LA-AF14415	LA-AF15415	LA-AF16415	LA-AF19415	
240V AC		LA-AF12430	LA-AF13430	LA-AF14430	LA-AF15430	LA-AF16430	LA-AF19430		

*Must add base price - page 26

MECHANICAL DRAWINGS see page ... 43

Steady or Flashing Light Unit

To change the function, shift the jumper inside. Bulb with bayonet connection type BA 15d - 5W max.

Operating Voltage

12 - 48V AC/DC / 115 V AC / 240 V AC

Current Consumption

Flashing Light...

with incandescent 5W bulbs:

24V, 145 mA / 115V, 25 mA / 240V, 15 mA

with LED bulbs:

24V, <a 50 mA / 115V, <a 18 mA / 230V, <a 17mA

Steady Light...

with incandescent 5W bulbs:

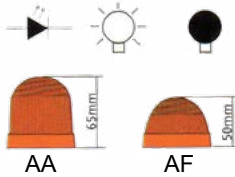
24V, 210 mA / 115V, 43 mA / 240V, 20 mA

with LED bulbs:

24V, <a 50 mA / 115V, <a 18 mA / 240V, <a 17mA

Flash Frequency

approx. 1.4 Hz (84 flashes per minute) according to EN 60073



AA



AF

			Red	Amber	Yellow	Green	Blue	White	Price
AA	No bulb	12-48V AC/DC	LA-AA22K0	LA-AA23K0	LA-AA24K0	LA-AA25K0	LA-AA26K0	LA-AA29K0	\$61
		24-230V AC	LA-AA22W0	LA-AA23W0	LA-AA24W0	LA-AA25W0	LA-AA26W0	LA-AA29W0	
	Filament bulb	24V DC-AC	LA-AA2224	LA-AA2324	LA-AA2424	LA-AA2524	LA-AA2624	LA-AA2924	\$64
		115V AC	LA-AA2215	LA-AA2315	LA-AA2415	LA-AA2515	LA-AA2615	LA-AA2915	
		240V AC	LA-AA2230	LA-AA2330	LA-AA2430	LA-AA2530	LA-AA2630	LA-AA2930	
	LED bulb	24V DC-AC	LA-AA22424	LA-AA23424	LA-AA24424	LA-AA25424	LA-AA26424	LA-AA29424	\$106
		115 V AC	LA-AA22415	LA-AA23415	LA-AA24415	LA-AA25415	LA-AA26415	LA-AA29415	\$110
		240 V AC	LA-AA22430	LA-AA23430	LA-AA24430	LA-AA25430	LA-AA26430	LA-AA29430	
	AF	No bulb	12-48V AC/DC	LA-AF22K0	LA-AF23K0	LA-AF24K0	LA-AF25K0	LA-AF26K0	LA-AF29K0
24-230V AC			LA-AF22W0	LA-AF23W0	LA-AF24W0	LA-AF25W0	LA-AF26W0	LA-AF29W0	
Filament bulb		24V DC-AC	LA-AF2224	LA-AF2324	LA-AF2424	LA-AF2524	LA-AF2624	LA-AF2924	\$64
		115V AC	LA-AF2215	LA-AF2315	LA-AF2415	LA-AF2515	LA-AF2615	LA-AF2915	
		240 V AC	LA-AF2230	LA-AF2330	LA-AF2430	LA-AF2530	LA-AF26-30	LA-AF2930	
LED bulb		24V DC-AC	LA-AF22424	LA-AF23424	LA-AF24424	LA-AF25424	LA-AF26424	LA-AF29424	\$106
		115V AC	LA-AF22415	LA-AF23415	LA-AF24415	LA-AF25415	LA-AF26415	LA-AF29415	\$110
		240V AC	LA-AF22430	LA-AF23430	LA-AF24430	LA-AF25430	LA-AF26430	LA-AF29430	

*Must add base price - page 26

Steady or Flashing Light Unit With Integrated Sound

Flashing light unit with integrated pulse sound, **common power supply**.

Operating Voltage

24V AC/DC

Current Consumption

Flashing Light...

with incandescent 5W bulbs:

24V, 145 mA / 115V, 25 mA / 240V, 15 mA

with LED bulbs:

24V, <a 50 mA / 115V, <a 18 mA / 240V, <a 17mA

Steady Light...

with incandescent 5W bulbs:

24V, 210 mA / 115V, 43 mA / 240V, 20 mA

with LED bulbs:

24V, <a 50 mA / 115V, <a 18 mA / 240V, <a 17mA

Light Output

by means of LED or filament bulbs

Flash Frequency

approx. 1.4 Hz (84 flashes per minute) according to EN 60073

Sound

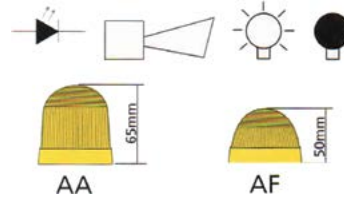
pulse or continuous

Sound Frequency

4,000 Hz

Effective dB determined at a distance of 1 meter from sound module

pulse signal 80 dB



			Red	Amber	Yellow	Green	Blue	White	Price
AA	24V AC/DC	Filament bulb	LA-AA22B7	LA-AA23B7	LA-AA24B7	LA-AA25B7	LA-AA26B7	LA-AA29B7	\$84
		LED bulb	LA-AA224B7	LA-AA234B7	LA-AA244B7	LA-AA254B7	LA-AA264B7	LA-AA294B7	\$129
AF	24V AC/DC	Filament bulb	LA-AF22B7	LA-AF23B7	LA-AF24B7	LA-AF25B7	LA-AF26B7	LA-AF29B7	\$84
		LED bulb	LA-AF224B7	LA-AF234B7	LA-AF244B7	LA-AF254B7	LA-AF264B7	LA-AF294B7	\$129

*Must add base price - page 26



AA



AF

LED Light Unit with Integrated Sound

Flashing light unit with pulse sound, steady light unit with continuous sound, **common power supply**. To change the function, shift the jumper inside.

Light Output

by means of 6 ultra bright LED

Lasting

> 50,000 hours

Operating Voltage

24V AC/DC

Current Consumption

24V AC/DC. 55 mA

Flash Frequency

approx. 1.4 Hz (84 flashes per minute) according to EN 60073

Sound Frequency

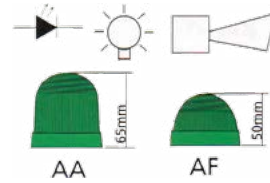
3,500 Hz

Repetition Signal Frequency

1 Hz according to EN 457

Effective dB determined at a distance of 1 meter from sound module

pulse signal 80 dB - continuous signal 77 dB (24V DC)



AA



AF

			Red	Amber	Yellow	Green	Blue	White
AA	24V AC/DC	Filament bulb	LA-AA22B7	LA-AA23B7	LA-AA24B7	LA-AA25B7	LA-AA26B7	LA-AA29B7
		LED bulb	LA-AA224B7	LA-AA234B7	LA-AA244B7	LA-AA254B7	LA-AA264B7	LA-AA294B7
AF	24V AC/DC	Filament bulb	LA-AF22B7	LA-AF23B7	LA-AF24B7	LA-AF25B7	LA-AF26B7	LA-AF29B7
		LED bulb	LA-AF224B7	LA-AF234B7	LA-AF244B7	LA-AF254B7	LA-AF264B7	LA-AF294B7
Price →			\$122	\$122	\$122	\$136	\$136	\$136

*Must add base price - page 26

LED Light Lamp with Integrated Sound, Separated Control

Separated Control

pre-set with flashing light and pulse sound (to change the function shift the jumper inside)

Light Output

by means of ultra bright LEDs

Lasting

>50,000 working hours

Operating Voltage

12 or 24V AC/DC



Current Consumption

24V, 60 mA

Flash Frequency

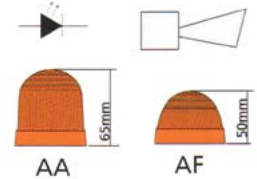
approx. 1.4 Hz (84 flashes per minute) according to EN 60073

Sound Frequency

2,900 Hz

Effective dB determined at a distance of 1 meter from sound module

pulse signal 85 dB - continuous signal 82 dB (24V DC)



			Red	Amber	Yellow	Green	Blue	White
AA	12V DC-AC	LA-AA427AL	LA-AA437AL	LA-AA447AL	LA-AA457AL	LA-AA467AL	LA-AA497AL	
	24V DC-AC	LA-AA427BL	LA-AA437BL	LA-AA447BL	LA-AA457BL	LA-AA467BL	LA-AA497BL	
AF	12V DC-AC	LA-AF427AL	LA-AF437AL	LA-AF447AL	LA-AF457AL	LA-AF467AL	LA-AF497AL	
	24V DC-AC	LA-AF427BL	LA-AF437BL	LA-AF447BL	LA-AF457BL	LA-AF467BL	LA-AF497BL	
Price →			\$145	\$145	\$145	\$158	\$158	\$158

*Must add base price - page 26

LED Bulbs BA 15d



Bulb "k" only for AA Ultra Bright

	LED	Red	Amber Yellow	Green	Blue	White	Price
Standard	24V DC-AC	LA-11EB2	LA-11EB4	LA-11EB5	LA-11EB6	LA-11EB9	\$41
	115V AC	LA-11EF2	LA-11EF4	LA-11EF5	LA-11EF6	LA-11EF9	\$46
	240V AC	LA-11EG2	LA-11EG4	LA-11EG5	LA-11EG6	LA-11EG9	
Ultra Bright	24V DC-AC	LA-11KB2	LA-11KB4	LA-11KB5	LA-11KB6	LA-11KB9	\$82
	115V AC	LA-11KF2	LA-11KF4	LA-11KF5	LA-11KF6	LA-11KF9	\$87
	240V AC	LA-11KG2	LA-11KG4	LA-11KG5	LA-11KG6	LA-11KG9	

Filament Bulbs BA 15d



	Catalog No.	Price
12V / 5W	LA-1112	\$3.50
24V / 5W	LA-11S24	\$3.50
30V / 5W	LA-1130V	
130V / 5W	LA-11E15	\$3.50
260V / 5W	LA-11E30	\$3.50

MECHANICAL DRAWINGS see page ... 43

Anti-Tampering Lock

- A screw blocks the unauthorized access or removal of lamp
- Un-mounting only possible with tools
- This type of stack light is sold assembled

Description	Catalog No.	Price
Add the catalog no. code to the product when ordering	-0Q	\$14



ClickClack

Accessories

- An easy rotation allow a quick installation without tool
- Quick stack light un-mount after assembly
- Reduce machinery obstruction (important for shipment)
- Lesser packaging and cheaper delivery cost, flawless and quick installation matched with connector version

Description	Catalog No.	Price
Add the catalog no. code to the product when ordering	-80-KK	\$23



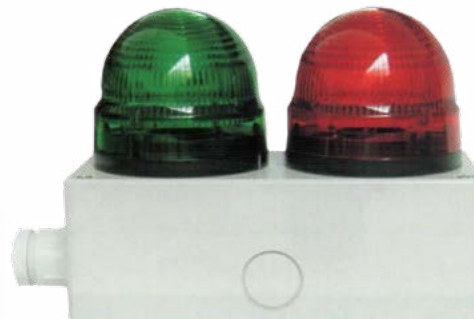
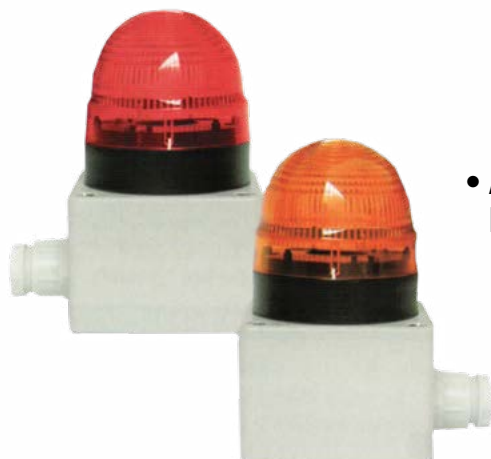
Bases

				
LA-85A0 Base diam. 85mm \$12	LA-85AS Base diam. 85mm for acoustic \$12	LA-85B0 Shallow base diam. 60mm \$12	LA-85E0 Base diam. 60mm \$12	LA-85ES Base diam. 60mm for acoustic \$12
				
LA-85D0 Base for 22mm hole mounting \$14	LA-85DS - Base for acoustic, 22mm hole mounting \$14	LA-85C0 Adapter element \$12	LA-85CS Adapter for acoustic element \$12	LA-5410 Base diam. 70mm w. 100mm pole \$16
				
LA-8810 Bracket for 90° fixing \$6	LA-55P62 Extension pole, height 100mm \$23	LA-5490 - Base with polycarbonate poles for 90° fixing \$23	LA-54MP9 - Metal base with 90° polycarbonate extension pole \$41	LA-54MM9 - Metal base and 90° extension pole \$41

MECHANICAL DRAWINGS see page ... 42/43

PRE-ASSEMBLED JUNCTION BOXES WITH OPTICAL AND AUDIO DEVICES

- Varied applications and configurations can be created with this system



- Arranged for mounting bases 85-D0 and 85-D5

- The junction boxes have drills and cable glands included

Technical Specifications

Dimensions

For one indicator: 70 x 70 x 51

For two indicators: 70 x 140 x 51

Protection Degree

IP 65

Pre-set

85-D0 or 85-D5, cable gland (un-mounted) are included

Material

ABS (RAL 7035)

Operating Temperature

-25° +70°C



Description	Catalog No.	Price
pre-assembled for 1 lamp	LA-CS 1001	\$50
pre-assembled for 2 lamps	LA-CS 1002	\$82
standard junction box for 1 lamp	LA-CS 1101	\$20
standard junction box for 2 lamps	LA-CS 1102	\$34

MECHANICAL DRAWINGS see page ... 44