



Springer Controls is the North American distributor for Texelco, an Italian based lighting manufacturer. Our stacking indicating lights and audio units come in 2 models to meet your specifications. The “**Series 70**” is the industry standard for stacking lights. It has a 70mm diameter and can stack up to 7 modular units. The “**Series 45**” is a smaller, 45mm diameter, compact unit that can stack up to 5 modular units and can be mounted into a single, 22mm hole. Both series offer a user friendly modular concept, a large variety of color choices, along with bases and audio units.

LIGHT ALERT (STACKING LIGHTS)

SERIES 70; Light Alert - 24V AC/DC, 115 Vac, 240 Vac

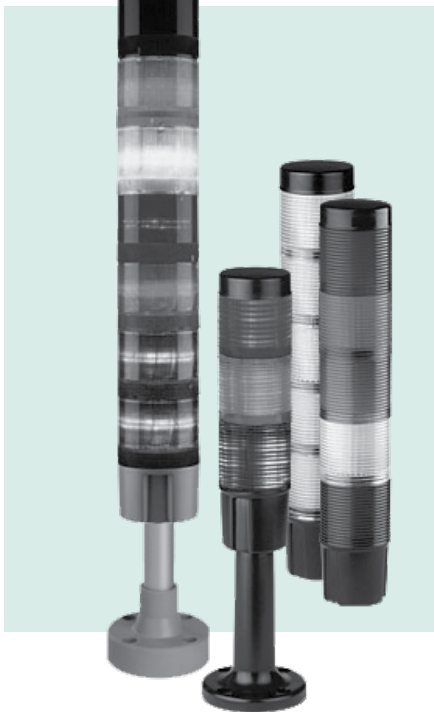
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SERIES 45; Light Alert - 24V AC/DC

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SERIES 70 STACKING LIGHT - FEATURES

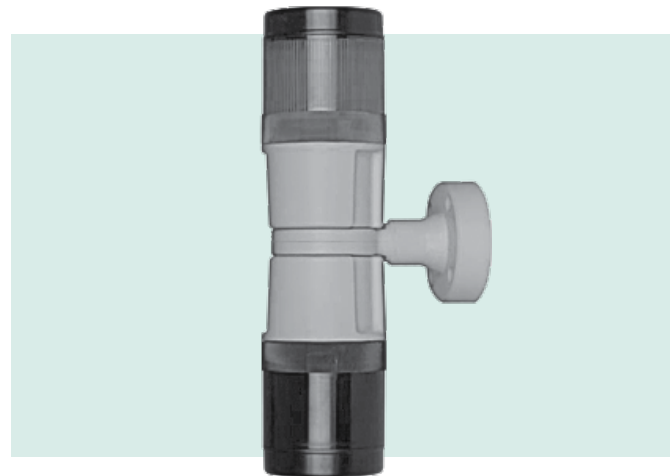
Light Alert - Series 70 - Stacking Light & Audible Signals



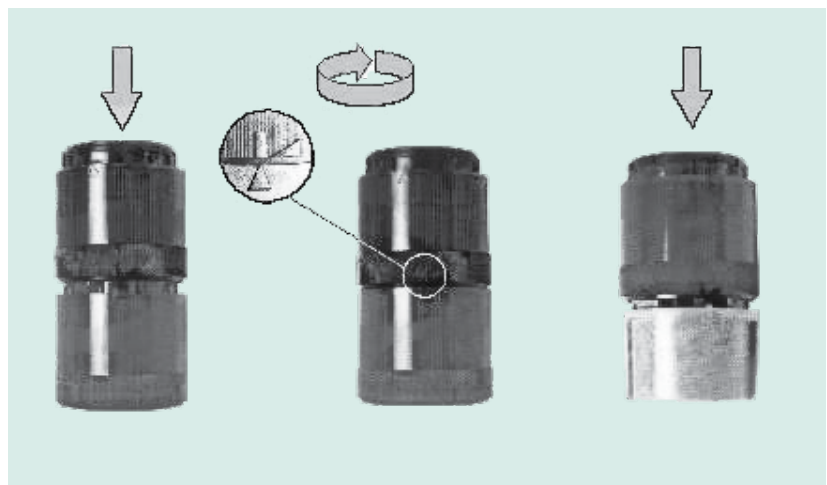
- User Friendly modular concept
- One terminal unit can be combined with up to seven modular signal units.
- Six colored light units include your selection of steady, flashing, strobe, or LED light units. Replaceable bulbs available.
- Audio units include your selection of pulsating, constant, or multi-functional tone signal for maximum safety.
- UL approved & NEMA 3R rated for use in extreme conditions.
- 70mm diameter lens
- 24V AC/DC, 115V AC, 240V AC

R2

- Wall mount, visual and audio signal device

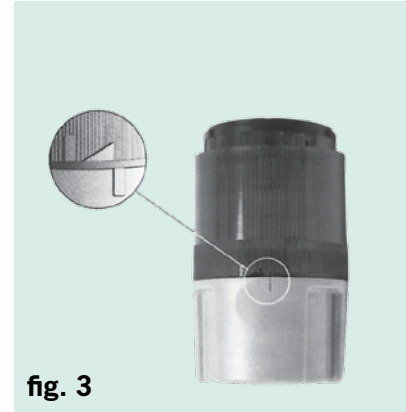
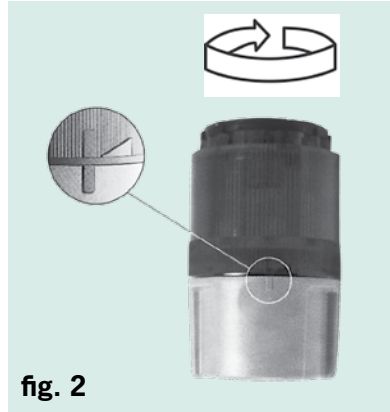
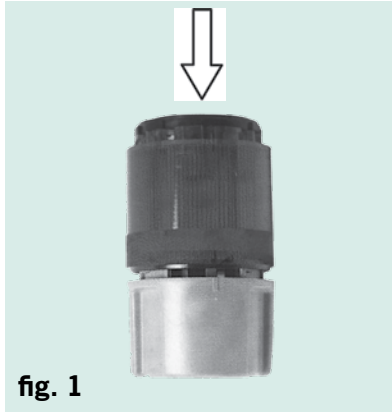


- A bayonet mounting system allows a quick and simultaneous method of joining the signal units together in any sequence desired.
- Special design makes assembly quick, easy and without the use of tools.
- Series 70 units can be ordered as a fully assembled unit (page R11) or as individual parts.



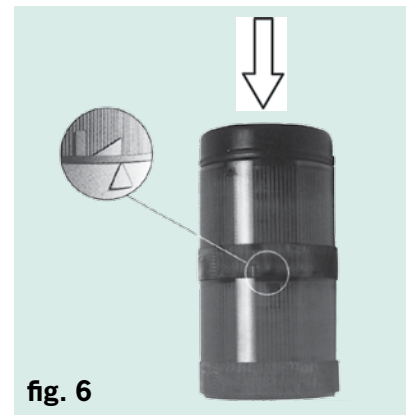
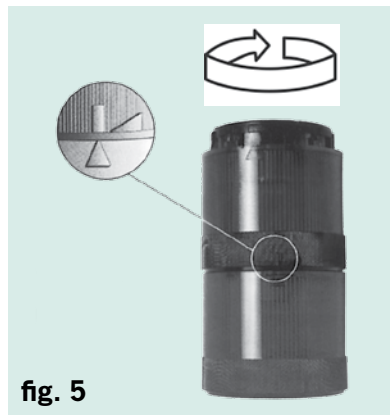
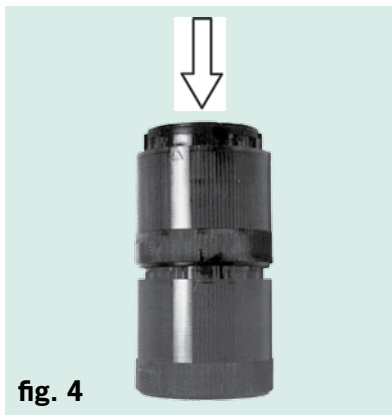
Light Alert - Series 70 - Modular System

Place the signaling unit onto terminal unit (fig.1)
Align the reference marks first and then twist clockwise until they click locked (fig. 2-3)

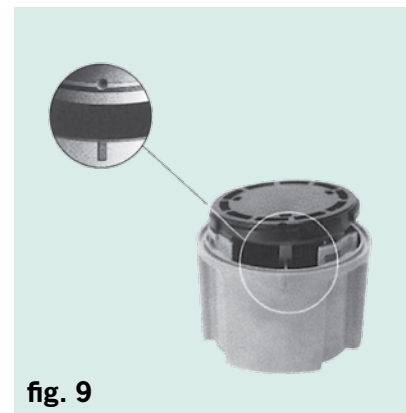


R3

Follow the same steps as above to add more signaling units (fig. 4, 5 and 6). On the last unit mount the cap (fig. 6).
Since the audio indicators is equipped with a cap, it can be mounted as a final unit.



In order to fix the extension tube (a base is always included with it), insert it into the relevant hole and tighten the screw on the side (fig. 7). In order to make the connections, reach the terminal board by pressing the back disc (fig. 8). Connect to terminals (colored units are numbered from base to top). Place the terminal board back into position by aligning the reference marks (fig. 9) and pressing inwards.



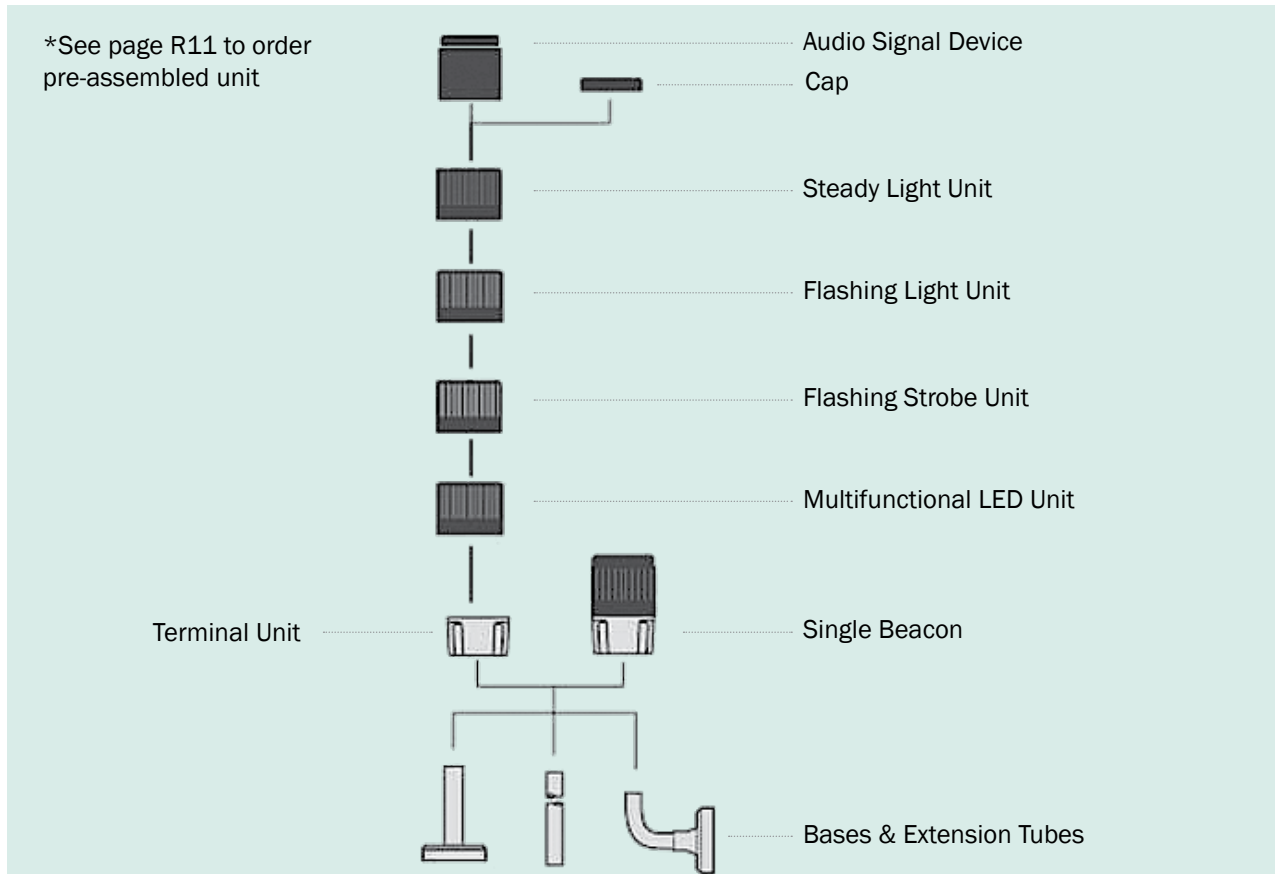
SERIES 70 - TECHNICAL SPECIFICATIONS

Technical Features

Compliance	EEC regulation 73/23 Low Voltage and following amendments (EEC 94/68) EEC regulation 89/336 Electromagnetic Compatibility
Conformity to Standards	EN 60947.5.1 - EN 0073 - EN 60529 - EN 60068-2-6 - EN 457 - EN 981 - IEC 536
Material	Visual and audio module, cable unit, cap and base: polycarbonate
Voltage	250V max.
Protection Degree	IP 64 (if correctly assembled with cap and gasket) according to EN 60529
Protection against electric shock	Class II, in case of double insulation and polycarbonate support tubes
Operating Temperature	-4 °F - 122 °F
Resistance to Vibrations	2g min. (10 - 150 Hx), according to EN 60068-2-6
Unit Colors	Amber - Blue - Yellow - Green - Red - Clear, according to EN 60073
Bulb	Bayonet connection Type: BA 15d - 5W max. - With flash circuits; Xenon bulbs
Number of Combinable Units	For all indicators; each cable unit can be combined with up to seven (7) modular units (except for the single beacon type, which can be combined with maximum two (2) units).
Connections	Screw clamps with binding post max. gauge 1,5mm ²
Connection ID Code	C - common to all signal units Numbers from 1 - 7 refer to each single module from the base to the top (for the single beacon type the reference is from 1 - 2).

* See Dimensional Data - page R18

Structure Options



SERIES 70 - PART# & PRICING; TERMINAL & STEADY UNITS

Terminal Unit



Clamps

screw clamps with binding post

Maximum Gauge

16 AWG

Connection ID Code

C- common to all units

Numbers from 1 to 7 refer to the colors, from the base to the top.

Color	Catalog No.	Price
Gray	LAT 70G	\$62.00
Black	LAT 70B	\$62.00

Steady Light Unit



Illumination

LED or filament bulb

Bulb Type

With bayonet connection BA 15d - max. 7 W

Voltage

24V AC/DC, 120 VAC, 240 VAC

Current Consumption

With 5 W filament bulbs;

24V, 210 mA / 115V, 43 mA / 240V, 22 mA

With LED bulbs;

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

Steady Light Units - Filament Bulb Included

Color	24 VAC/VDC Catalog No.	120 VAC Catalog No.	240 VAC Catalog No.	Price
Red	LA70CRO24	LA70CR115	LA70CR240	\$42.00
Amber	LA70CA024	LA70CA115	LA70CA240	\$42.00
Yellow	LA70CY024	LA70CY115	LA70CY240	\$42.00
Green	LA70CG024	LA70CG115	LA70CG240	\$42.00
Blue	LA70CB024	LA70CB115	LA70CB240	\$42.00
Clear	LA70CC024	LA70CC115	LA70CC240	\$42.00

Steady Light Units - LED Bulb Included

Color	24 VAC/VDC Catalog No.	Price	120 VAC Catalog No.	240 VAC Catalog No.	Price
Red	LA70CLR024	\$115.00	LA70CLR115	LA70CLR240	\$150.00
Amber	LA70CLA024	\$115.00	LA70CLA115	LA70CLA240	\$150.00
Yellow	LA70CLY024	\$115.00	LA70CLY115	LA70CLY240	\$150.00
Green	LA70CLG024	\$115.00	LA70CLG115	LA70CLG240	\$236.00
Blue	LA70CLB024	\$115.00	LA70CLB115	LA70CLB240	\$236.00
Clear	LA70CLC024	\$115.00	LA70CLC115	LA70CLC240	\$236.00

Discount Schedule SC-50

SERIES 70 - PART# & PRICING; FLASHING STROBE UNITS

Flashing Light Unit



Illumination

LED or filament bulb

Bulb Type

Bayonet connection BA 15d - max. 5 W

Voltage

24V AC/DC, 120 VAC, 240 VAC

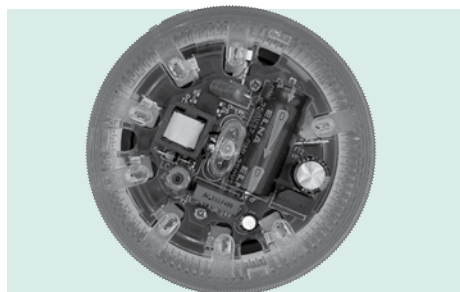
Flashing Light Units - Filament Bulb Included

Color	24 VAC/VDC Catalog No.	120 VAC Catalog No.	240 VAC Catalog No.	Price
Red	LA70FCR024	LA70FCR115	LA70FCR240	\$121.00
Amber	LA70FCA024	LA70FCA115	LA70FCA240	\$121.00
Yellow	LA70FCY024	LA70FCY115	LA70FCY240	\$121.00
Green	LA70FCG024	LA70FCG115	LA70FCG240	\$121.00
Blue	LA70FCB024	LA70FCB115	LA70FCB240	\$121.00
Clear	LA70FCC024	LA70FCC115	LA70FCC240	\$121.00

Flashing Light Units - LED Bulb Included

Color	24 VAC/VDC Catalog No.	Price	120 VAC Catalog No.	240 VAC Catalog No.	Price
Red	LA70FCLR024	\$148.00	LA70FCLR115	LA70FCLR240	\$232.00
Amber	LA70FCLA024	\$148.00	LA70FCLA115	LA70FCLA240	\$232.00
Yellow	LA70FCLY024	\$148.00	LA70FCLY115	LA70FCLY240	\$232.00
Green	LA70FCLG024	\$148.00	LA70FCLG115	LA70FCLG240	\$318.00
Blue	LA70FCLB024	\$148.00	LA70FCLB115	LA70FCLB240	\$318.00
Clear	LA70FCLC024	\$148.00	LA70FCLC115	LA70FCLC240	\$378.00

Flashing Strobe Unit



Illumination

4-Joule Xenon bulb

Voltage

24V AC/DC, 120 VAC, 240 VAC

Current Consumption

24V DC, 75 mA / 24 VAC, 135 mA / 115V, 20 mA / 240V, 15 mA

Flash Frequency

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

Flashing Strobe Units - Xenon Bulb Included

Color	24 VAC/VDC Catalog No.	Price	120 VAC Catalog No.	240 VAC Catalog No.	Price
Red	LA70SR024	\$196.00	LA70SR115	LA70SR240	\$219.00
Amber	LA70SA024	\$196.00	LA70SA115	LA70SA240	\$219.00
Yellow	LA70SY024	\$196.00	LA70SY115	LA70SY240	\$219.00
Green	LA70SG024	\$196.00	LA70SG115	LA70SG240	\$219.00
Blue	LA70SB024	\$196.00	LA70SB115	LA70SB240	\$219.00
Clear	LA70SC024)	\$196.00	LA70SC115	LA70SC240	\$219.00

Discount Schedule SC-50

SERIES 70 - PART# & PRICING; MULTI-FUNCTION LED UNITS

Multifunction LED Light Unit



Illumination

24 ultra bright integrated LEDs

Duration

more than 50,000 working hours

Operating Modes

Steady light, flashing or rotating light
(to change the function just remove or shift the CN1 jumper)

Voltage

24V DC/AC

Current Consumption

24V DC, 55 mA / 24V AC, 85 mA

Flash Frequency

1 revolution per second approx.

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Multifunction LED Light Unit - Steady, Flashing, Rotating

Color	24 VAC/VDC - LED	Price
Red	LA70UR024	\$342.00
Amber	LA70UA024	\$342.00
Yellow	LA70UY024	\$342.00
Green	LA70UG024	\$443.00
Blue	LA70UB024	\$443.00
Clear	LA70UC024	\$443.00

Multifunction LED Light Unit - Steady, Flashing only

Color	24 VAC/VDC - LED	Price
Red	LA70NR024	\$148.00
Amber	LA70NA024	\$148.00
Yellow	LA70NY024	\$148.00
Green	LA70NG024	\$168.00
Blue	LA70NB024	\$168.00
Clear	LA70NC024	\$178.00

Discount Schedule SC-50

SERIES 70 - PART# & PRICING; AUDIO UNITS

Audio Signal Device

Already equipped with a cap, the audio indicator can be mounted as final top unit only.



Sound

Intermittent or steady
(to change it, just remove or insert the relevant jumper in the printed circuit)

Sound Frequency

2600 Hz according to EN 457

Signal Repetition Rate

1 Hz according to EN 457

Weighted Sound Level A at 1 m

LA70CW24 Intermittent signal 100 dB - Continuous signal 98 dB
LA70CW15 Intermittent signal 95 dB - Continuous signal 93 dB
LA70CW30 Intermittent signal 95 dB - Continuous signal 93 dB

Voltage

LA70CW24 24V AC/DC
LA70CW15 115V AC
LA70CW30 240V AC

Current Consumption

LA70CW24 AC/DC 200 mA
LA70CW15 AC 40 mA
LA70CW30 AC 30 mA

Protection Degree

IP64

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Audible Signals - Intermittent or Steady

Voltage	Catalog No.	Price
24V AC/DC	LA70CW024	\$213.00
120V AC	LA70CW115	\$264.00
240V AC	LA70CW230	\$264.00

Audio Signal Device - Dedicated Usage - 24V AC/DC



Already equipped with a cap, the audio indicator can be mounted as final top unit only.

Sound

Intermittent

Sound Frequency

3300 Hz, 2900 Hz

Signal Repetition Rate

.8 Hz

Weighted Sound Level A at 1 m

80 dB, 90 dB

Voltage

24V AC/DC

Current Consumption

24V DC, 32 mA - 24V AC, 100 mA

Audible Signals - Intermittent - 24 VAC/VDC

		Catalog No.	Price
IP30	3300 Hz - 80dB	LA70PD024	\$123.00
IP54	2900 Hz - 90dB	LA70PR024	\$162.00
IP64	3300 Hz - 76dB	LA70PW024	\$123.00

Discount Schedule SC-50

SERIES 70 - PART# & PRICING; MOUNTING ACCESSORIES

Audio Signal Device - Selectable Sounds



Already equipped with a cap, the audio indicator can be mounted as final top unit only.

Sound

LA70C024; 16 sounds selectable by means of a dip switch

Sound Frequency

2500 - 2900 Hz according to EN 547

Weighted Sound Level A at 1 m

LA70 16 Sounds, Max 90 dB

Current Consumption

LA70C024 Type 75-MB: DC/AC 40 mA

Protection Degree

IP54

Audible Signals - 16 Sounds

Voltage	Catalog No.	Price
24V AC/DC	LA70C024	\$184.00

Polycarbonate Mounting Accessories (All mounting accessories available in "metal"; consult factory for pricing)



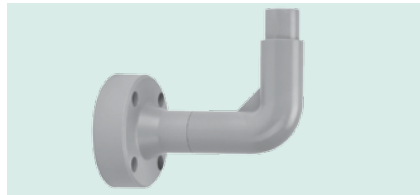
FLANGE BASE

Height	Gray Catalog No.	Black Catalog No.	Price
4"	LA5401	LA5410	\$24.00
8"	LA5402	LA5420	\$27.00
12"	LA5403	LA5430	\$29.00
16"	LA5404	LA5440	\$34.00
20"	LA5405	LA5450	\$38.00



EXTENSION TUBE

	Gray Catalog No.	Black Catalog No.	Price
4"	LA8801	LA8810	\$10.00



90 FLANGE BASE

	Gray Catalog No.	Black Catalog No.	Price
	LA5409	LA5490	\$34.00



WALL FLANGE SUPPORT

	Gray Catalog No.	Black Catalog No.	Price
Single	LA54T19	LA54T91	\$40.00
Double	LA54T29	LA54T92	\$40.00



22mm HOLE (1/2 NPT) ADAPTOR

	Black Catalog No.	Price
	LA88A22	\$30.00

Discount Schedule SC-50

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SERIES 70 - PART# & PRICING; BULBS

Filament (Incandescent) Bulbs



Bulb:
BA15d

Filament:
shockproof

Duration:
2,000 working hours

Description	Catalog No.	Price
24V - 5W	LA11S24	\$7.00
115V - 5W	LA11E15	\$7.00
230V - 5W	LA11E30	\$7.00

LED Bulbs



Bulb:
BA15d Lateral Light - 9 LED's

Duration:
more than 50,000 working hours

Specs:
Perfect operation even in cases of strong vibration or hits.
No maintenance or service costs.

Color	Catalog No. 24V/5W	Price	Catalog No. 115V/5W	Catalog No. 230V/5W	Price
Red	LA11EB2	\$51.00	LA11EF2	LA11EG2	\$59.00
Yellow	LA11EB4	\$51.00	LA11EF4	LA11EG4	\$59.00
Green	LA11EB5	\$51.00	LA11EF5	LA11EG5	\$59.00
Blue	LA11EB6	\$51.00	LA11EF6	LA11EG6	\$59.00
Clear	LA11EB9	\$51.00	LA11EF9	LA11EG9	\$59.00

Discount Schedule SC-50

ASSEMBLED LIGHT ALERT SERIES 70 - REQUEST FORM









Part # assigned by factory: # **LA70** -

(Example LA70 - 0001 = Light Alert; Series 70, issue 0001)

Check and complete appropriate boxes:

Voltage: **24V AC** **110V AC** **230V AC** **24V AC/DC**

Bulb Type: **Filament** **LED**

	POSITION	STYLE	COLOR
	Position #7	_____	_____
	Position # 6	_____	_____
	Position # 5	_____	_____
	Position # 4	_____	_____
	Position # 3	_____	_____
	Position # 2	_____	_____
	Position # 1	_____	_____
	Terminal;	<input type="checkbox"/> Gray	<input type="checkbox"/> Black

Starting at Position #1 fill in the style and color of each position needed. Please note; if selecting "audio" style, this must be the last or top position.

Style Selection:








- **STEADY** (Filament or LED)
- **FLASHING** (Filament or LED)
- **STROBE** (Xenon bulb only)
- **MULTI-FUNCTIONAL** (LED only)
- **AUDIO;**
Decibel rating based on voltage.
Intermittent or steady selection.

Color Selection:

- **(R) Red**
- **(A) Amber**
- **(Y) Yellow**
- **(G) Green**
- **(B) Blue**
- **(C) Clear**

Terminal Base mounts directly to fixture, optional bases and extensions available below.

Optional Bases: (Base color will be identical to terminal color selected)

	<input type="checkbox"/> 4" Base	<input type="checkbox"/> 12" Base		<input type="checkbox"/> 90° Flange	
	<input type="checkbox"/> 8" Base	<input type="checkbox"/> 16" Base		<input type="checkbox"/> Wall Flange (single)	
	<input type="checkbox"/> Wall Flange (double)		<input type="checkbox"/> 4" Extension Tube		<input type="checkbox"/> 22mm Adapter

Optional Extensions: (Extension color will be identical to terminal color selected)

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NOTES

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SERIES 45 STACKING LIGHTS FEATURES

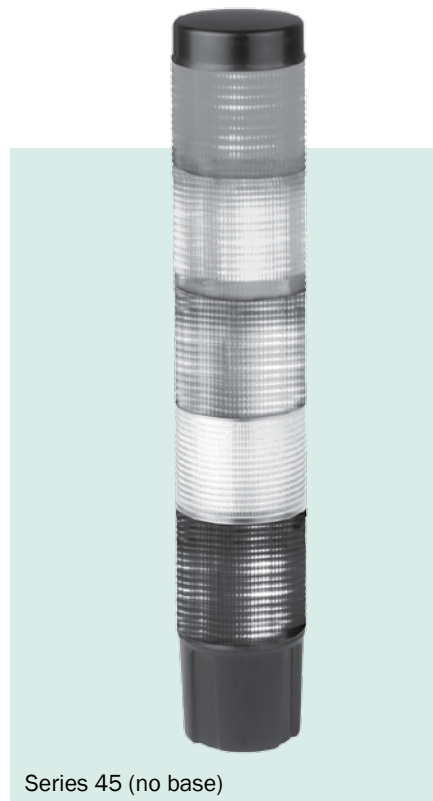
Light Alert - Series 45 - Stacking Light & Audible Signals



Series 45 (with flange base)

- User Friendly modular concept
- One terminal unit can be combined with up to five modular signal units.
- Six colored light choices in steady or constant mode
- Audio units available for final (top) module.
- 45mm diameter lens
- Single hole (22mm) mounting capability
- 24V AC/DC

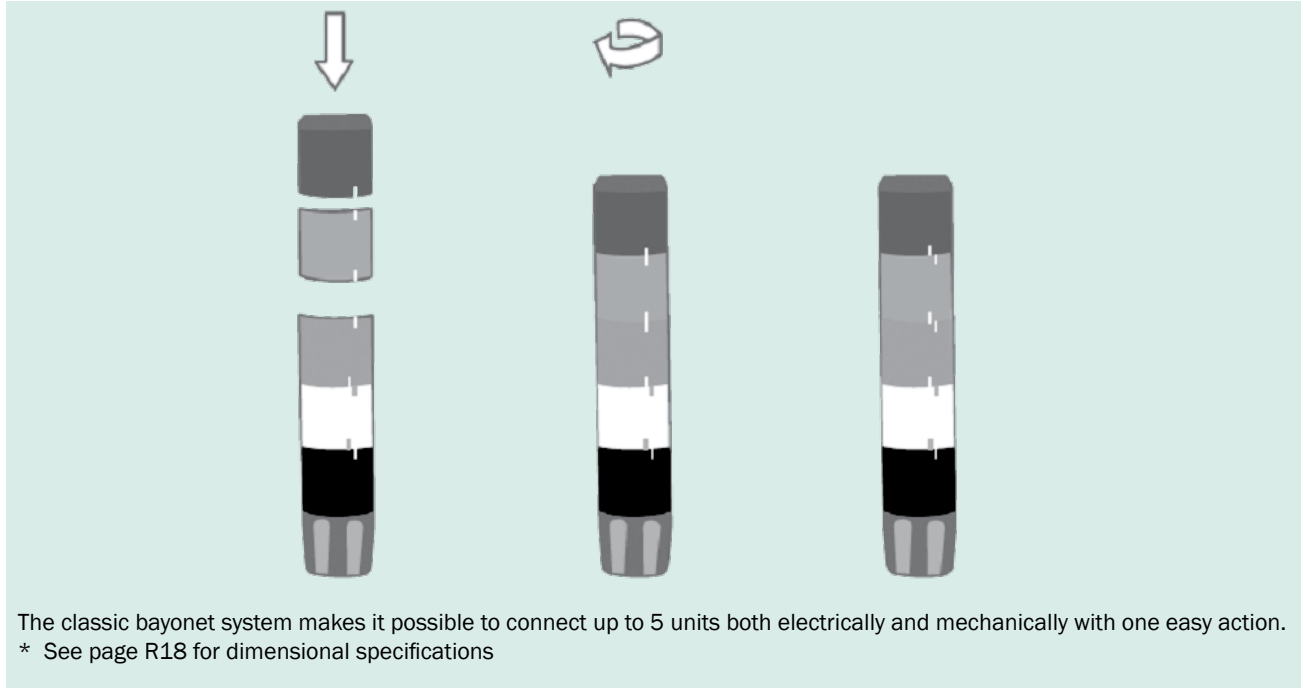
- A bayonet mounting system allows a quick and simultaneous method of joining the signal units together in any sequence desired.
- Ultra-bright LEDs and an accurate illumination system guarantee large visibility.
- The audio signal devices increase the signaling possibilities.
- Series 45 units can be ordered as a fully assembled unit (see page R17) or as individual parts.



Series 45 (no base)

SERIES 45 - ASSEMBLY & TECHNICAL SPECS

Assembly



Technical Specifications

Compliance	EEC regulation 73/23 Low Voltage and following amendments (EEC 94/68) EEC regulation 89/336 Electromagnetic Compatibility
Conformity to Standards	EN60947.5.1 - EN60073 - EN60529 - EN60068-2-6 - EN457 - EN981 - IEC536
Material	Polycarbonate
Voltage	250V max.
Protection Degree	IP 64 (if correctly assembled with cap and gasket); IP 54 (with an audio unit) according to EN60529
Protection against electric shock	Class II, safety insulation - according to IEC536
Operating Temperature	-4 °F - 122 °F
Resistance to Vibrations	2g min. (10 - 150 Hz), according to EN 60068-2-6
Color of the Modules	Amber - Blue - Yellow - Green - Red - Clear, according to EN 60073
Number of Combinable Units	Max. 5
Connections	Screw clamps with binding post gauge max. 1,5mm ² inside the wiring unit

SERIES 45 - TERMINAL, LIGHT, AUDIO UNITS

Terminal Unit



Clamp connections - With pre-cabled wire upon request

Clamps

screw clamps with binding post

Maximum Gauge

1.5 mm²

Connection ID Code

C- common to all units

Numbers from 1 to 5 refer to the colors, from the base to the top.

Color	Catalog No.	Price
Gray	LA45G	\$77.00
Black	LA45B	\$77.00

Light Unit



Illumination

Steady light by means of 6 ultra-bright LEDs

Voltage

24V DC/AC (+/-%)

Current Consumption

24V DC - 35 mA / 24V AC - 55 mA

Color	24 VAC/VDC	Price
Red	LA45CLR024	\$115.00
Amber	LA45CLA024	\$115.00
Yellow	LA45CLY024	\$115.00
Green	LA45CLG024	\$136.00
Blue	LA45CLB024	\$136.00
Clear	LA45CLC024	\$136.00

R15

Audio Unit



The audio signal device already has a cap and can be used as the final module.

Sound

Intermittent and continuous

Sound Frequency

3,700 Hz,

Signal Repetition Rate

1 Hz, according to EN457

Weighted Sound Level A at 1 m

LA45P024 signal 82 dB

LA45PW024 signal 75 dB

Voltage

24V DC (+/-10%)

Current Consumption

24V DC, 35 mA - 24V AC, 40 mA

Rating	Catalog No.	Price
IP54	LA45P024	\$186.00
IP65	LA45PW024	\$182.00

Discount Schedule SC-50

SERIES 45 - MOUNTING ACCESSORIES

Mounting Accessories

*Spare Bulbs on Page R10



Description	Black Catalog No.	Price
Polycarbonate Cap	LA60098	\$23.00



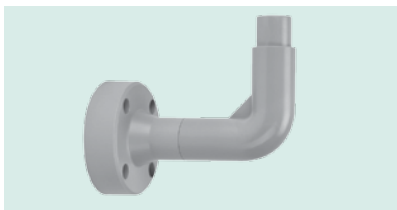
Description	Black Catalog No.	Price
Adaptor for 22mm hole	LA88A22	\$30.00



Description	Gray Catalog No.	Black Catalog No.	Price
Polycarbonate Base	LA5401	LA5410	\$24.00



Description	Gray Catalog No.	Black Catalog No.	Price
Polycarbonate Extension Tube - 4"	LA8801	LA8810	\$10.00



Description	Gray Catalog No.	Black Catalog No.	Price
Polycarbonate 90° Base	LA5409	LA5490	\$34.00

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Discount Schedule SC-50

ASSEMBLED LIGHT ALERT SERIES 45 - REQUEST FORM

Part # assigned by factory: # **LA45** -







(Example LA45 - 0001 = Light Alert; Series 45, issue 0001)

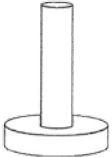
Check and complete appropriate boxes:

Voltage: **24V AC/DC** (only voltage available)

Bulb Type: **LED** (only available in LED)

R17

	<u>POSITION</u>	<u>STYLE</u>	<u>COLOR</u>
	Position # 5	_____	_____
	Position # 4	_____	_____
	Position # 3	_____	_____
	Position # 2	_____	_____
	Position # 1	_____	_____
	Terminal;	<input type="checkbox"/> Gray	<input type="checkbox"/> Black



Starting at Position #1 fill in the style and color of each position needed. Please note; if selecting "audio" style, this must be the last or top position.

Style Selection:




- **STEADY Light** (6 ultra bright LED's)
 - **AUDIO** (Select either...)
- continuous** **intermittent**

Color Selection for STEADY LIGHT:


- **(R) Red**
- **(A) Amber**
- **(Y) Yellow**
- **(G) Green**
- **(B) Blue**
- **(C) Clear**

Terminal Base mounts directly to fixture, optional bases and extensions available below.

Optional Bases: (Base color will be identical to terminal color selected)

4" Base 
 90° Base 
 22mm Hole 

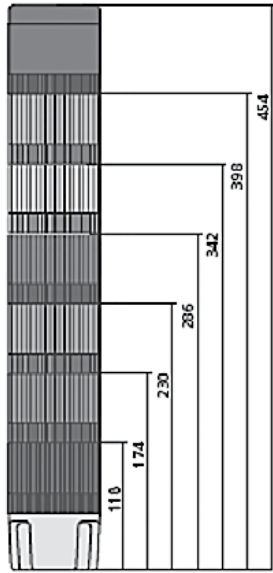
Optional Extensions: (Extension color will be identical to terminal color selected)

4" Extension 

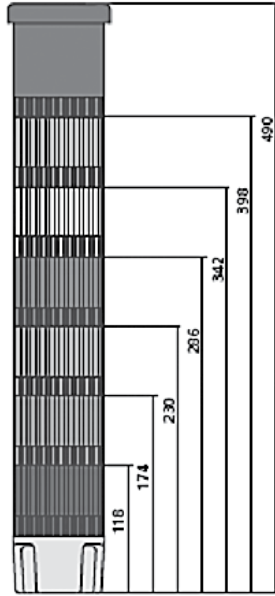
DIMENSIONAL DATA

“Series 70” and “Series 45” Dimensional Diagrams

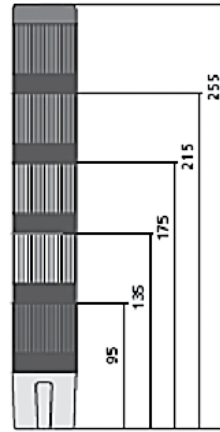
R18



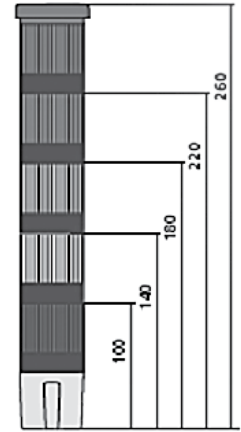
370
IP 64



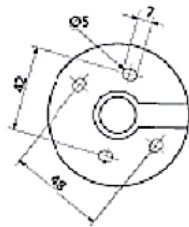
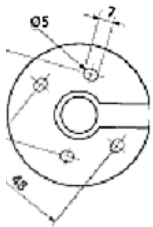
370
IP 54



450
IP 64



450
IP 54



MULTI-COLOR SINGLE LIGHT



SPRINGER
controls company

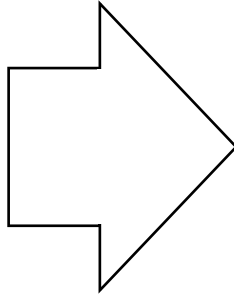
Springer Controls is the North American distributor for Texelco, an Italian based lighting manufacturer. We specialize in visual and audio indicators. We carry a complete line of stacking indicating lights, multi-color single lights, and dome lighting.

Index
S

MULTI-COLOR SINGLE LIGHT

Description	S2
Features / Technical Information	S3
Part Number & Pricing	S3

DESCRIPTION



The Multi-color lamp can also stack an audio signal* device.

* Consult factory.

S2

Springer Controls “Multi-color” single light unit is a change from the standard 3 unit stacking lights. It can be 3 colors within one unit, one single lamp indicates the different conditions of a machine and can include audio as well.

Features

- Used as a single multi-color lamp; an alternative to the 3 color stacking unit.
- 24V DC, 70mm diameter
- Illuminated by means of ultra bright LED's.
- The only multi-color lamp unit which can be used with an audio signal device.
- Variety of bases and mounting accessories available.

S 3

Technical Information

Conformity to Standards	EN60947.5.1 EN457	EN60073 EN981	EN60529 IEC536	EN6068-2-6
Material	Polycarbonate; 70mm diameter			
Voltage	24V DC (+/- 10%)			
Current Consumption	90 mA			
Protection Degree	IP64			
Operating Temperature	-4 °F to 122 °F			

Part Number & Pricing*

Type	Catalog No.	Price
Three-color - Lamp with Audio Green, Amber and Red	LA94T7B	\$452.00
Three-color Lamp Green, Amber and Red	LA94T1B	\$351.00

* See page R9 for mounting accessories.

NOTES

S 4

DOMES LIGHTING



SPRINGER
controls company

Springer Controls is the North American distributor for Texelco, an Italian based lighting manufacturer. We specialize in visual and audio indicators. We carry a complete line of stacking indicating lights, multi-color single lights, and dome lighting.

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T

SERIES 180 DOME LIGHTING

- Features - Series 180 Dome Lighting T2
- Ordering Instruction & Technical Specifications T3
- Constant Dome Lighting:
24V, 115V, 240V (AC/DC)..... T4
- Flashing or Constant Light:
24V AC/DC, 115V AC, 240V AC T5
- Xenon Lamps: 24V AC/DC T5
- LED Lamps with Audio Signals: 24V AC/DC T6
- One & Two Light Housings T6
- Dome Base Fittings T7
- Bulbs; LED & Filament T8
- Enclosure Dimensions T8
- Light Fitting Dimensions T9
- Lamp Dimensions T10

SERIES 180 DOME LIGHTING

Springer Controls Series 180 Dome Lighting act as single indicating devices with extreme flexibility. There are 8 different ways of assembly, 4 kinds of illumination to choose from and 2 types of domes.

Series 180 Dome Lighting - Features

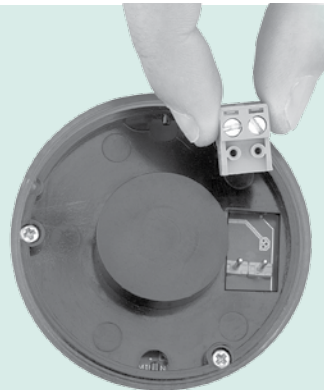


Modular visual and audio indicators

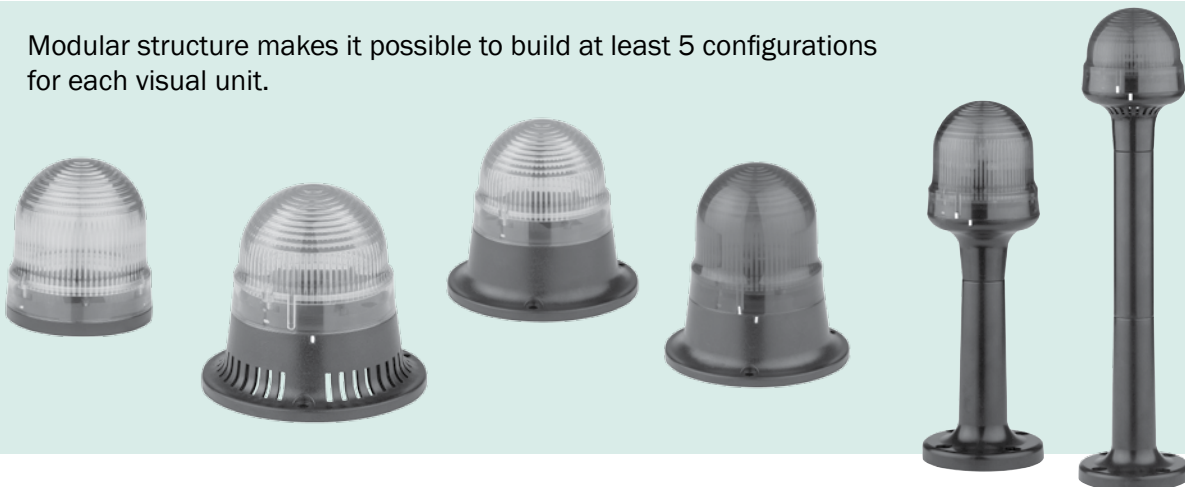


A simple bayonet system simplifies the mounting and maintenance which can be performed in complete safety.

The wiring unit can be easily reached and extracted, thus simplifying the wiring operation.



Modular structure makes it possible to build at least 5 configurations for each visual unit.



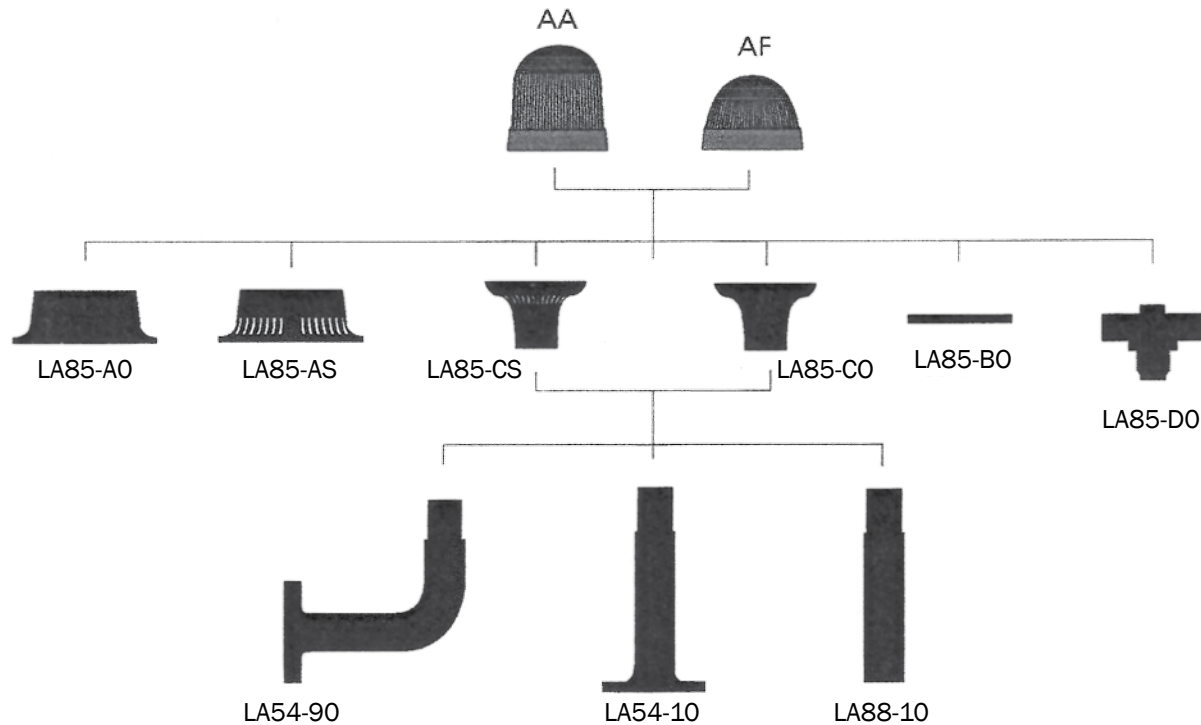
T2

SERIES 180 STRUCTURE & TECHNICAL SPECIFICATIONS

Ordering Instructions

Complete Unit = Dome Style (Part #; pages T4 to T6) + Fitting Type (Part#; page T7)

Structure



T3

Technical Specifications

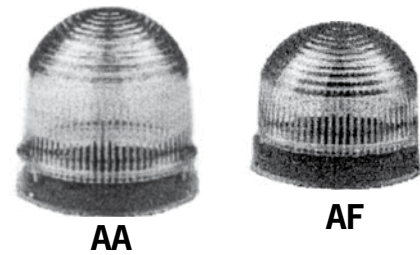
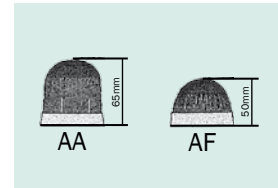
Compliance	EEC Low Voltage directive no. 73/23 and following amendments (directive no. 94/68)
Conformity to Standards	EN 60947.5.1 EN 60073 EN 60529 EN 60068.2.6 EN 457 EN 981 IEC 536
Material	Polycarbonate
Voltage	250V
Protection Degree	IP 54 - clamps IP 20 - According to EN 60529
Protection against Electrical Shock	Class II, Double Insulation. According to IEC 536
Operating Temperature	-4°F - 104°F
Resistance to Vibrations	2g min. (10-150 Hz) according to EN 60068.2.6
Color of Domes	Amber - Blue - Yellow - Red - Green - Clear; according to EN 60073
Bulb	Bayonet mounting, Type BA 15d - 5W max. with flash circuit; Xenon lamp
Connections	By means of screw clamps with binding post (gauge; max 1,5 mm ²) The wiring unit is under the light element.

SERIES 180 DOME STYLE

LED Lamps - Flashing or Constant Dome Lighting; LED

- To change the function, just move the jumper located inside.
- Available in 24V AC/DC LED only (included)

Illumination: 6 ultra bright LED's
 Duration: > 50.000 working hours
 Voltage: 24V AC/DC
 Current Consumption: 24V AC/DC - 40 mA
 Flash Frequency: approx. 1,4 Hz (84 flashes per minute) according to EN 60073



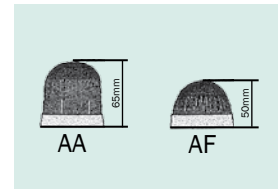
Color	Tall Dome AA 24V AC/DC	Short Dome AF 24V AC/DC	Price
Red	LAAA42BL	LAAF42BL	\$145.00
Amber	LAAA43BL	LAAF43BL	\$145.00
Yellow	LAAA44BL	LAAF44BL	\$145.00
Green	LAAA45BL	LAAF45BL	\$145.00
Blue	LAAA46BL	LAAF46BL	\$145.00
Clear	LAAA49BL	LAAF49BL	\$145.00

T4

Constant Dome Lighting; Filament Bulb or LED

Bulb with bayonet connection type BA 15d 5W max

Voltage: 24V - 115 V - 240V (AC/DC)
 Current Consumption:
 with incandescent 5W bulbs: 24V, 210 mA / 115V, 43 mA / 240V, 22 mA
 with LED bulbs : 24V, > a 50 mA / 115V, >a 18 mA / 240V, >17 mA



Constant Light Units - Filament bulb included - Tall Dome (AA); (For Small Dome; change 4th character from "A" to "F")

Color	24V AC/DC	120V AC	240V AC	Price
Red	LAAA1224	LAAA1215	LAAA1230	\$68.00
Amber	LAAA1324	LAAA1315	LAAA1330	\$68.00
Yellow	LAAA1424	LAAA1415	LAAA1430	\$68.00
Green	LAAA1524	LAAA1515	LAAA1530	\$68.00
Blue	LAAA1624	LAAA1615	LAAA1630	\$68.00
Clear	LAAA1924	LAAA1915	LAAA1930	\$68.00

Constant Light Units - LED bulb included - Tall Dome (AA); (For Small Dome; change 4th character from "A" to "F")

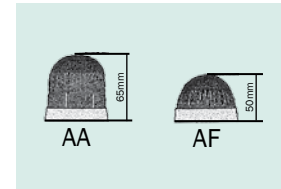
Color	24V AC/DC	Price	120V AC	240V AC	Price
Red	LAAA12424	\$130.00	LAAA12415	LAAA12430	\$178.00
Amber	LAAA13424	\$130.00	LAAA13415	LAAA13430	\$178.00
Yellow	LAAA14424	\$130.00	LAAA14415	LAAA14430	\$178.00
Green	LAAA15424	\$208.00	LAAA15415	LAAA15430	\$274.00
Blue	LAAA16424	\$208.00	LAAA16415	LAAA16430	\$274.00
Clear	LAAA19424	\$208.00	LAAA19415	LAAA19430	\$274.00

Discount Schedule SC-50

SERIES 180 DOME STYLE

Flashing or Constant Light Lamps

- To change the function, just move the jumper which is inside.
- Available with Filament or LED bulb; variety of voltages
- Bulb with bayonet connection type BA15d, 5W max



Voltage: 24V (AC/DC), 115V (AC), 240V (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 / 240V, <a 17 mA

Constant Light

with incandescent 5W bulbs: 24V, 210 mA / 115V, 43 mA / 240V, 22 mA

with LED bulbs: 24V, <a 50 mA / 115V, <a 18 mA / 240V, <a 17 mA

Flash Frequency: approx. 1,4 Hz (84 flashes per minute) according to EN 60073

Constant or Flashing Light Units - Filament bulb incl. - Tall Dome (AA); (For Small Dome; change 4th character from "A" to "F")

Color	24V AC/DC	120V AC	240V AC	Price
Red	LAAA2224	LA-AA2215	LAAA2230	\$94.00
Amber	LAAA2324	LA-AA2315	LAAA2330	\$94.00
Yellow	LAAA2424	LA-AA2415	LAAA2430	\$94.00
Green	LAAA2524	LA-AA2515	LAAA2530	\$94.00
Blue	LAAA2624	LA-AA2615	LAAA2630	\$94.00
Clear	LAAA2924	LA-AA2915	LAAA2930	\$94.00

Constant or Flashing Light Units - LED bulb included - Tall Dome (AA); (For Small Dome; change 4th character from "A" to "F")

Color	24V AC/DC	Price	120V AC	240V AC	Price
Red	LAAA22424	\$156.00	LAAA22415	LAAA22430	\$211.00
Amber	LAAA23424	\$156.00	LAAA23415	LAAA23430	\$211.00
Yellow	LAAA24424	\$156.00	LAAA24415	LAAA24430	\$211.00
Green	LAAA25424	\$235.00	LAAA25415	LAAA25430	\$306.00
Blue	LAAA26424	\$235.00	LAAA26415	LAAA26430	\$306.00
Clear	LAAA29424	\$292.00	LAAA29415	LAAA29430	\$375.00

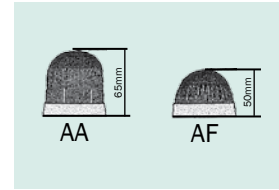
T5

SERIES 180 DOME STYLE / HOUSINGS

LED Lamps with Audio Signal Device

- Flashing light - intermittent sound; constant light - continuous sound
- To change the function just shift the jumper located inside

Illumination: 6 ultra bright LED's
Duration: > 50,000 working hours
Voltage: 24V AC/DC
Current Consumption: 24V AC/DC, 55 mA both with steady light - continuous sound and with flashing light - intermittent sound
Flash Frequency: approx. 1,4 Hz (84 flashes per minute) according to EN 60073
Sound Frequency: 3500 Hz
Weighed Sound Level A at One Meter: intermittent signal 75 dB
 continual signal 72 dB



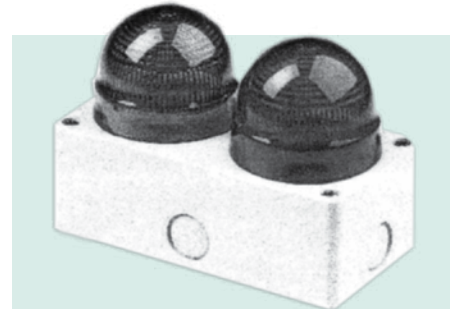
LED with Audible Signal - Tall Dome (AA); (For Small Dome; change 4th character from "A" to "F")

Color	Flash Lt/Pulse Sound	Steady Lt/Continuous Sound	Price
Red	LAAA42ABL	LAAA42ABF	\$180.00
Amber	LAAA43ABL	LAAA43ABF	\$180.00
Yellow	LAAA44ABL	LAAA44ABF	\$180.00
Green	LAAA45ABL	LAAA45ABF	\$201.00
Blue	LAAA46ABL	LAAA46ABF	\$201.00
Clear	LAAA49ABL	LAAA49ABF	\$201.00

T6

One & Two Light Housing

Dimensions
 For one indicator: 70 x 70 x 51
 For two indicators: 70 x 140 x 51
Protection Degree: IP65
Material: ABS (RAL 7035)
Operating Temperature: -25°C to +70°C



Housing for 2 indicators

Description	Catalog No.	Price
Housing for 1 indicator*	LACS1001	\$32.00
Housing for 2 indicators*	LACS1002	\$52.00

*Light and base adaptor are sold separately.
See page T8 for dimensions

Discount Schedule SC-50

SERIES 180 DOME BASE FITTINGS

Fittings



Base: Ø 85mm

LA85A0	\$18.00
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Base: Ø 85mm for audio applications

LA85AS	\$18.00
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Thin Base: Ø 60mm

LA85B0	\$18.00
--------	---------



Base: Ø 60mm, for Ø 22mm holes

LA85D0	\$21.00
--------	---------



Base: Ø 60mm, for Ø 22mm holes for audio applications

LA85DS	\$21.00
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Adapter Element

LA85C0	\$18.00
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Base: Ø 70mm, with integrated tube H 100mm

LA5410	\$24.00
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Extension Tube: Height 100 mm

LA8810	\$10.00
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Adapter Element for audio applications

LA85CS	\$18.00
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Polycarbonate Base: Ø 70mm, with extension tube for 90° fixing

LA5490	\$34.00
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Metal Base with polycarbonate tube for 90° fixing

LA54MP9	\$67.00
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Metal Base and tube for 90° fixing

LA54MM9	\$67.00
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T7

For detailed technical dimensions see page T9 & T10

Discount Schedule SC-50

LED AND FILAMENT BULBS / DIMENSIONS

LED Bulbs - Type BA15d

Bulb: LED BA 15d - 9 LED's
 Duration: >than 50,000 working hours
 Maintenance: No maintenance or service costs
 Perfect Operation: even in case of strong vibrations and hits
 Current Consumption: 24V DC/AC, <50 mA / 115V AC, <18 mA / 240V, <17 mA

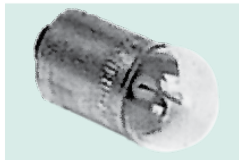


To be used with devices whose domes have the same colors as the LEDs

LED Bayonet Base 15d Bulbs. Used for "Dome" lighting; frontal & lateral light

Color	24V DC/AC	Price	115V AC	230V AC	Price
Red	LA11VB2	\$100.00	LA11VF2	LA11VG2	\$121.00
Amber	LA11VB3	\$100.00	LA11VF3	LA11VG3	\$59.00
Yellow	LA11VB4	\$100.00	LA11VF4	LA11VG4	\$121.00
Green	LA11VB5	\$195.00	LA11VF5	LA11VG5	\$217.00
Blue	LA11VB6	\$195.00	LA11VF6	LA11VG6	\$217.00
Clear	LA11VB9	\$264.00	LA11VF9	LA11VG9	\$286.00

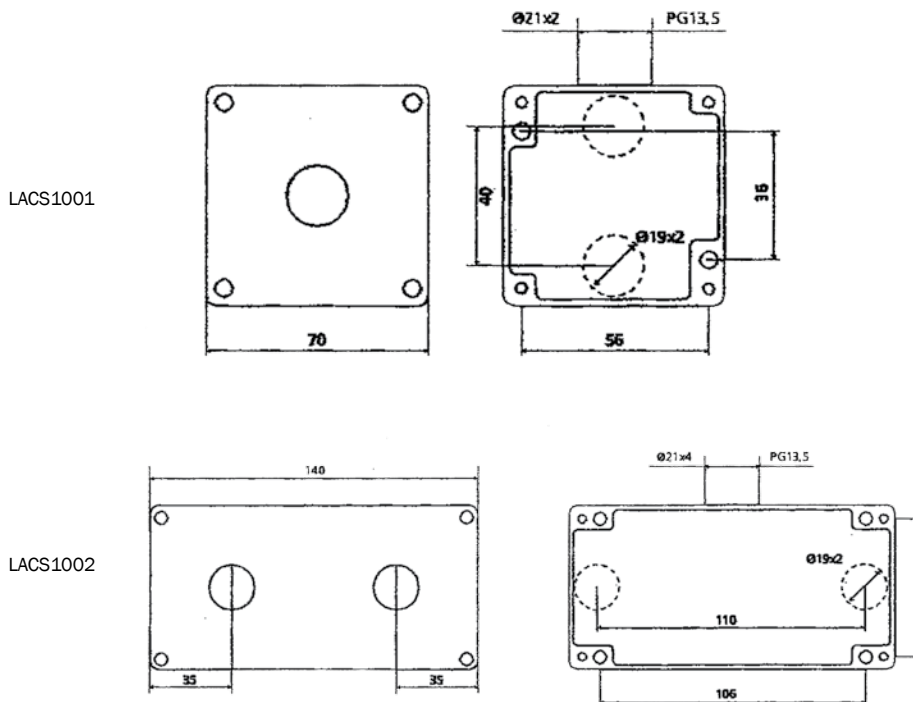
Filament Bulb



Bulb: BA 15d
 Duration: 2000 hours
 Filament: shock-proof

Description	Part#	Price
24V - 5W	LA11S24	\$7.00
115V - 5W	LA11E15	\$7.00
240V - 5W	LA11E30	\$7.00

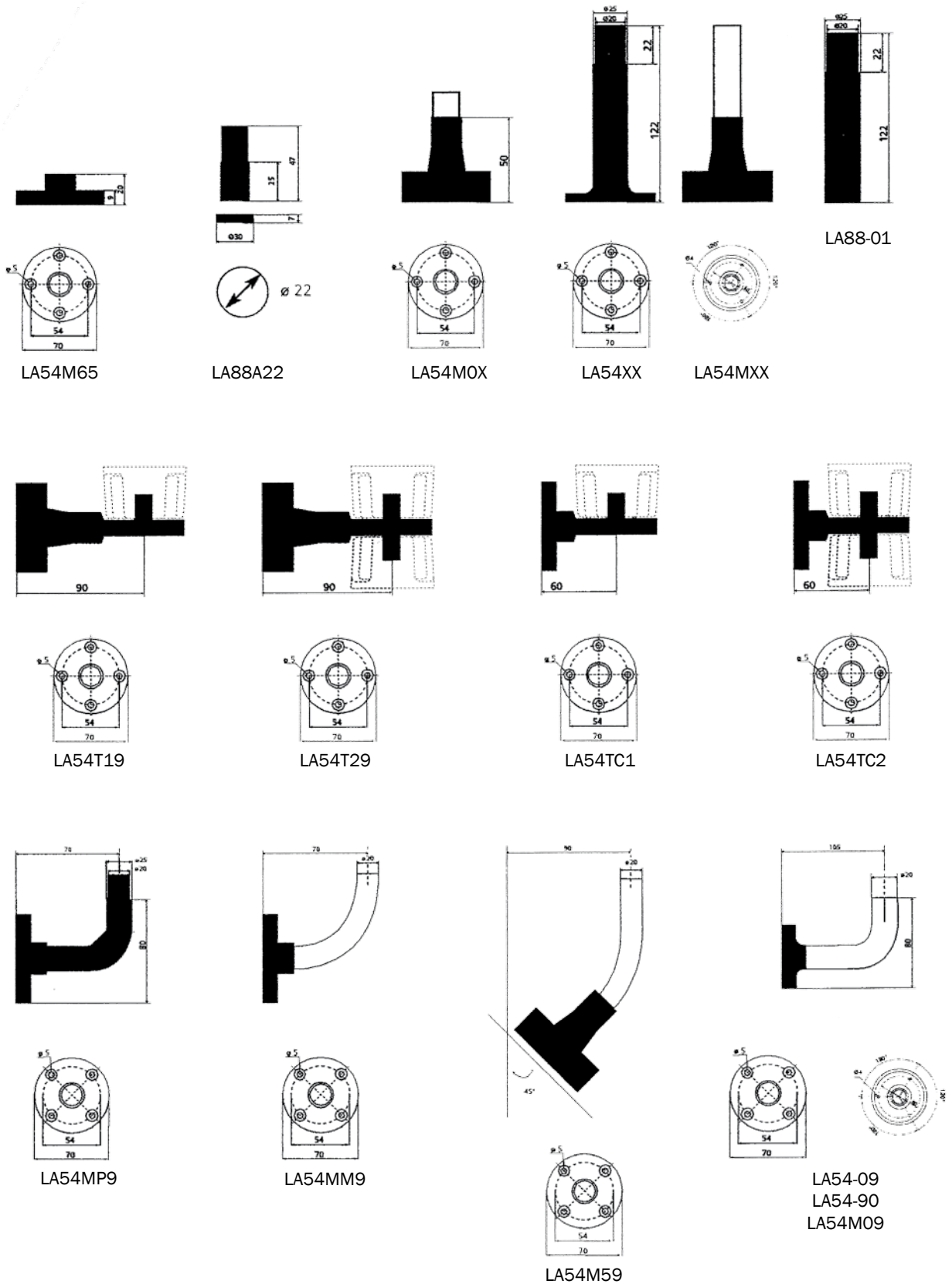
Technical Dimensions - Housings



Discount Schedule SC-50

SERIES 180 FITTINGS DIMENSIONS

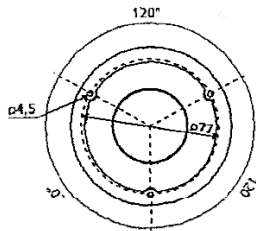
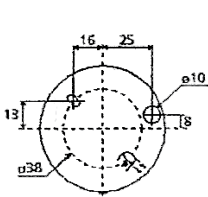
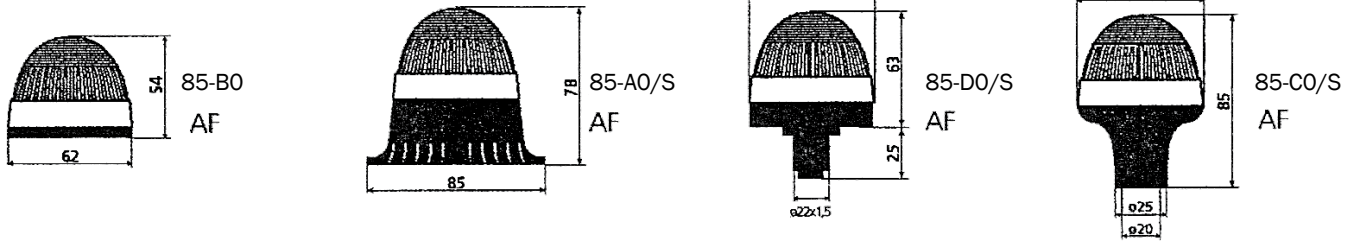
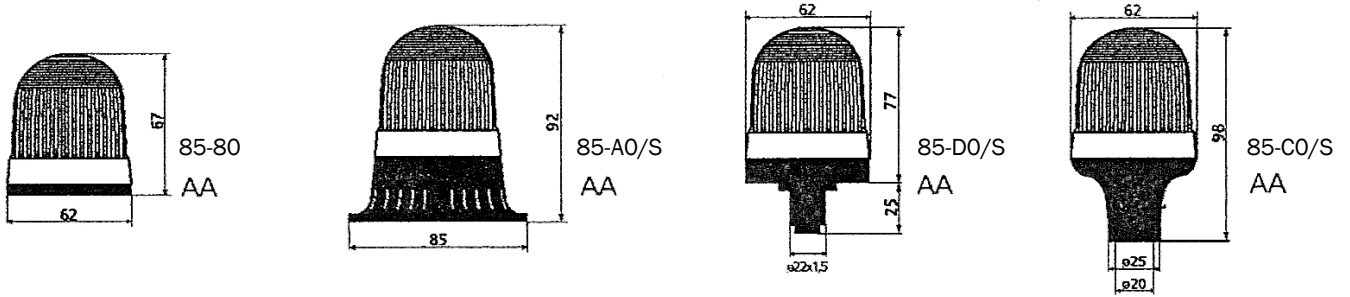
Fittings Dimensions



T9

LAMP DIMENSIONS

Technical Diagrams - Lamps



T10