

# *VISUAL AND AUDIO INDICATORS*



*TYPE 370*

**TEXELCO STACK LIGHTS**

TEXELCO has manufactured signal systems for industry since the mid 70s, addressing the need for warning signals on machinery to provide a safe environment for operators and ensuring continuing operation of the equipment on which our lights are installed.

Our visual signal system is visible from a considerable distance and from any angle.

Based on the use of colours as a code, our system makes machine-to-operator communication immediate and easy. As a complement to our range, we have added flashing indication, LED indicators and audio indicators, all fully integrated within our signal towers.

**A Great Alternative**

Our product experience obtained from 25 years within this field, has enabled us to produce a new type of indicator, combining first-class technical solutions with a particularly elegant design.

The most important feature of our range 370 is the outstanding modular concept.

A bayonet mounting through a simple manual operation allows a quick method of joining the modules together and simultaneously electrically connect them.

One terminal unit can be combined with up to seven modular signal units. In real terms this means that we can offer an excellent range of indicators (constant, flashing, rotating). You are now able to install a range of visual and audio indicators with no equal.

The captive screw cable connectors, located within the terminal unit are easy to reach and guarantee a quick and neat electrical connection.

The special design also makes maintenance easy as it can be carried out in complete safety and without tools. Several ways of fixing, simplicity of installation and the availability of an extension unit of the same diameter as light modules, make this product suitable to satisfy the demands of most customers requirements, especially when appearance features as an important aspect of the machine application.

The high quality of materials used to manufacture the lenses ensures that the light output is of the highest luminous intensity, combined with a sturdy construction and a good resistance to aging.

Finally as usual we also considered the environment and decided to manufacture these new indicators from recyclable materials.

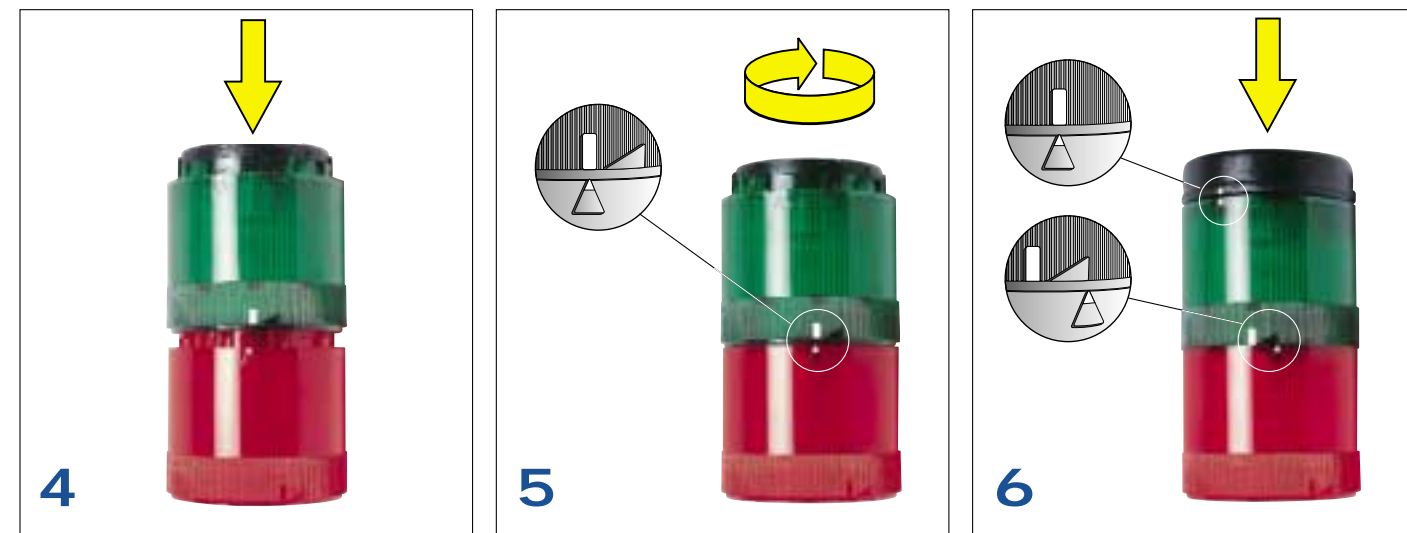


**MODULAR SYSTEM**

Place signal unit onto terminal unit (pic.1) align guiding marks and twist clockwise till they click locked (pic. 2-3).



Follow the same steps above to add more signal units (pic. 4-5-6). The audio indicator can be only mounted as final top unit, as it is complete with a top cover.



To fix extension tube (base always included), insert it into opening on the underside of the terminal unit and tighten screw on the side (pic. 7). To reach the screw cable clamp terminals, remove black disc first, prising with a small screwdriver (pic. 8). Connect to terminals (coloured units are numbered from base to top). To place terminal back into position, align the guiding marks (pic. 9) and press inwards.



**TECHNICAL DATA**

**Conformity to standards**  
 EEC regulation 89/336 Electromagnetic Compatibility - EEC regulation 73/23 Low Voltage, including the following amendment EEC 94/68. TEXELCO indicators are made and tested in full compliance with EN 60947-5-1. UL in process.

**Materials**  
 Visual and audio signal units, terminal unit, top cover and base: polycarbonate  
 Extension tube: anodized aluminium

**Rated Insulated voltage**  
 250 V max.

**Operating Temperature**  
 - 20° C + 40° C

**Degree of protection**  
 IP 64 (indicators must be correctly assembled with top cover, gasket or conduit fitting) according to EN 60529

**Colours**  
 Amber - blue - yellow - clear - red - green, according to EN 60073

**Lamp type**  
 Steady/flashing incandescent units: bayonet type Ba 15d 7W max.  
 Flashing units (strobe): Xenon lamps.

**Number of combined units**  
 Each terminal unit can be combined with up to seven modular units (except for the special single beacon which can be combined with up to two units).

**Connection**  
 Captive screw cable connectors (maximum cable size 1.5 mm<sup>2</sup>)

**Connection Id. Code**  
 < C > common to all signal units. Units are numbered 1 / 7 from base to top (for the special single beacon 1 / 2)

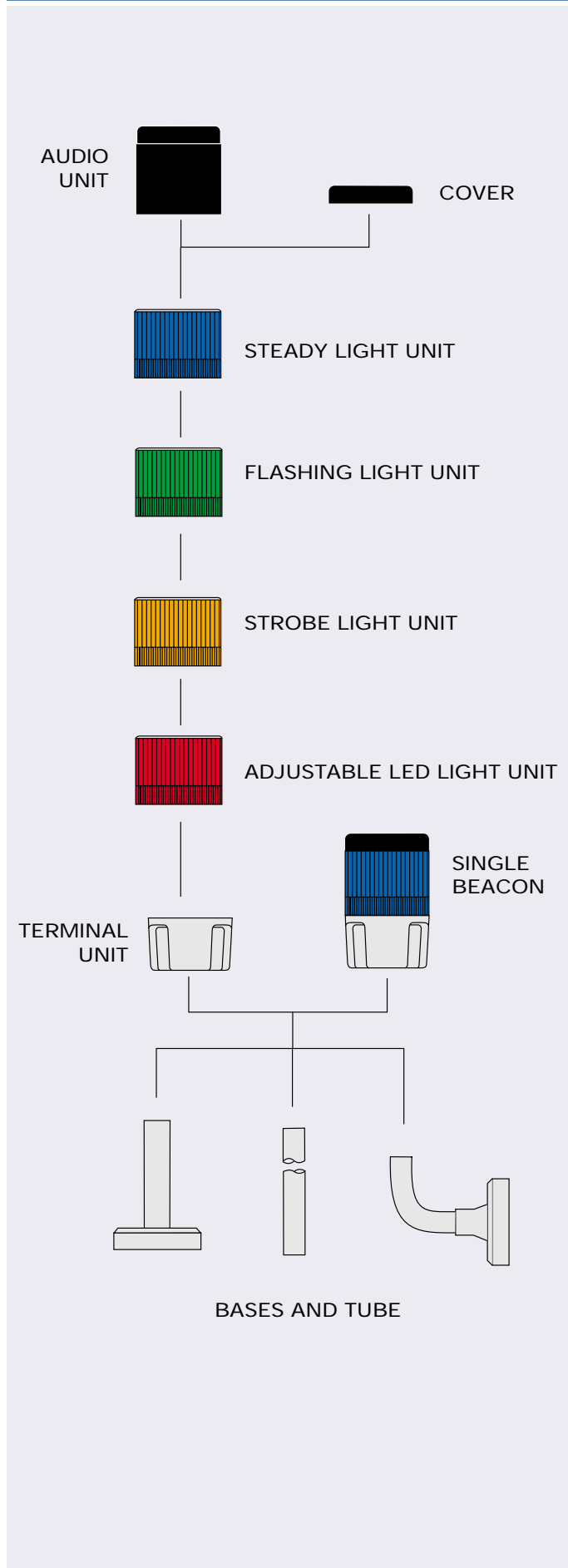
**Mounting of the units**  
 Necessary average torque: 2.4 Nm

**Unfastening of the units**  
 Necessary average torque: 2,3 Nm

**Resistance to vibrations**  
 2 g minimum (10 - 150 Hz) according EN 60068-2-6 (three light unit more a terminal unit)

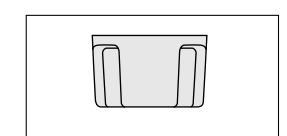
**Fixing**  
 Direct through terminal unit or with base and tube.

**STRUCTURE**



**TERMINAL UNIT**

Terminal unit are always with top cover and gasket.  
 Type 90: for fixing direct terminal unit or with base and plastic tubes.  
 Type 90M: for fixing on bases with metallic tubes.



**Terminal block type:** captive screw cable clamp terminals.

**Maximum cable size:** 1,5 mm<sup>2</sup>

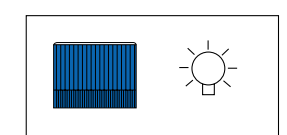
**Connection :** C - common  
 1 / 7 - modules (modules are numbered from base to top)  
 (for the special single beacon 1/2)



ORDER CODES AND DATA		
90-01	GRAY	☐
90-02	BLACK	☐
90M01	GRAY	⊕
90M02	BLACK	⊕

**STEADY light unit with filament lamp or LED lamp**

**Lamp type:** Ba 15d - 5 W  
**Supply voltage:** 24 V - 115 V - 240 V DC/AC



**Current consumption:** 24 V, 210 mA - 115 V, 43 mA - 240 V, 22 mA  
 (values taken with 5W filament lamps)

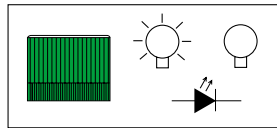


COLOUR	ORDER CODES AND DATA	
	12-240V AC-DC	
●	12-00	
●	13-00	
●	14-00	
●	15-00	
●	16-00	
●	19-00	

Lamps not included.

**FLASHING light unit with filament lamp or LED lamp**

Lamp type: BA 15d - 5 W  
 Supply voltage: 24 V - 115 V - 240 V DC/AC  
 Current consumption: 24 V DC, 130 mA - 24V AC, 145 mA - 115 V DC/AC, 25 mA - 240 V DC/AC, 15 mA (values taken with 5W filament lamps)  
 Flash frequency: ca. 1.4 Hz (84 flashes per min.) according to EN 60073

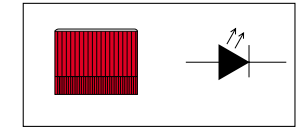


FILAMENT				LED			
COLOUR	ORDER CODE AND DATA			COLOUR	ORDER CODE AND DATA		
	24V DC-AC	115V AC	240V AC		24V DC-AC	115V AC	240V AC
●	22-24	22-15	22-30	●	22-4B	22-4F	22-4G
●	23-24	23-15	23-30	●	23-4B	23-4F	23-4G
●	24-24	24-15	24-30	●	24-4B	24-4F	24-4G
●	25-24	25-15	25-30	●	25-4B	25-4F	25-4G
●	26-24	26-15	26-30	●	26-4B	26-4F	26-4G
●	29-24	29-15	29-30	●	29-4B	29-4F	29-4G

Filament lamps included                      Led lamps included

**ADJUSTABLE LED light unit**

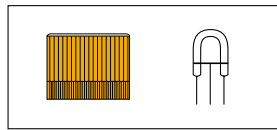
Light type: High-luminosity LEDs. Light mode: steady/flashing /rotating. Adjustable by removing or inserting the bridge in the printed circuit. Unlimited life, > 100.000 hours  
 Supply voltage: 24 V DC/AC  
 Current consumption: 24 V DC, 55 mA - 24V AC, 85 mA (for all types of light)  
 Flash frequency: ca. 1.4 Hz (84 flashes per min.) according to EN 60073  
 Rotation frequency: ca. 1 rotation p.sec.



COLOUR	ORDER CODE AND DATA	
	24V DC-AC	
●	42-24	
●	43-24	
●	44-24	
●	45-H4	
●	46-H4	
●	49-H4	

**FLASHING light unit (STROBE) with xenon lamp**

Lamp type: 4 Joule xenon lamp  
 Supply voltage: 24 V DC/AC - 115 V AC - 240 V AC  
 Current consumption: 24 V DC, 75 mA - 24V AC, 135 mA - 115 V, 20 mA - 240 V, 15 mA  
 Flash frequency: ca. 1.4 Hz (84 flashes per min.) according to EN 60073

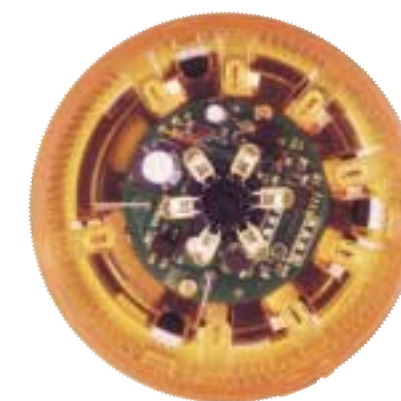
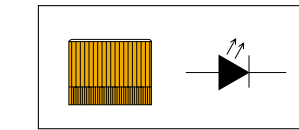


COLOUR	ORDER CODE AND DATA		
	24V DC-AC	115V AC	240V AC
●	32-24	32-15	32-30
●	33-24	33-15	33-30
●	34-24	34-15	34-30
●	35-24	35-15	35-30
●	36-24	36-15	36-30
●	39-24	39-15	39-30

Xenon lamps included

**STEADY OR FLASHING light unit**

Light type: 6 high-luminosity LEDs, steady or flashing. Adjustable by moving the bridge in the printed circuit. Unlimited life, > 100.000 hours  
 Supply voltage: 24 V DC/AC  
 Current consumption: steady or flashing light, 30 mA (for all types of light)  
 Flash frequency: ca. 1.4 Hz (84 flashes per min.) according to EN 60073



COLOUR	ORDER CODE AND DATA	
	24V DC-AC	
●	42-KB	
●	43-KB	
●	44-KB	
●	45-KB	
●	46-KB	
●	49-KB	

### AUDIO UNIT TYPE 77 IP64

The audio indicator can only be mounted as final top unit, as it is complete with a top cover.  
 Type 77-24, 77-15 or 77-30 pulsating or constant tone (adjustable by removing or inserting the bridge JP1 in the printed circuit)

**Audio frequency:** max 2600 Hz according to EN457

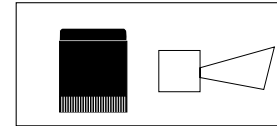
**Tone:** pulsating or constant

**Sound level at 1 m:**  
 Type 77-24: Signal intermittent 84,5 dB, A - continual 81 dB, A  
 Type 77-15: Signal intermittent 78 dB, A - continual 75 dB, A  
 Type 77-30: Signal intermittent 78 dB, A - continual 75 dB, A

**Supply voltage:** Type 77-24: 24 V DC/AC  
 Type 77-15: 115 V AC  
 Type 77-30: 240 V AC

**Current consumption:** Type 77-24: DC/AC, 200mA  
 Type 77-15: AC, 40mA  
 Type 77-30: AC, 30mA

**Degree of protection:** IP64



ORDER CODE AND DATA		
24V	115V	240V
77-24	77-15	77-30

### AUDIO UNIT TYPE 75 IP54

The audio indicator can only be mounted as final top unit, as it is complete with a top cover. Type 75-MB 16 sounds can be selected by means of the dip switch. Type 75-24, 75-15 or 75-30 pulsating or constant tone (adjustable by removing or inserting the bridge JP1 in the printed circuit)

**Audio frequency:** max 2600 Hz according to EN457

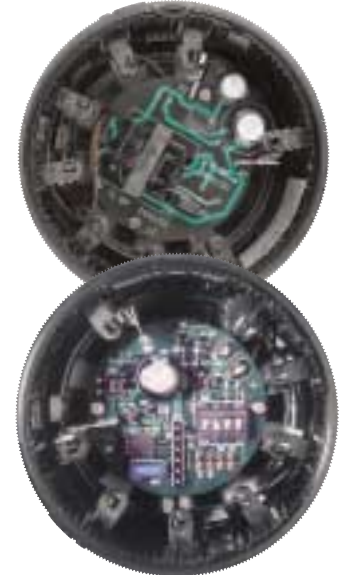
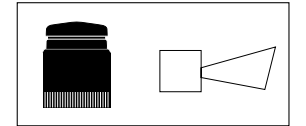
**Tone:** pulsating or constant

**Sound level at 1 m:**  
 Type 75-MB: 16 sound max 90 dB, A  
 Type 75-24: Signal intermittent 100 dB, A - continual 97 dB, A  
 Type 75-15: Signal intermittent 95 dB, A - continual 93 dB, A  
 Type 75-30: Signal intermittent 95 dB, A - continual 93 dB, A

**Supply voltage:** Type 75-MB or 75-24: 24 V DC/AC  
 Type 75-15: 115 V AC  
 Type 75-30: 240 V AC

**Current consumption:** Type 75-MB: DC/AC, 40mA  
 Type 75-24: DC/AC, 200mA  
 Type 75-15: AC, 40mA  
 Type 75-30: AC, 30mA

**Degree of protection:** IP54



ORDER CODE AND DATA			
24V	24V	115V	240V
75-MB	75-24	75-15	75-30

### AUDIO UNIT TYPE 72 IP64

The audio indicator can only be mounted as final top unit, as it is complete with a top cover.

**Audio frequency:** 3.300 Hz

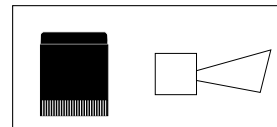
**Pulsating tone frequency:** 1 Hz

**Sound level at 1 m:** 76 dB

**Supply voltage:** 24 V DC/AC

**Current consumption:** 24 V DC, 32 mA - 24 V AC, 100 mA

**Degree of protection:** IP64



ORDER CODE AND DATA
24V DC/AC
72-24

### AUDIO UNIT TYPE 73 IP54

The audio indicator can only be mounted as final top unit, as it is complete with a top cover.

**Audio frequency:** +/- 2900 Hz

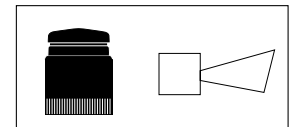
**Pulsating tone frequency:** 0,5 Hz

**Sound level at 1 m:** 90 dB (A)

**Supply voltage:** 24 V DC/AC

**Current consumption:** 20 mA

**Degree of protection:** IP54



ORDER CODE AND DATA
24V DC/AC
73-24

## LED AND FILAMENT LAMPS

### LED LAMP

Lamp base, BA 15d

Unlimited life, > 100.000 hours.

No cost of maintenance.

Perfect operation with vibrations and hits.

Very low power consumption: 24 V DC/AC, < 50 mA - 115 V AC, < 18 mA - 240 V, <17 mA.

The dome of the unit must have the same colour as the LED.

COLOUR	ORDER CODE AND DATA		
	24V DC-AC	115V AC	240V AC
●	11NB2	11NF2	11NG2
●	11NB3	11NF3	11NG3
●	11NB4	11NF4	11NG4
●	11NB5	11NF5	11NG5
●	11NB6	11NF6	11NG6
●	11NB9	11NF9	11NG9



### FILAMENT LAMP

Lamp base, BA 15d

Filament, shock-proff

Duration: 2.000 hours

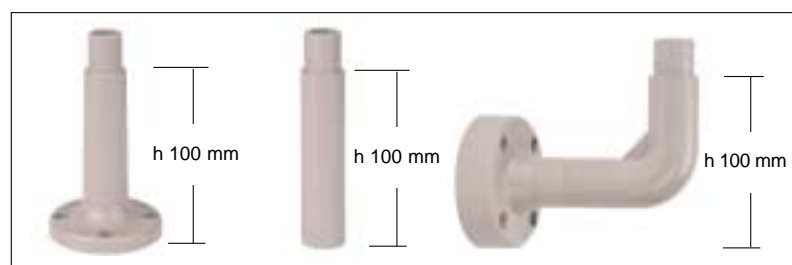
ORDER CODE AND DATA		
24V/5W	130V/5W	260V/5W
11S24	11E15	11E30

## BASES WITH TUBE (for tubes lengths see drawing H)

BASE WITH PLASTIC TUBE	100 mm	200 mm	300 mm	400 mm	500 mm	90° fixing
gray Ø 80	80-01	80-02	80-03	80-04	80-05	80-09
gray Ø 70	54-01	54-02	54-03	54-04	54-05	54-09
black Ø 80	80-10	80-20	80-30	80-40	80-50	80-90
black Ø 70	54-10	54-20	54-30	54-40	54-50	54-90

BASE WITH METALLIC TUBE	100 mm	200 mm	300 mm	400 mm	500 mm	90° fixing
gray Ø 80	80M01	80M02	80M03	80M04	80M05	80M09
gray Ø 70	54M01	54M02	54M03	54M04	54M05	54M09
black Ø 80	80M10	80M20	80M30	80M40	80M50	80M90
black Ø 70	54M10	54M20	54M30	54M40	54M50	54M90

EXTENSION TUBE h 100 mm	
gray	88-01
black	88-10



## SPECIAL SINGLE BEACON

Single visual and audio beacons complete with terminal unit and gasket

Special single beacon which can be combined with up to two units.

The other technical characteristics are identical to those of all series 370.

It is possible to add one extra visual or audio unit to be chosen among our modular units.

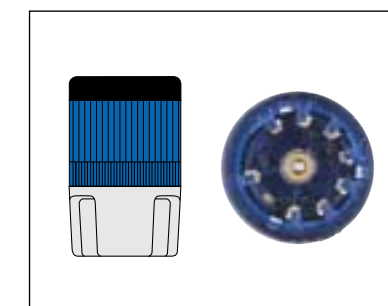


## Visual beacons steady light with filament lamp or LED lamp

GREY			BLACK		
COLOUR	ORDER CODES AND DATA		COLOUR	ORDER CODES AND DATA	
	12-240V AC-DC			12-240V AC-DC	
●	01200		●	91200	
●	01300		●	91300	
●	01400		●	91400	
●	01500		●	91500	
●	01600		●	91600	
●	01900		●	91900	

Lamps not included.

Lamps not included.

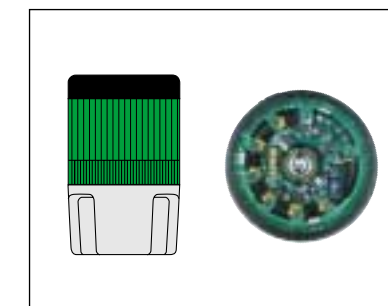


## Visual beacons flashing light with filament lamp or LED lamp

GREY				BLACK			
COLOUR	ORDER CODE AND DATA			COLOUR	ORDER CODE AND DATA		
	24V DC-AC	115V AC	240V AC		24V DC-AC	115V AC	240V AC
●	02224	02215	02230	●	92224	92215	92230
●	02324	02315	02330	●	92324	92315	92330
●	02424	02415	02430	●	92424	92415	92430
●	02524	02515	02530	●	92524	92515	92530
●	02624	02615	02630	●	92624	92615	92630
●	02924	02915	02930	●	92924	92915	92930

Filament lamps included

Filament lamps included



GREY				BLACK			
COLOUR	ORDER CODE AND DATA			COLOUR	ORDER CODE AND DATA		
	24V DC-AC	115V AC	240V AC		24V DC-AC	115V AC	240V AC
●	0224B	0224F	0224G	●	9224B	9224F	9224G
●	0234B	0234F	0234G	●	9234B	9234F	9234G
●	0244B	0244F	0244G	●	9244B	9244F	9244G
●	0254B	0254F	0254G	●	9254B	9254F	9254G
●	0264B	0264F	0264G	●	9264B	9264F	9264G
●	0294B	0294F	0294G	●	9294B	9294F	9294G

Led lamps included

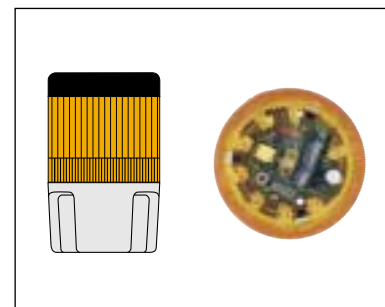
Led lamps included

### Visual beacons flashing xenon

COLOUR	GREY ORDER CODE AND DATA			COLOUR	BLACK ORDER CODE AND DATA		
	24V DC-AC	115V AC	240V AC		24V DC-AC	115V AC	240V AC
●	03224	03215	03230	●	93224	93215	93230
●	03324	03315	03330	●	93324	93315	93330
●	03424	03415	03430	●	93424	93415	93430
●	03524	03515	03530	●	93524	93515	93530
●	03624	03615	03630	●	93624	93615	93630
●	03924	03915	03930	●	93924	93915	93930

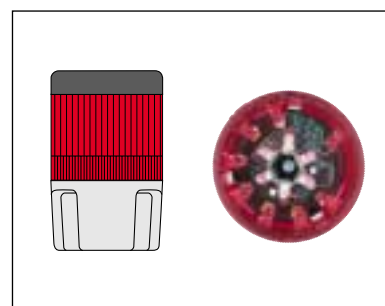
Xenon lamps included

Xenon lamps included



### Visual beacons LED - Adjustable light

COLOUR	GREY ORDER CODE AND DATA	COLOUR	BLACK ORDER CODE AND DATA
	24V DC-AC		24V DC-AC
●	04224	●	94224
●	04324	●	94324
●	04424	●	94424
●	045H4	●	945H4
●	046H4	●	946H4
●	049H4	●	949H4



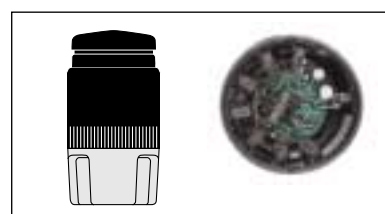
### Visual beacons LED - steady or flashing

COLOUR	GREY ORDER CODE AND DATA			COLOUR	BLACK ORDER CODE AND DATA		
	24V DC-AC	115V AC	240V AC		24V DC-AC	115V AC	240V AC
●	042K4			●	942K4		
●	043K4			●	943K4		
●	044K4			●	944K4		
●	045K4			●	945K4		
●	046K4			●	946K4		
●	049K4			●	949K4		



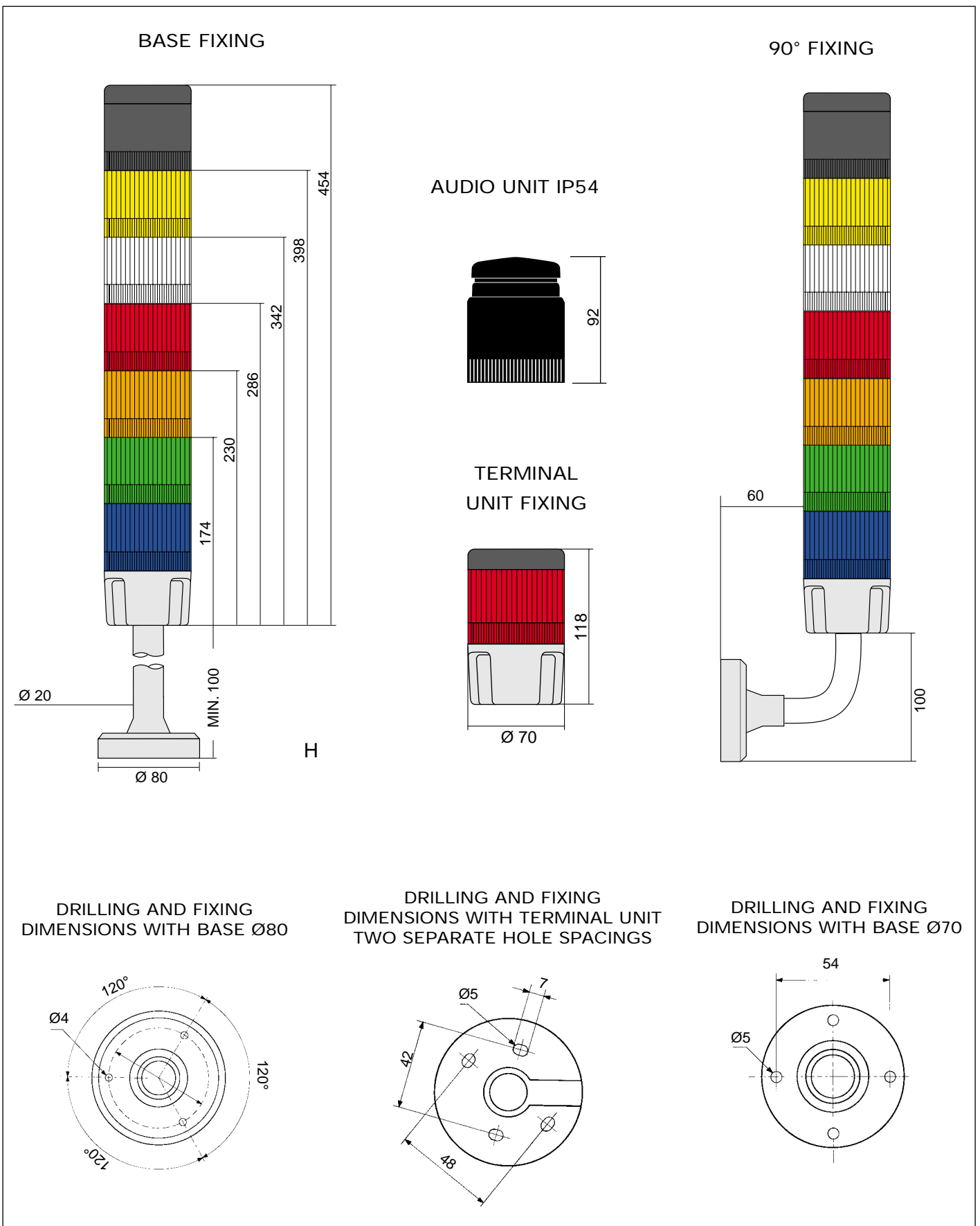
### Audio beacons

	GREY ORDER CODE AND DATA				BLACK ORDER CODE AND DATA		
	24V DC-AC	115V AC	240V AC		24V DC-AC	115V AC	240V AC
IP54	07324			IP54	97324		
IP64	07224			IP64	97224		
IP54	07524			IP54	97524		
IP54	075MB	07515	07530	IP54	975MB	97515	97530
IP64	07724	07715	07730	IP64	97724	97715	97730



### OVERALL DIMENSIONS

Overall dimensions are the same for all the indicators 370 (steady, blinking, flashing or LED light).  
The audio indicator can only be mounted as final top unit.







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