Eco-Modul 70 modular Signal tower

- Ø 70 mm modular signal tower series
- Complete range of high-luminosity LED light modules with steady/flashing/strobe/multi-strobe beacon functions, 6 different lens colours
- High-performance steady/strobe/multi-strobe beacon modules
- Alternatively operated with conventional incandescent bulb technology
- Piezo buzzer and multi-tone alarm sounder modules available
- Pre-assembled towers or individual tower modules available for configuration
- Extensive range of mounting types
- User-friendly connection technology
- PLC-suitable
- High degree of protection IP66, UL type 4/4X/13



TECHNICAL DATA

Housing	Ø 70 mm, Polycarbonate black
Lens	Polycarbonate, ribbed inside orange, red, clear, blue, green or yellow
Type of mounting	any
Connection technology	up to 2,5mm² / 14 AWG
Leakage current	> 0,003 A (PLC-suitable)
Beacon type	LED steady beacon, LED flashing beacon, LED strobe beacon, HP LED steady beacon, HP LED strobe beacon, HP LED multi strobe beacon or Steady beacon (incandescent bulb)
Light source	12 LEDs, 4 high-power LEDs, incandescent bulb
Strobe/flash frequency	Flashing beacon 2 Hz, strobe beacon 1.4 Hz, multi strobe beacon 1–2.6 Hz
Tone	Steady tone or Pulsing tone
Volume	100 dB
Tone frequency	500-2.700 Hz
Duty cycle	100 %
Service life	Light source: LED 100,000 hours, HP LED 50,000 hours
Number of possible modules	max. 5, with double bracket max. 10
Operating temperature	-30 °C / +60 °C
Degree of protection	IP66 & UL Type 4/4×/13
Weight (modules)	72-102 g



Eco-Modul 70 Pre-configured Signal towers

Modular



Order number: ECO70-Q01
Colours: red/orange/green
Function: LED steady beacon
Nominal voltage: 24 V AC/DC
Type of mounting: Tube mounting
(100 mm tube length)



Order number: ECO70-Q02
Colours: red/green
Function: LED steady beacon
Nominal voltage: 24 V AC/DC
Type of mounting: Tube mounting
(100 mm tube length)



Order number: ECO70-Q05
Colours: red/orange/green/blue
Function: LED steady beacon
Nominal voltage: 24 V AC/DC
Type of mounting: Tube mounting
(100 mm tube length)

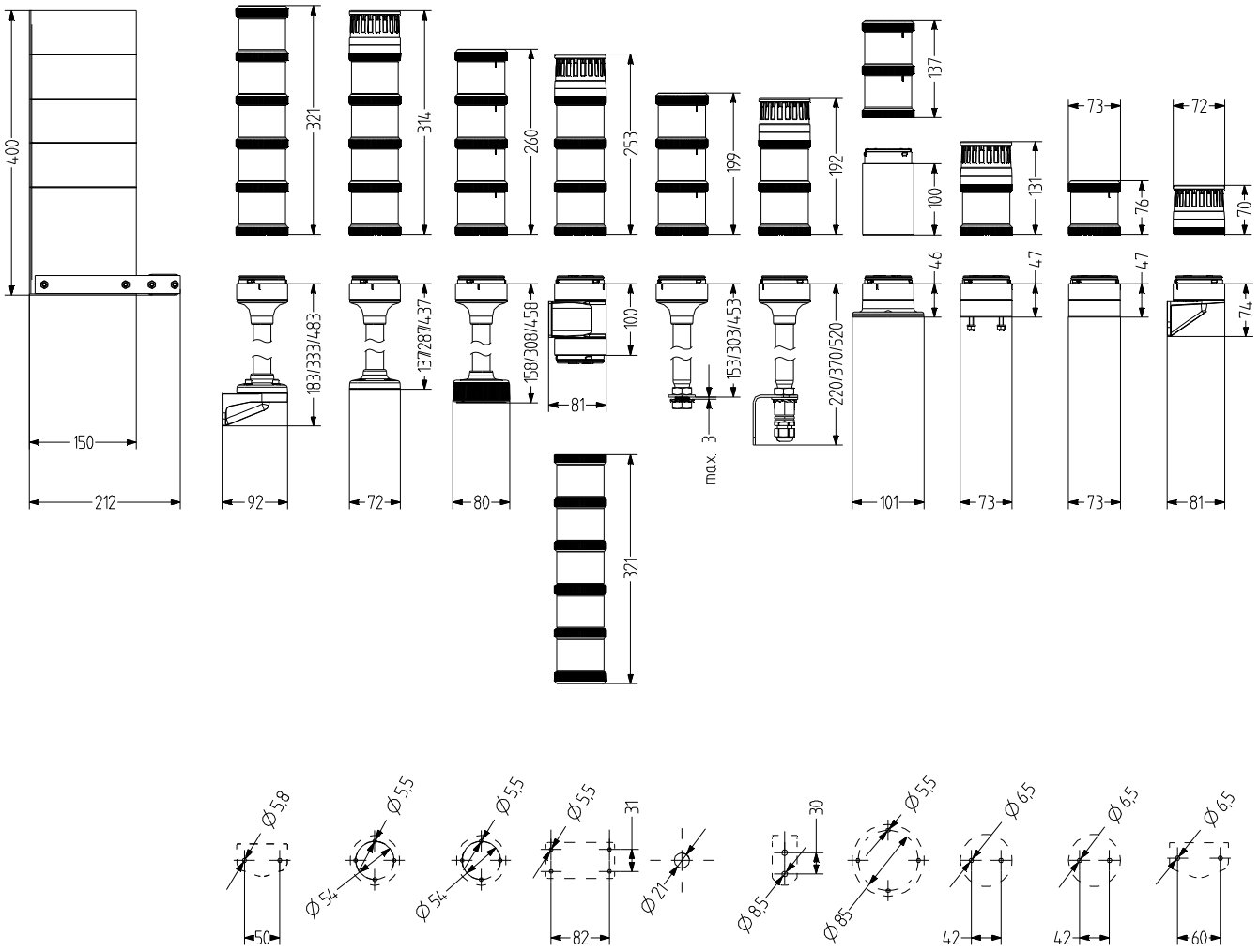


Order number: ECO70-Q31
Colours: red/orange/green
Function: LED steady beacon, buzzer steady or pulsing tone
Nominal voltage: 24 V AC/DC
Type of mounting: Tube mounting
(100 mm tube length)



Order number: ECO70-Q81
Colours: red/orange/green
Function: LED steady beacon, buzzer steady or pulsing tone
Nominal voltage: 230 V AC
Type of mounting: Tube mounting
(100 mm tube length)

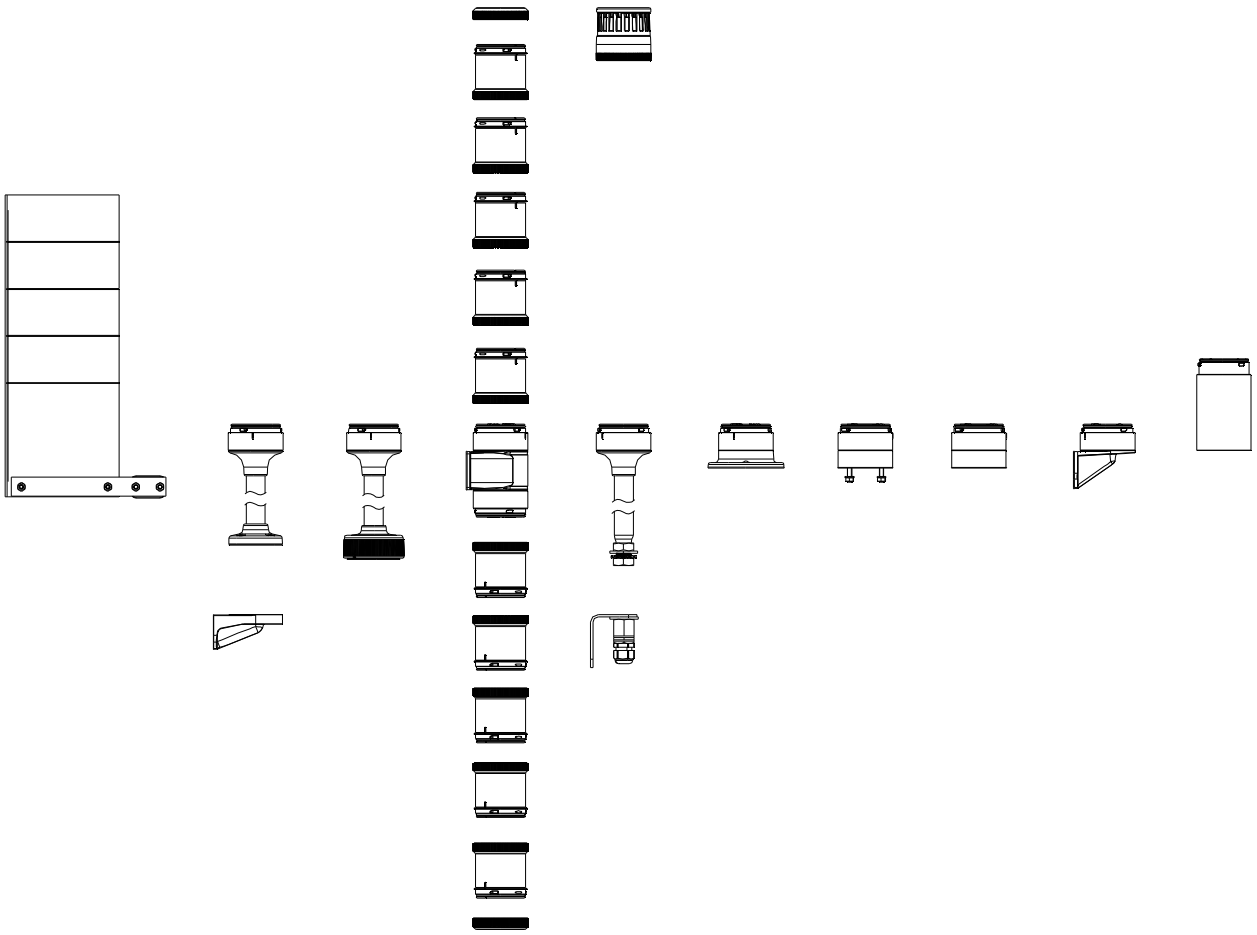
Eco-Modul 70


400
150
212
321
314
260
253
199
192
137
100
131
73
72
76
70
183/333/483
137/287/437
158/308/458
100
81
153/303/453
max. 3
220/370/520
46
47
47
74
92
72
80
101
73
73
81
321

Ø 5.8
50
Ø 5.5
Ø 5.4
Ø 5.5
Ø 5.4
Ø 5.5
31
Ø 21
82
30
Ø 8.5
Ø 5.5
Ø 8.5
Ø 6.5
42
Ø 6.5
42
Ø 6.5
60

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Modular



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VISUAL MODULES

Type	Beacon type	Lens colour	Nominal voltage	Voltage range (V)	Nominal current (A)	Order number
XLL	Steady beacon	orange	12-250 V AC/DC		7 W	900 001 900
		red	12-250 V AC/DC		7 W	900 002 900
		clear	12-250 V AC/DC		7 W	900 004 900
		blue	12-250 V AC/DC		7 W	900 005 900
		green	12-250 V AC/DC		7 W	900 006 900
		yellow	12-250 V AC/DC		7 W	900 007 900
XDC	LED steady beacon	orange	24 V AC/DC	+/- 10 %	0,049-0,054	900 011 405
			110-120 V AC	+/- 10 %	0,028-0,031	900 011 310
			230-240 V AC	+/- 10 %	0,027-0,028	900 011 313
		red	24 V AC/DC	+/- 10 %	0,049-0,054	900 012 405
			110-120 V AC	+/- 10 %	0,028-0,031	900 012 310
			230-240 V AC	+/- 10 %	0,027-0,028	900 012 313
		clear	24 V AC/DC	+/- 10 %	0,049-0,054	900 014 405
			110-120 V AC	+/- 10 %	0,028-0,031	900 014 310
			230-240 V AC	+/- 10 %	0,027-0,028	900 014 313
		blue	24 V AC/DC	+/- 10 %	0,049-0,054	900 015 405
			110-120 V AC	+/- 10 %	0,028-0,031	900 015 310
			230-240 V AC	+/- 10 %	0,027-0,028	900 015 313
		green	24 V AC/DC	+/- 10 %	0,049-0,054	900 016 405
			110-120 V AC	+/- 10 %	0,028-0,031	900 016 310
			230-240 V AC	+/- 10 %	0,027-0,028	900 016 313
		yellow	24 V AC/DC	+/- 10 %	0,049-0,054	900 017 405
			110-120 V AC	+/- 10 %	0,028-0,031	900 017 310
			230-240 V AC	+/- 10 %	0,027-0,028	900 017 313
XDA	LED flashing beacon	orange	24 V AC/DC	+/- 10 %	0,058	900 021 405
			110-120 V AC	+/- 10 %	0,028-0,030	900 021 310
			230-240 V AC	+/- 10 %	0,030-0,031	900 021 313
		red	24 V AC/DC	+/- 10 %	0,058	900 022 405
			110-120 V AC	+/- 10 %	0,028-0,030	900 022 310
			230-240 V AC	+/- 10 %	0,030-0,031	900 022 313
		clear	24 V AC/DC	+/- 10 %	0,058	900 024 405
			110-120 V AC	+/- 10 %	0,028-0,030	900 024 310
			230-240 V AC	+/- 10 %	0,030-0,031	900 024 313
		blue	24 V AC/DC	+/- 10 %	0,058	900 025 405
			110-120 V AC	+/- 10 %	0,028-0,030	900 025 310
			230-240 V AC	+/- 10 %	0,030-0,031	900 025 313
		green	24 V AC/DC	+/- 10 %	0,058	900 026 405
			110-120 V AC	+/- 10 %	0,028-0,030	900 026 310
			230-240 V AC	+/- 10 %	0,030-0,031	900 026 313
		yellow	24 V AC/DC	+/- 10 %	0,058	900 027 405
			110-120 V AC	+/- 10 %	0,028-0,030	900 027 310
			230-240 V AC	+/- 10 %	0,030-0,031	900 027 313

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VISUAL MODULES

Type	Beacon type	Lens colour	Nominal voltage	Voltage range (V)	Nominal current (A)	Order number
XDF	LED strobe beacon	orange	24 V AC/DC	+/- 10 %	0,130-0,135	900 031 405
			110-120 V AC	+/- 10 %	0,010	900 031 310
			230-240 V AC	+/- 10 %	0,010	900 031 313
		red	24 V AC/DC	+/- 10 %	0,130-0,135	900 032 405
			110-120 V AC	+/- 10 %	0,010	900 032 310
			230-240 V AC	+/- 10 %	0,010	900 032 313
		clear	24 V AC/DC	+/- 10 %	0,130-0,135	900 034 405
			110-120 V AC	+/- 10 %	0,010	900 034 310
			230-240 V AC	+/- 10 %	0,010	900 034 313
		blue	24 V AC/DC	+/- 10 %	0,130-0,135	900 035 405
			110-120 V AC	+/- 10 %	0,010	900 035 310
			230-240 V AC	+/- 10 %	0,010	900 035 313
		green	24 V AC/DC	+/- 10 %	0,130-0,135	900 036 405
			110-120 V AC	+/- 10 %	0,010	900 036 310
			230-240 V AC	+/- 10 %	0,010	900 036 313
		yellow	24 V AC/DC	+/- 10 %	0,130-0,135	900 037 405
			110-120 V AC	+/- 10 %	0,010	900 037 310
			230-240 V AC	+/- 10 %	0,010	900 037 313
XDC-HP	LED steady beacon	orange	24 V AC/DC	18-36 V AC 18-30 V DC	0,170-0,2	900 051 405
		red	24 V AC/DC	18-36 V AC 18-30 V DC	0,170-0,2	900 052 405
		clear	24 V AC/DC	18-36 V AC 18-30 V DC	0,170-0,2	900 054 405
		blue	24 V AC/DC	18-36 V AC 18-30 V DC	0,170-0,2	900 055 405
		green	24 V AC/DC	18-36 V AC 18-30 V DC	0,170-0,2	900 056 405
		yellow	24 V AC/DC	18-36 V AC 18-30 V DC	0,170-0,2	900 057 405
XDF-HP	LED strobe beacon	orange	24 V AC/DC	18-36 V AC 18-30 V DC	0,26-0,265	900 061 405
		red	24 V AC/DC	18-36 V AC 18-30 V DC	0,26-0,265	900 062 405
		clear	24 V AC/DC	18-36 V AC 18-30 V DC	0,26-0,265	900 064 405
		blue	24 V AC/DC	18-36 V AC 18-30 V DC	0,26-0,265	900 065 405
		green	24 V AC/DC	18-36 V AC 18-30 V DC	0,26-0,265	900 066 405
		yellow	24 V AC/DC	18-36 V AC 18-30 V DC	0,26-0,265	900 067 405
XFF-HP	LED multi strobe beacon	orange	24 V AC/DC	18-36 V AC 18-30 V DC	0,26-0,265	900 071 405
		red	24 V AC/DC	18-36 V AC 18-30 V DC	0,26-0,265	900 072 405
		clear	24 V AC/DC	18-36 V AC 18-30 V DC	0,26-0,265	900 074 405
		blue	24 V AC/DC	18-36 V AC 18-30 V DC	0,26-0,265	900 075 405
		green	24 V AC/DC	18-36 V AC 18-30 V DC	0,26-0,265	900 076 405
		yellow	24 V AC/DC	18-36 V AC 18-30 V DC	0,26-0,265	900 077 405

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AUDIBLE MODULES

Type	Tone	Volume	Nominal voltage	Voltage range (V)	Nominal current (A)	Order number
XDE	Piezo buzzer module steady tone/pulsing tone	100 dB (can be adjusted with potentiometer)	24 V AC/DC	+/- 10 %	0,092	900 500 405
			110-120 V AC	+/- 10 %	0,041	900 500 310
			230-240 V AC	+/- 10 %	0,043	900 500 313
XDZ	Piezo buzzer module steady tone/pulsing tone, 2tones, tone can be switched externally	100 dB (can be adjusted with potentiometer)	24 V AC/DC	+/- 10 %	0,092	900 510 405
			110-120 V AC	+/- 10 %	0,041	900 510 310
			230-240 V AC	+/- 10 %	0,043	900 510 313
XDM	Piezo buzzer module steady tone/pulsing tone, 8 tones	100 dB (can be adjusted with potentiometer)	24 V AC/DC	+/- 10 %	0,311	900 520 405
			110-120 V AC	+/- 10 %	0,045	900 520 310
			230-240 V AC	+/- 10 %	0,043	900 520 313

ORDER DATA - BASE

Type	Type of accessory	Tube length	Order number
XMW	Base for horizontal mounting M20, inside mounting holes		900 570 900
XMS	Base for horizontal mounting with pre-mounted fixing screws		900 571 900
XMF	Base for horizontal mounting with external mounting holes		900 572 900
XMV	Base for vertical mounting for single-sided mounting		900 573 900
XZV	Base for vertical mounting for double-sided mounting		900 574 900
XMR	Tube base 100 mm on aluminium tube with plastic foot	100 mm	900 582 900
	Tube base 250 mm on aluminium tube with plastic foot	250 mm	900 583 900
	Tube base 400 mm on aluminium tube with plastic foot	400 mm	900 584 900
XNW	Tube base		900 570 950
XSW	Tube base 100 mm on aluminium tube for horizontal mounting with banjo bolt	100 mm	900 592 900
	Tube base 250 mm on aluminium tube for horizontal mounting with banjo bolt	250 mm	900 593 900
	Tube base 400 mm on aluminium tube for horizontal mounting with banjo bolt	400 mm	900 594 900
XFR	Quick mounting system 'foot adapter' 100 mm on aluminium tube with foot adapter	100 mm	900 562 900
	Quick mounting system 'foot adapter' 250 mm on aluminium tube with foot adapter	250 mm	900 563 900
	Quick mounting system 'foot adapter' 400 mm on aluminium tube with foot adapter	400 mm	900 564 900


XWR


XSS


XIB


XEP

ACCESSORIES

Type	Type of accessory	Weight	Order number
XWR	Bracket for vertical mounting of TMR/UMR tube base	95 g	900 600 900
XSS	Set Set for vertical mounting (bracket, cable gland)	135 g	900 700 900
XIB	Identification plate	235 g	900 850 900
XEP	Base extension 100 mm long, suitable for all bases		900 800 900