

# MS50 modular signal tower



Modular

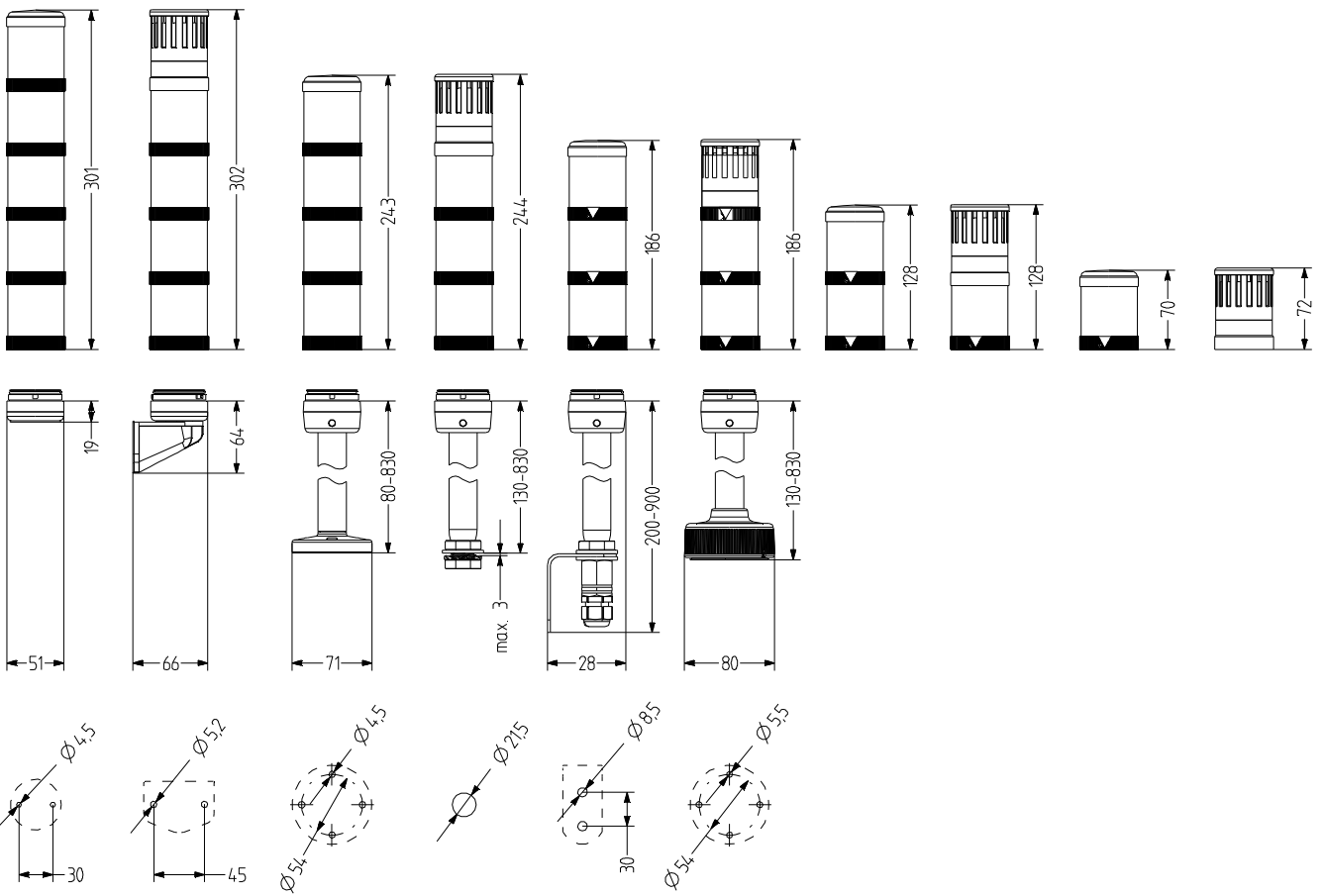
- Ø 50 mm modular signal tower series
- Extensive range of light and tone modules
- LED/xenon/incandescent bulb technology,  
6 different lens colours
- Alternatively operated with conventional  
incandescent bulb technology
- Piezo buzzer modules  
Extensive range of mounting types
- Housing colours black or grey
- PLC-suitable
- High degree of protection IP65, UL type 4/4X/13

## TECHNICAL DATA

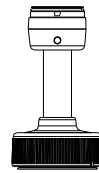
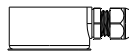
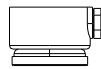
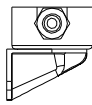
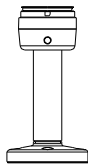
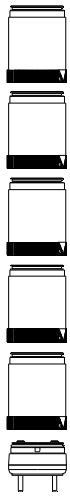
Housing	Ø 50 mm, Polycarbonate black (RAL 9005) or grey (RAL 7035)
Lens	Polycarbonate, ribbed inside orange, red, clear, blue, green or yellow
Type of mounting	any
Connection technology	bis 2,5 mm <sup>2</sup> , B15d socket
Leakage current	0,003 A (PLC-suitable)
Beacon type	LED steady beacon, LED flashing beacon, LED strobe beacon, LED multi strobe beacon, Steady/flashing beacon (incandescent bulb) or Xenon strobe beacon
Light source	LEDs, Xenon flashtube, incandescent bulb
Luminous intensity	1 J Strobe energy
Strobe/flash frequency	Flashing beacon 2 Hz and Strobe beacon 1.4 Hz
Tone	2 Tones, Steady tone or Pulsing tone
Volume	88-103 dB (can be adjusted with DIP switch)
Tone frequency	2.700 Hz
Duty cycle	100 %
Service life	Light source: Xenon tube 10 million flashes, LED 100,000 hours
Number of possible modules	max. 5
Operating temperature	-25 °C / +50 °C
Degree of protection	IP65 & UL Type 4/4x/13
Weight (modules)	55-100 g



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## VISUAL MODULES

Type	Beacon type	Lens colour	Nominal voltage	Voltage range (V)	Nominal current (A)	Order number		
VLL	Steady beacon	orange	12-250 V AC/DC	+/- 10 %		750 001 900		
		red	12-250 V AC/DC	+/- 10 %		750 002 900		
		clear	12-250 V AC/DC	+/- 10 %		750 004 900		
		blue	12-250 V AC/DC	+/- 10 %		750 005 900		
		green	12-250 V AC/DC	+/- 10 %		750 006 900		
		yellow	12-250 V AC/DC	+/- 10 %		750 007 900		
		VLB	Flashing beacon	orange	12-24 V AC/DC	+/- 10 %		760 001 405
110-120 V AC	+/- 10 %					760 001 310		
230-240 V AC	+/- 10 %					760 001 313		
red	12-24 V AC/DC			+/- 10 %		760 002 405		
	110-120 V AC			+/- 10 %		760 002 310		
	230-240 V AC			+/- 10 %		760 002 313		
clear	12-24 V AC/DC			+/- 10 %		760 004 405		
	110-120 V AC			+/- 10 %		760 004 310		
	230-240 V AC			+/- 10 %		760 004 313		
blue	12-24 V AC/DC			+/- 10 %		760 005 405		
	110-120 V AC			+/- 10 %		760 005 310		
	230-240 V AC			+/- 10 %		760 005 313		
green	12-24 V AC/DC			+/- 10 %		760 006 405		
	110-120 V AC			+/- 10 %		760 006 310		
	230-240 V AC			+/- 10 %		760 006 313		
yellow	12-24 V AC/DC			+/- 10 %		760 007 405		
	110-120 V AC			+/- 10 %		760 007 310		
	230-240 V AC			+/- 10 %		760 007 313		
VDC	LED steady beacon			orange	110-120 V AC	+/- 10 %	0,033	751 001 310
					230-240 V AC	+/- 10 %	0,036	751 001 313
					24 V AC/DC	+/- 10 %	0,029	751 001 405
				red	110-120 V AC	+/- 10 %	0,033	751 002 310
					230-240 V AC	+/- 10 %	0,036	751 002 313
					24 V AC/DC	+/- 10 %	0,029	751 002 405
				clear	110-120 V AC	+/- 10 %	0,033	751 004 310
					230-240 V AC	+/- 10 %	0,036	751 004 313
					24 V AC/DC	+/- 10 %	0,029	751 004 405
		blue	110-120 V AC	+/- 10 %	0,033	751 005 310		
			230-240 V AC	+/- 10 %	0,036	751 005 313		
			24 V AC/DC	+/- 10 %	0,029	751 005 405		
		green	110-120 V AC	+/- 10 %	0,033	751 006 310		
			230-240 V AC	+/- 10 %	0,036	751 006 313		
			24 V AC/DC	+/- 10 %	0,029	751 006 405		
		yellow	110-120 V AC	+/- 10 %	0,033	751 007 310		
			230-240 V AC	+/- 10 %	0,036	751 007 313		
			24 V AC/DC	+/- 10 %	0,029	751 007 405		

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## VISUAL MODULES

Type	Beacon type	Lens colour	Nominal voltage	Voltage range (V)	Nominal current (A)	Order number
VDF	LED strobe beacon	orange	110-120 V AC	+/- 10 %	0,024	771 001 310
			230-240 V AC	+/- 10 %	0,024	771 001 313
			24 V AC/DC	+/- 10 %	0,089	771 001 405
		red	110-120 V AC	+/- 10 %	0,024	771 002 310
			230-240 V AC	+/- 10 %	0,024	771 002 313
			24 V AC/DC	+/- 10 %	0,089	771 002 405



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## VISUAL MODULES

Type	Beacon type	Lens colour	Nominal voltage	Voltage range (V)	Nominal current (A)	Order number
VLF	Xenon strobe beacon	orange	12-24 V AC/DC	+/- 10 %	0,070	770 001 405
			110-120 V AC	+/- 10 %	0,026	770 001 310
			230-240 V AC	+/- 10 %	0,015	770 001 313
		red	12-24 V AC/DC	+/- 10 %	0,070	770 002 405
			110-120 V AC	+/- 10 %	0,026	770 002 310
			230-240 V AC	+/- 10 %	0,015	770 002 313
		clear	12-24 V AC/DC	+/- 10 %	0,070	770 004 405
			110-120 V AC	+/- 10 %	0,026	770 004 310
			230-240 V AC	+/- 10 %	0,015	770 004 313
		blue	12-24 V AC/DC	+/- 10 %	0,070	770 005 405
			110-120 V AC	+/- 10 %	0,026	770 005 310
			230-240 V AC	+/- 10 %	0,015	770 005 313
		green	12-24 V AC/DC	+/- 10 %	0,070	770 006 405
			110-120 V AC	+/- 10 %	0,026	770 006 310
			230-240 V AC	+/- 10 %	0,015	770 006 313
		yellow	12-24 V AC/DC	+/- 10 %	0,070	770 007 405
			110-120 V AC	+/- 10 %	0,026	770 007 310
			230-240 V AC	+/- 10 %	0,015	770 007 313

## AUDIBLE MODULES

Type	Tone	Volume	Nominal voltage	Housing colour	
				black	grey
VDE	Piezo buzzer module	88-103 dB	12 V AC/DC	781 500 404	781 100 404
			24 V AC/DC	781 500 405	781 100 405
			110-120 V AC	781 500 310	781 100 310
			230-240 V AC	781 500 313	781 100 313
VDZ	Piezo buzzer module, tone can be switched externally	88-103 dB	12 V AC/DC	782 500 404	782 100 404
			24 V AC/DC	782 500 405	782 100 405
			110-120 V AC	782 500 310	782 100 310
			230-240 V AC	782 500 313	782 100 313

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## ORDER DATA - BASE

Type	Designation	Tube length	Housing colour	
			grey	black
VMW	Base for horizontal mounting M20		790 120 900	790 520 900
VMV	Base for vertical mounting NPT 1/2"		790 140 900	790 540 900
VMR	Tube base mounted on aluminium tube with plastic foot	100 mm	790 142 900	790 542 900
		250 mm	790 143 900	790 543 900
VSR	Tube base on stainless steel tube with die-cast zinc foot, powder-coated	100 mm	790 152 900	790 552 900
VSW	Tube base for horizontal mounting with banjo bolt	100 mm	790 172 900	790 572 900
		250 mm	790 173 900	790 573 900
VFR	Tube base on aluminium tube with foot adapter for quick mounting	100 mm	790 182 900	
		250 mm	790 183 900	790 584 900



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