

# MS50

the Proven

## FEATURES

- complete offering of led steady, flashing, strobe and multi-strobe beacons
- modular signal tower system with bayonet locking
- quick to put together and easy, cost- effective to dismantle for transportation

## INDUSTRY/APPLICATION

- plant/mechanical/construction engineering
- logistics facilities
- electrical wholesale



## MS50 modular signal tower

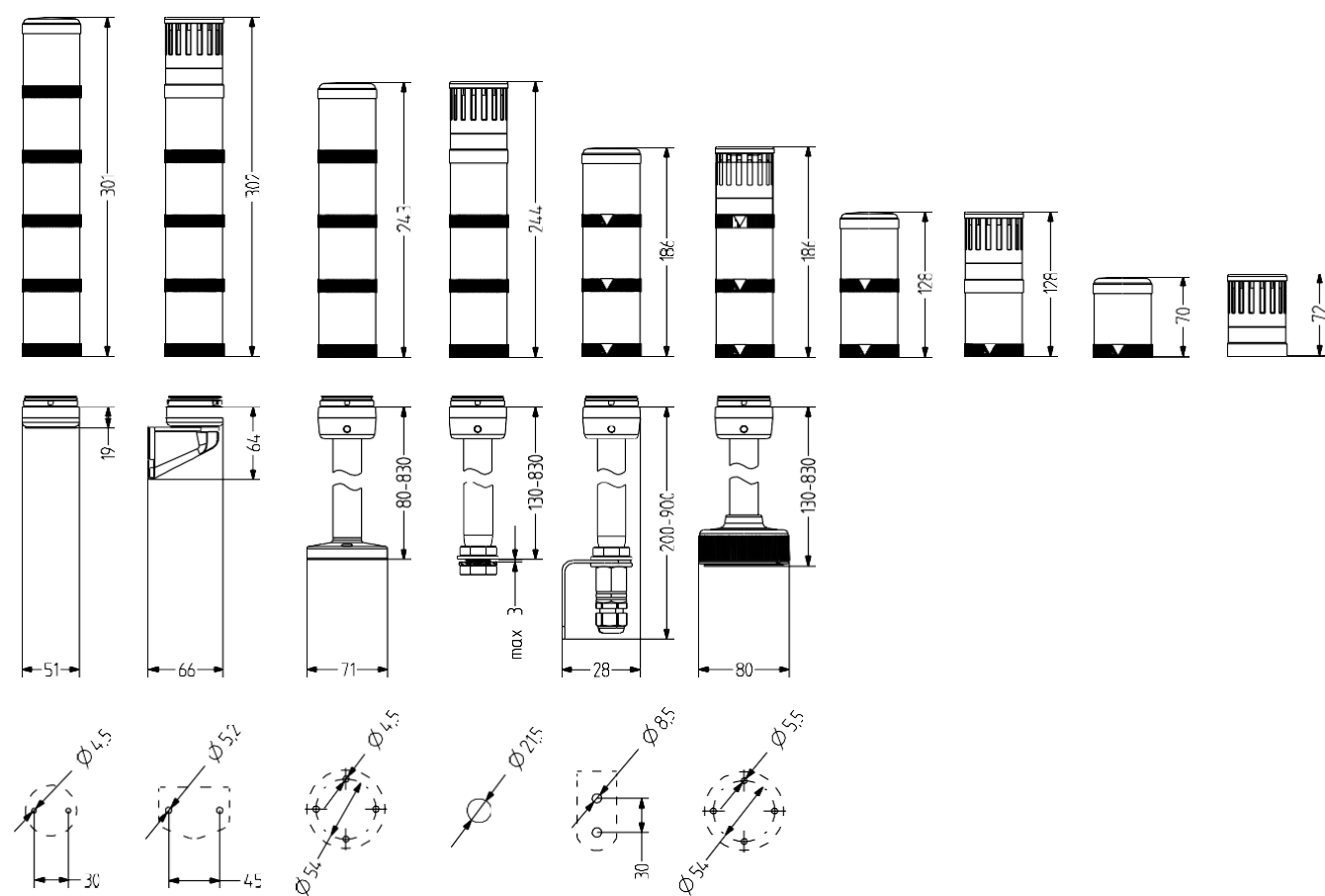
- Ø 50 mm | 1.97 Inch modular signal tower series
- Extensive range of light and tone modules
- LED/xenon/incandescent bulb technology,  
6 different lens colours
- Alternatively operated with conventional  
incandescent bulb technology
- Piezo buzzer modules
- Extensive range of mounting types
- Housing colours black or grey
- PLC-suitable
- High degree of protection IP65, UL type 4/4X/13

### TECHNICAL DATA

Housing	Ø 50 mm   1.97 Inch, Polycarbonate black (RAL 9005) or grey (RAL 7035)
Lens	Polycarbonate, ribbed inside amber, red, clear, blue, green or yellow
Type of mounting	any
Connection technology	2,5 mm², B15d socket
Leakage current	3 mA (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   -13 °F / +122 °F
Degree of protection:	IP65 & UL Type 4/4X/13
Weight (modules)	55-100 g   0.12-0.22 lbs



## MS50



# MS50 Order numbers



## VISUAL MODULES

Type	Beacon type	Lens colour	Nominal voltage	Voltage range (V)	Nominal current (mA)	Order number
VLL	Steady beacon	amber	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	amber	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	amber	110-120 V AC	+/- 10 %	33	751 001 310
			230-240 V AC	+/- 10 %	36	751 001 313
			24 V AC/DC	+/- 10 %	29	751 001 405
		red	110-120 V AC	+/- 10 %	33	751 002 310
			230-240 V AC	+/- 10 %	36	751 002 313
			24 V AC/DC	+/- 10 %	29	751 002 405
		clear	110-120 V AC	+/- 10 %	33	751 004 310
			230-240 V AC	+/- 10 %	36	751 004 313
			24 V AC/DC	+/- 10 %	29	751 004 405
		blue	110-120 V AC	+/- 10 %	33	751 005 310
			230-240 V AC	+/- 10 %	36	751 005 313
			24 V AC/DC	+/- 10 %	29	751 005 405
		green	110-120 V AC	+/- 10 %	33	751 006 310
			230-240 V AC	+/- 10 %	36	751 006 313
			24 V AC/DC	+/- 10 %	29	751 006 405
		yellow	110-120 V AC	+/- 10 %	33	751 007 310
			230-240 V AC	+/- 10 %	36	751 007 313
			24 V AC/DC	+/- 10 %	29	751 007 405

VDA	LED flashing beacon	amber	24 V AC/DC	+/- 10 %	30	761 001 405
			110-120 V AC	+/- 10 %	34	761 001 310
		blue	24 V AC/DC	+/- 10 %	30	761 005 405
			110-120 V AC	+/- 10 %	34	761 005 310
		green	24 V AC/DC	+/- 10 %	30	761 006 405
			110-120 V AC	+/- 10 %	34	761 006 310
		red	24 V AC/DC	+/- 10 %	30	761 002 405
			110-120 V AC	+/- 10 %	34	761 002 310
		yellow	24 V AC/DC	+/- 10 %	30	761 007 405
			110-120 V AC	+/- 10 %	34	761 007 310
			24 V AC/DC	+/- 10 %	29	751 006 405
VDF	LED strobe beacon	amber	110-120 V AC	+/- 10 %	24	771 001 310
			230-240 V AC	+/- 10 %	24	771 001 313
			24 V AC/DC	+/- 10 %	89	771 001 405
		red	110-120 V AC	+/- 10 %	24	771 002 310
			230-240 V AC	+/- 10 %	24	771 002 313
			24 V AC/DC	+/- 10 %	89	771 002 405

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## VISUAL MODULES

Type	Beacon type	Lens colour	Nominal voltage	Voltage range (V)	Nominal current (mA)	Order number
VLF	Xenon strobe beacon	amber	12-24 V AC/DC	+/- 10 %	70	770 001 405
			110-120 V AC	+/- 10 %	26	770 001 310
			230-240 V AC	+/- 10 %	15	770 001 313
		red	12-24 V AC/DC	+/- 10 %	70	770 002 405
			110-120 V AC	+/- 10 %	26	770 002 310
			230-240 V AC	+/- 10 %	15	770 002 313
		clear	12-24 V AC/DC	+/- 10 %	70	770 004 405
			110-120 V AC	+/- 10 %	26	770 004 310
			230-240 V AC	+/- 10 %	15	770 004 313
		blue	12-24 V AC/DC	+/- 10 %	70	770 005 405
			110-120 V AC	+/- 10 %	26	770 005 310
			230-240 V AC	+/- 10 %	15	770 005 313
		green	12-24 V AC/DC	+/- 10 %	70	770 006 405
			110-120 V AC	+/- 10 %	26	770 006 310
			230-240 V AC	+/- 10 %	15	770 006 313
		yellow	12-24 V AC/DC	+/- 10 %	70	770 007 405
			110-120 V AC	+/- 10 %	26	770 007 310
			230-240 V AC	+/- 10 %	15	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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## BASE MODULES

Items in Pink are Discontinued

Type	Designation	Tube length	Housing colour	
			grey	black
VMW	Base for horizontal mounting M20		790 120 900	790 520 900
VNW	Base for vertical mounting NPT 1/2"		790 130 900	790 530 900
VMR	Tube base mounted on aluminium tube with plastic foot	50 mm   1.97 Inch		790 541 900
		100 mm   3.94 Inch	790 142 900	790 542 900
		250 mm   9.84 Inch	790 143 900	790 543 900
		400 mm   15.75 Inch	790 144 900	790 544 900
		800 mm   31.5 Inch		790 547 900
VSR	Tube base on stainless steel tube with die-cast zinc foot, powder-coated	100 mm   3.94 Inch		790 552 900
VSW	Tube base for horizontal mounting with aluminium tube and screw	50 mm   1.97 Inch	790 171 900	790 571 900
		100 mm   3.94 Inch	790 172 900	790 572 900
		250 mm   9.84 Inch	790 173 900	790 573 900
		400 mm   15.75 Inch	790 174 900	790 574 900
		800 mm   31.5 Inch		790 577 900
VFR	Tube base on aluminium tube with foot adapter for quick mounting	100 mm   3.94 Inch	790 182 900	790 582 900
		250 mm   9.84 Inch	790 183 900	790 583 900
		400 mm   15.75 Inch		790 584 900
VMV	Base for vertical mounting		790 140 900	790 540 900



VMW



VNW



VMR



VSR



VSW



VFR