

# SIGNAL TOWERS

## BR 50



- Modular design with sturdy housing for all indoor and outdoor applications in tough conditions.
- Wherever machine status needs to be displayed and warning signals given.
- High protection system IP 54 (optionally IP 65).
- Flexible building kit system guarantees easy handling.
- Up to 5 modules with 6 lens colours can be combined as desired by simply plugging together, even retrospectively.
- Mechanical and electronic components are uncoupled, resulting in a more stable structure that is less sensitive to vibration.
- Many different variations are possible, can be fixed by means of tubular stand, tube or direct mounting.
- Made of environmentally-friendly materials as per DIN ISO 14000.
- Monitored module for greater safety; the light bulb has two separate LED strands. If one strand fails, the alarm contact is activated and the second strand continues to light.



protection system



operating temperature



connector (option)

PRODUCT		BR 50 (standard modules)					
DATA							
Module		continuous light		blinking light 1.5 Hz		fl ashing light	sounder
Segment stages (total)		max. 5 (order and colour can be selected individually)					
Dispersion		360°					
Light source <sup>1</sup>		bulb BA15d	LED	bulb BA15d	LED		
Rated power	per stage	7 W	depending on voltage	7 W	depending on voltage		
	per stage if 5 stages	5 W		5 W			
Flash energy	230 V / 115 V AC					0,6 J	
	24 V AC/DC					24 V: 1 J	
Flash frequency						approx. 1 Hz	
Sound pressure level / reducible							87 / -10 dB (A)
Sound pressure level @ DIN-tone							85 dB (A)
Alarm tones							7
Nominal current consumption (50/60 Hz)	230 V AC	35 mA	15 mA	35 mA	-	10,5 mA	15 mA
	115 V AC	64 mA	15 mA	-	-	20 mA	15 mA
	operating range	-15 % ... +10 %				-10 % ... +15 %	-15 % ... +10 %
Nominal current consumption	24 V	DC: 300 mA	DC: 30 mA	DC: 250 mA	DC: 30 mA	AC/DC: 100 mA	12 mA
	operating range	-15 % ... +20 %		10-30 V		AC: 10-27 V DC: 10-35 V	-15 % ... +20 %
Operating temperature	with bulb	-25 °C ... +50 °C		-25 °C ... +50 °C			-10 °C ... +45 °C
	with LED			-30 °C ... +60 °C			
Relative humidity		90 %					
Protection system (EN 60529)		IP 54					IP 43
Duty cycle		100 %					
Service life of light source		approx. 1,500 hrs	approx. 50,000 hrs	approx. 1,500 hrs	approx. 50,000 hrs	light emission still 70 % after 8,000,000 flashes	
Material	base	acrylonitrile butadiene styrene (ABS)					
	lens	/ ● ● ● ● ● polycarbonate (PC), UV resistant					
	tube	stainless steel					
Tube thread		30 mm, M16 x 1.5					
Mounting		vertical or horizontal					
Mounting information		the sounder module or the monitored module is always the uppermost module; a maximum of 1 monitored module may be used per signal tower					
Weight	module	80 g		90 g		90 g	230 g
	base	mounting stand: approx. 220 g / tube mounting: approx. 200 g / direct mounting: approx. 180 g					

<sup>1</sup> please order light source separately