

# "Rotating" Alarm Light PMF-LED flex



## PMF-LED flex

"rotating" alarm light with brightest LED technique

- rotating mirror effect, but extreme less current consumption and totally resistant to vibration
- maintenance free lifetime of more than 50 000 h
- extern selectable operation mode, one device for 4 different alerts:
  - continuous beam
  - blinking light
  - flashing light
  - rotating beacon effect without susceptible mechanics
- cost efficient and flexible: integrated wide range power supplies
- long-lived replacement for conventional rotating mirror beacons
- operable by 24V transistor SPS output, no additional relay control necessarily



Protective system



European standard



Operational temperature



Storage temperature



Relative humidity

## Optical data:

Light filter colours	amber, red
Fresnel lens	
Brightness (continuous light)	29 candela (red)
Vertical beam	approx. 16°
Horizontal beam	360°
LED	8 x 2 pieces (3 chip version)
Service life	min. 50.000 h
Duty cycle	100%

## Preferred applications:

- conveyor technology
- shipbuilding
- fork lift trucks
- gate operators
- machines with vibration and shock impact
- multi alarm: prealarm and basic alarm in one light

## Modes of operation:

All are external and internal selectable	Light change frequency
continuous beam	
blinking light	1,5 Hz
flashing light	1 Hz
all round "rotating beacon" effect	2,5 Hz

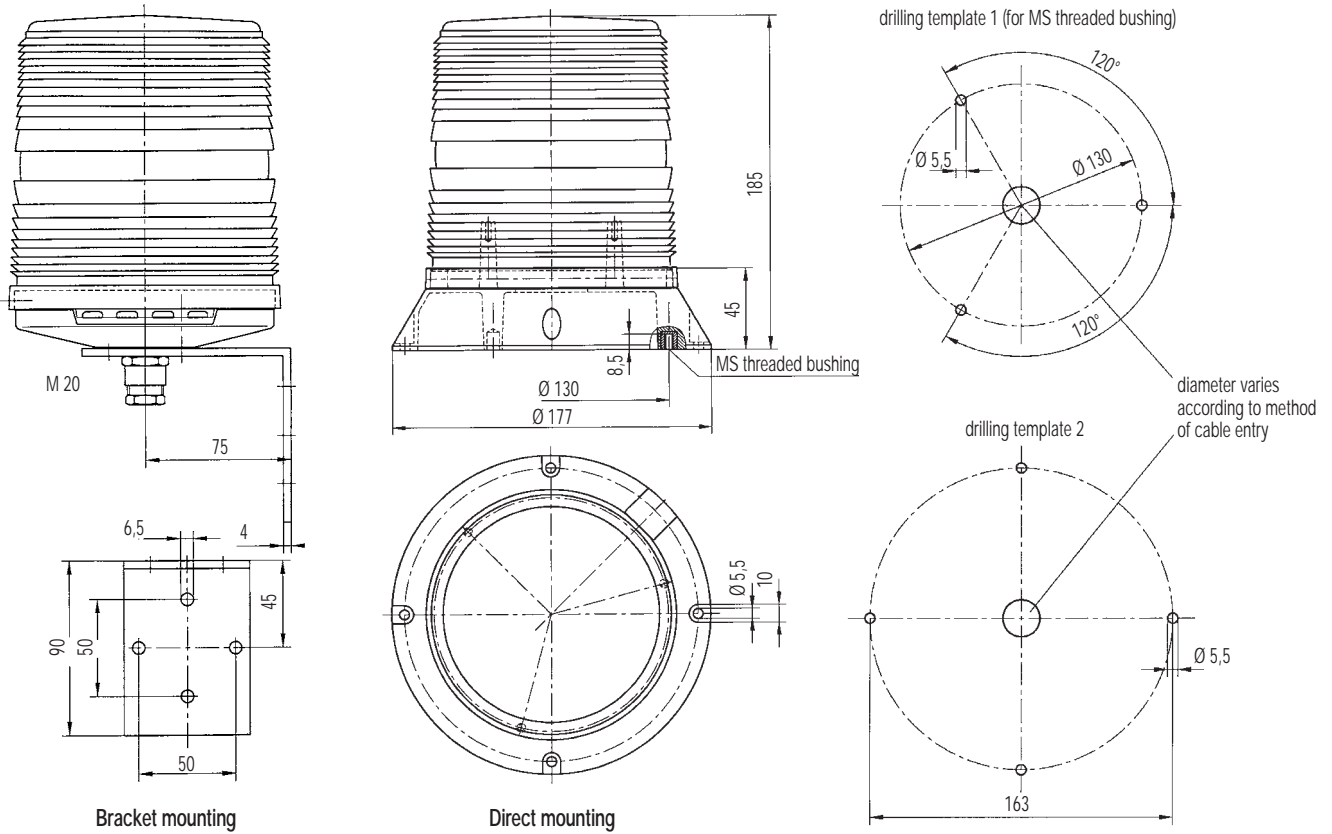
## Electrical data: 50 Hz / 60 Hz

Nennspannung	Elektrische Daten	
115 V AC / 230 V AC / 230 V DC	voltage range:	95 V ... 253 V AC
	current consumption in continuous mode	100 V ... 350 V DC < 100 mA < 60 mA
24 V AC/DC	voltage range:	DC 10 V ... 60 V
	current consumption in continuous mode	AC 15 ... 40 V DC < 250 mA

## Mechanical data:

Mounting methods:	PMF-LED flex direct mounting	PMF-LED flex bracket mounting
Cable gland	-	M 20 x 1,5
Connection	0,8 - 2,5 mm <sup>2</sup>	
Weight	approx. 1,0 kg	approx. 1,5 kg
Material globe	Polycarbonate (PC)	
Material base	Acrylnitril-Butadien-Styrol (ABS)	
<b>Standard:</b>		
Operational temperature	-30°C ... +55°C	
Storage temperature	-40°C ... +70°C	
Relative humidity	90%	
Protective system	IP 55 (EN 60529)	

Dimensions:



Conformity to standard:

The optical properties of flashing lights comply with the European standard DIN EN 842, which is published under the title: **"Machine safety - visual alarm signals"**.

Requirements of the standard DIN EN 981, published under the title:

**"Machine safety - system of acoustic/visual alarm signals and information signals"** can be met.

The colour "red" as emergency signal and "yellow" as a warning signal comply with the requirements of IEC 73/DIN EN 60073/VDE 0199, published under the title:

**"Coding for display devices and control components using colours and supplementary means"**.

References to visual alarm devices can be found in the following standards:

- EN 60825-1 Radiation safety of laser devices defined by IEC 825 and DIN-VDE 0837
- DIN EN 54 Fire alarm systems, design of
- DIN 54113-2 Regulations for radiation protection applicable to technical operation of X-ray equipment up to 500 kV