

EX FLASHING LIGHT 5 J CWB-ATEX



The flashing lights from the CWB-ATEX series are explosion-protected equipment and serve as visual alarms in potentially explosive workplaces in Zones 1, 2, 21 and 22

- housing made of aluminium, therefore usable in all chemical and petrochemical plants as well as offshore plants
- high protection system and stable mechanical construction allow use under the toughest operating conditions
- various mounting brackets and a protective cage are available as accessories

Covering distance as per EN 54

Protection system

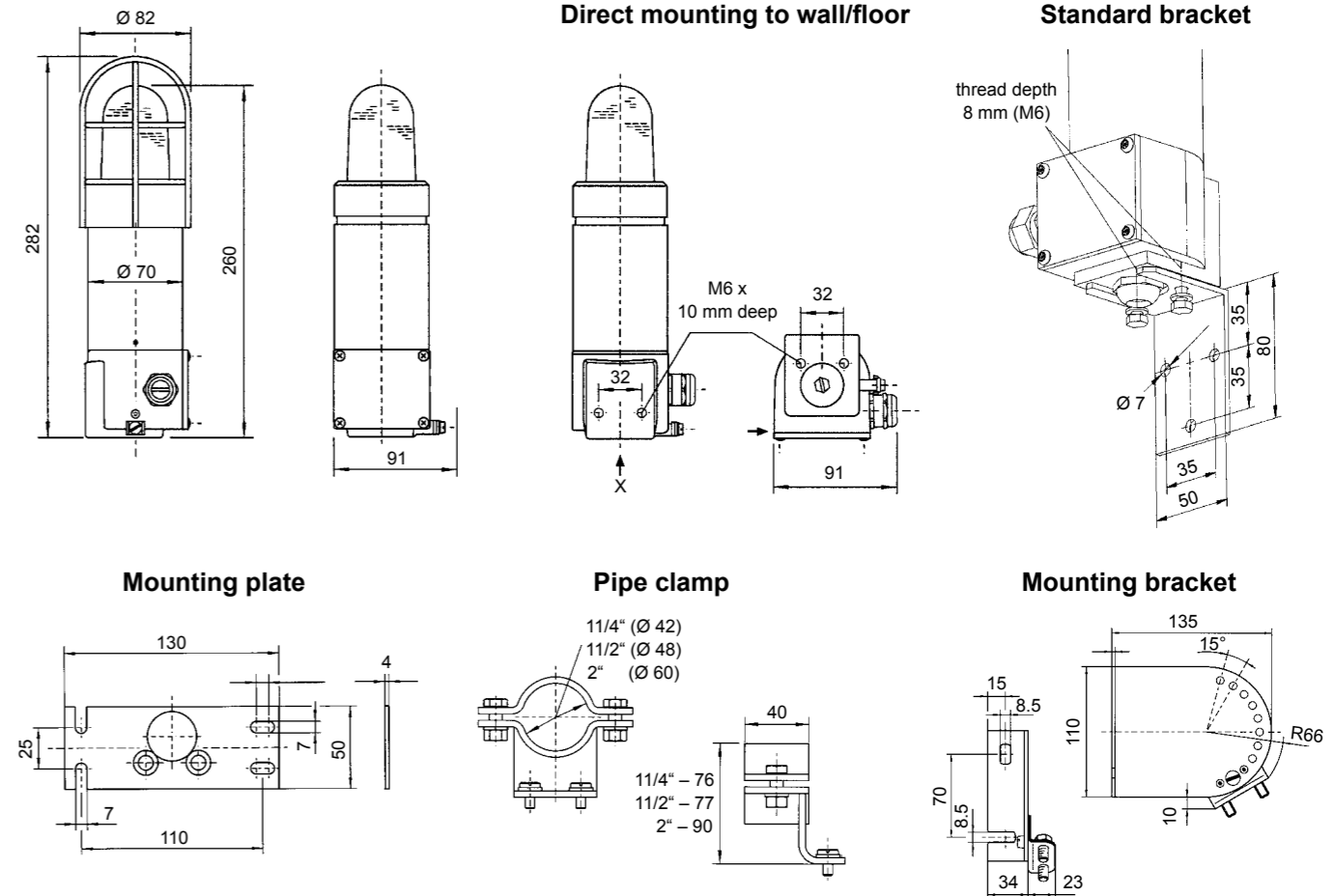
Operating temperature

GL approval

Electrical data	CWB-ATEX					
Rated voltage	230 V AC	110–127 V AC	24–42 V AC	60–80 V DC	12–48 V DC	24 V DC
Rated frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz			
Operating range	± 10%	± 10%	± 10%	± 10%	± 10%	± 10%
Nominal current consumption	0.08 A	0.11 A	0.5 – 0.3 A	0.11 – 0.13 A	0.5 – 0.3 A	0.4 A

Mechanical data	CWB-ATEX	
Type of protection	'd' flame proof enclosure for light housing 'e' enhanced safety for terminal box	
Explosion protection	II 2 G Ex d e IIC T6 Gb II 2 G Ex d e IIC T5 Gb II 2 D Ex tb IIIC T85°C Db IP66 (T6) II 2 D Ex tb IIIC T100°C Db IP66 (T5)	
Category (area of use)	2G (Zone 1) / 3G (Zone 2) 2D (Zone 21) / 3D (Zone 22)	
Certificate of conformity	LCIE 02 ATEX 6113	
Testing body	LCIE	
Flash energy	5 J	
Flash rate	approx. 1 Hz	
Lens colours	clear, yellow, amber, red, green, blue	
Temperature class	T6 T5 T _{amb} : - 40 °C ... + 40 °C T _{amb} : - 40 °C ... + 50 °C	
Storage temperature	- 20 °C ... + 80 °C	
Relative humidity	90%	
Protection system according to EN 60529	IP 66 (when used for design purpose)	
Duty cycle	100%	
Service life of the flash tube	light emission still 70% after 8,000,000 flashes	
Material	lens	polycarbonate (PC)
	protective cage	stainless steel
	housing	aluminium alloy yellow; plinth black
Type of connection	screw terminals	
Cable entry	terminal area	(max.) 2 x 4 mm ² (single wire); 2 x 2.5 mm ² (fine wire)
		1 x cable gland M20 x 1.5, chrome-plated, clamping range 6 – 13 mm 1 x blanking plug, M20 x 1.5
Weight	approx. 1.24 kg	

Dimensions



Ordering details

Article numbers		CWB-ATEX			
Lens colour	Rated voltage	230 V AC	110–127 V AC	60–80 V DC	24–42 V AC / 12–48 V DC
yellow		310 06 10 3 000	310 06 13 3 000	310 06 58 3 000	310 06 90 3 000
amber		310 06 10 4 000	310 06 13 4 000	310 06 58 4 000	310 06 90 4 000
red		310 06 10 5 000	310 06 13 5 000	310 06 58 5 000	310 06 90 5 000

Article numbers for other colours on request

Options / Accessories

Pipe clamps
Stainless steel
Article number:
R1 1/4": 38108101000
R1 1/2": 38108101200
R2": 38108102000

Mounting bracket
Stainless steel
Article number:
38108100100

Mounting plate
Stainless steel
Article number:
38108100000

Standard bracket set
Stainless steel
Article number:
38108100150

GOST
Stainless steel
Article number:
38108100200

Manufacturer's declaration

We hereby declare that the explosion-protected flashing light with the type designation **Ex-CWB-ATEX** has been developed and manufactured in accordance with EN 60079-0.

This declaration is based on compliance with the following regulations and standards:

- EN 60079-0 Electrical equipment for areas at risk of explosions – General requirements
- EN 61241-0 Electrical equipment for use in areas with combustible dust
- EN 60529 Types of protection by enclosure (IP code)
- EN 60400 / IEC 61 2004/108/EG Lamp sockets for tube-shaped fluorescent lamps and starter sockets
- 'Electromagnetic compatibility'

- 94/9/EG CE conformity
- EN 60079-1 Pressure-resistant encapsulation "d"
- EN 60079-7 Enhanced safety "e"
- EN 60598 Lights

The flashing light is approved for use in potentially explosive areas in Zones 1, 2, 21 and 22 as per 94/9/EU.