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.

IP 66 — protection system

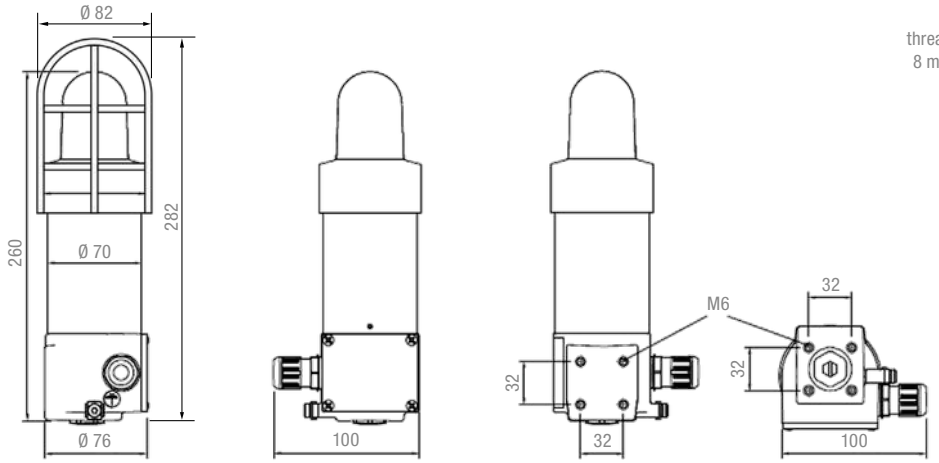
+55 °C / –40 °C — operating temperature

DNV

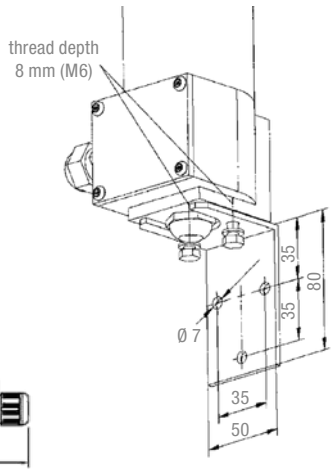
PRODUCT		CWB-ATEX					
DATA							
Rated voltage		230 V	110–127 V	42–48 V	24–42 V	60–80 V	12–48 V
		AC 50 I 60 Hz				DC	
Operating range		±10 %					
Nominal current consumption		0.08 A	0.11 A	0.3 A	0.5–0.3 A	0.11–0.13 A	0.5–0.3 A
Type of protection		“d” flame proof enclosure for light housing “e” enhanced safety for terminal box					
Explosion protection		II 2G Ex db eb IIC T6 Gb (Ta ≤ 40°C) II 2G Ex db eb IIC T5 Gb (Ta ≤ 50°C) II 2D Ex db IIIC T85°C Db (Ta ≤ 40°C) II 2D Ex db IIIC T100°C Db (Ta ≤ 50°C)					
Category (area of use)		2G (Zone 1) / 3G (Zone 2) 2D (Zone 21) / 3D (Zone 22)					
Operating position		Only mount the device in an upright (max. 45° inclined) position (Do not mount upside down or on the ceiling)					
Certificate of conformity		EPS 20 ATEX 1 222 X					
Testing body		Bureau Veritas					
Flash energy		5 J					
Flash rate		approx. 1 Hz					
Temperature class	T6	T_{amb}: –40 °C ... +40 °C					
	T5	T_{amb}: –40 °C ... +50 °C					
Storage temperature		–40 °C ... +80 °C					
Protection system (EN 60529)		IP 66 (when used for design purpose)					
Duty cycle		100 %					
Service life of the light source		light emission still 70 % after 8,000,000 flashes					
Material	lens	⁄ ○ ● ● ● ● ● polycarbonate (PC)					
	housing	stainless steel					
	base	aluminium alloy yellow; plinth black					
Type of connection		screw terminals					
	terminal area	(max.) 2x 4 mm² (single wire), 2x 2.5 mm² (fine wire)					
Cable entry		1x cable gland M20 x 1.5, chrome-plated, clamping range 6–13 mm 1x blanking plug, M20 x 1.5					
Weight		approx. 1.24 kg					

DIMENSIONS

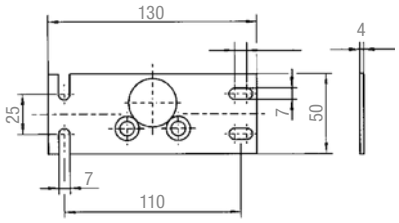
Direct mounting to wall/floor



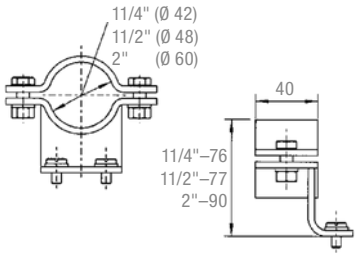
Standard bracket



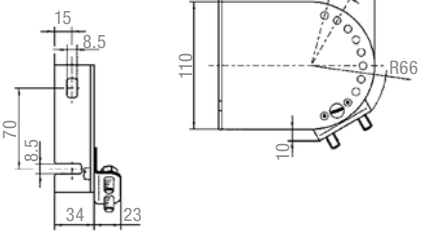
Mounting plate



Pipe clamp



Mounting bracket



ARTICLE NO.	CWB-ATEX			
LENS COLOUR	230 V AC	110–127 V AC	42-48 V AC / 60-80 V DC	24–42 V AC / 12–48 V DC
	31006103000	31006133000	31006583000	31006903000
	31006104000	31006134000	31006584000	31006904000
	31006105000	31006135000	31006585000	31006905000

Article numbers for other colours and voltages on request.

OPTIONS/ACCESSORIES

Pipe clamps
Stainless steel
Article no.:
R1 1/4“: 38108101000
R1 1/2“: 38108101200
R2“: 38108102000

Mounting bracket
Stainless steel
Article no.:
38108100100

Mounting plate
Stainless steel
Article no.:
38108100000

Standard bracket set
Stainless steel
Article no.:
38108100150

Stainless steel
Article no.:
38108100201

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 the requirements as per 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
2014/34/EU	ATEX directive
EN 60079-1	Pressure-resistant encapsulation “d”
EN 60079-7	Enhanced safety “e”
EN 60598	Lights
EN 60529	Types of protection by enclosure (IP code)
2014/30/EU	EMC directive

The flashing light is approved for use in potentially explosive areas in Zones 1, 2, 21 and 22 as per 2014/34/EU.