



Flashing Light CWB-ATEX

Gas and dust protection



CWB-ATEX with protective cage

CWB-ATEX without protective cage

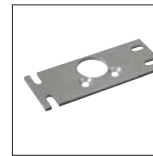
- the flashing lights of the CWB-ATEX series provide optical signals in explosive gas atmospheres and areas with combustible dust. Zones 1, 2, 21 and 22
- saltwater-proof aluminium enclosure with polycarbonate hood for use in any chemical or petrochemical plant and on offshore facilities
- the protection rating IP 66 and rugged design combine into an extremely reliable product for roughest working conditions



Pipe clamp



Mounting bracket



Mounting plate



Standard bracket*



Protective system



Operating temperature



Storage temperature



Relative humidity



Protective cage

* To facilitate replacement of old CWB with new CWB-ATEX (same drilling template)

Explosion protection:

Type of protection	EN 50018 "d" flameproof enclosure for light housing EN 50019 "e" with enhanced safety for terminal chamber
Explosion protection	II 2G EEx de IIC T6 II 2G EEx de IIC T5 II 2D T 85°C IP 66 II 2D T 100°C IP 66
Test authorities	LCIE
Certificate of conformity	02 ATEX 6113
Category (areas of application)	2G (zone 1) / 3G (zone 2) 2D (zone 21) / 3D (zone 22)
Temperature class T	T6, II 2D T 85°C; -20 to +40°C T5, II 2D T 100°C; -20 to +50°C

Optical data:

	CWB-ATEX
Alarm range	Ø 2.5 m
Warning range	Ø 10 m
Lens colours	red, yellow, amber, blue, green, transparent
Flashing frequency	approx. 1 Hz
Flashing power	5 joules
Service life of flash tube	light emission reduced to 70% after approx. 8 000 000 flashes
Duty cycle	100%

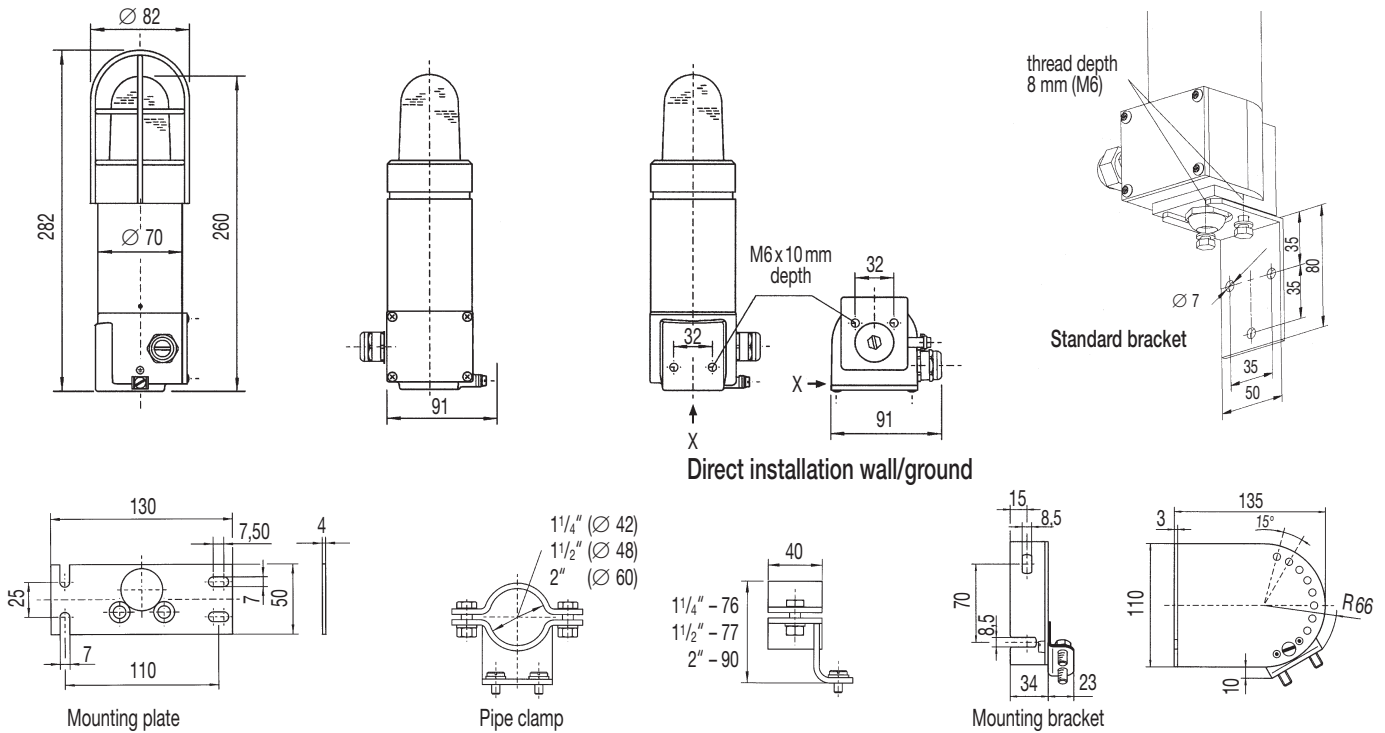
Electrical data: AC 50 Hz/60 Hz

Rated voltage	Electrical data	Ex CWB-ATEX
230 V	Voltage range Mains frequency Rated current	± 10% 50/60 Hz 0.08 A
110-127 V	Voltage range Mains frequency Rated current	± 10% 50/60 Hz 0.11 A
24-42 V	Voltage range Mains frequency Rated current	± 10% 50/60 Hz 0.5...0.3 A

DC

Rated voltage	Electrical data	Ex CWB-ATEX
60-80 V	Voltage range Rated current	± 10% 0.11 A...0.13 A
12-48 V	Voltage range Rated current	± 10% 0.5 A...0.3 A

Mechanical data:



Mechanical data	CWB ATEX
Housing material	aluminium alloy
Lens material	polycarbonate
Colour	plinth black / housing yellow
Power supply cord	clamps clamp-zone (max.) 2 x 4 mm ² (unifilar) 2 x 2.5 mm ² (unifilar)
Cable gland	1 x cable gland M20x1.5, chromated clamp-zone 6 ... 13 mm 1 x inspection plug, chromated, M20x1.5
Weight	approx. 1.24 kg

Additional data:

Climatic data	
Operating temperature	T6, II 2D T 85 °C; - 20 to + 40 °C T5, II 2D T 100 °C; - 20 to + 50 °C
Storage temperature	- 20 °C (- 4 °F) ... + 80 °C (+ 176 °F)
Relative humidity	90%
Protective system	IP 66 (EN 60 529) when used for design purpose
Accessorie	mounting plate, stainless steel; pipe clamp R 1 1/4", 1 1/2", 2", stainless steel; mounting bracket, stainless steel; protective cage, stainless steel
Approvals (on request)	Germanischer Lloyd, GOST, CCC

Declaration of manufacturer

We herewith declare that the explosion-proof flashing light with model designation

CWB-ATEX

was developed and manufactured to comply with the section 5.1.2 of EN 50014.

This declaration is issued in accordance with the following European Standards:

- 94/9EC CE-Conformity
- EN 50014 Electrical devices for hazardous environments – General regulations
- EN 50018 Flameproof enclosure “d”
- EN 50019 Enhanced safety “e”
- EN 50281-1-1 Electrical apparatus for use in the presence of combustible dust
- EN 60598 Flashing lights
- EN 60529 Degrees of protection provided by enclosures (IP-code)
- En 60400 / IEC 61 Lampholder for tubular switch-start fluorescent lamps
- 89/336/EEC “Electromagnetic compatibility”

The flashing light CWB-ATEX is approved for use in hazardous environments, zones 1, 2, 21 and 22 in compliance with 94/9/EC.