LED LIGHTS
BEXBGL ATEX



The LED light is ideal for almost all mounting requirements: side, ceiling and floor mounting.

- Categories 2G (Zones 1 and 2), 2D (Zones 21 and 22).
- Large connection box for simple mounting.
- Very sturdy, manufactured from seawater-resistant aluminium and stainless steel protection cage.
- BExBG can be mounted in all operating positions.
- 2 additional operating modes can be controlled externally (DC version only)

IP 67
protection system

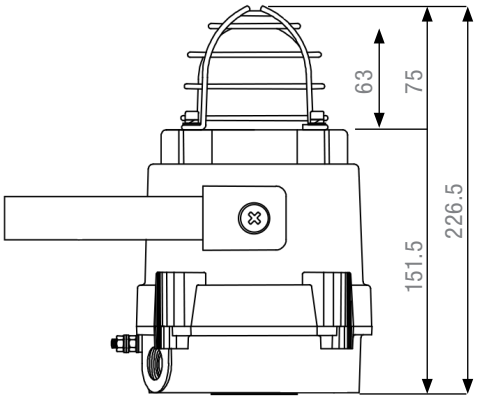
+70 °C
–50 °C
operating temperature

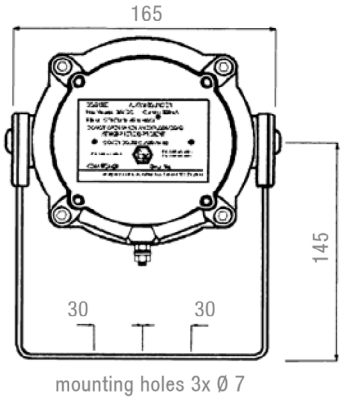
PRODUCT		BExBGL	
DATA			
Rated voltage		230 V AC 50 I 60 Hz	24 V DC
Operating range		±10 %	18 - 54 V
Nominal current consumption		48 mA	240 mA
Type of protection		Ex d	
Coding /Temperature class T		II 2G Ex db IIC T6 Gb Ta. -50°C...+60°C II 2G Ex db IIC T5 Gb Ta. -50°C...+70°C II 2D Ex tb IIIC T60°C Db Ta. -50°C...+40°C II 2D Ex tb IIIC T75°C Db Ta. -50°C...+55°C II 2D Ex tb IIIC T90°C Db Ta. -50°C...+70°C	
Category (area of use)		2G (Zone 1) / 2D (Zone 21) 3G (Zone 2) / 3D (Zone 22)	
Certificate of conformity		KEMA 00 ATEX 2006 X	
Light source		LED	
Operating temperature		up to –50 °C … +70 °C	
Ex-certified ambient temperature		max. -50°C...+70°C (see also temperature classes)	
Relative humidity		95 %	
Duty cycle		100 %	
Service life of the light source		>50.000 h	
Material	lens	glass with plastic colour cap	
	housing	die-cast aluminium, resistant to salt water, marine grade LM6, red (RAL 3000)	
	protective cage and bracket	stainless steel	
Type of connection		1 x 4 mm² or 2 x 2.5 mm²	
Cable entry[1]		2 x M20, of which one open, optionally PG13.5 or 1/2“ NPT	
Weight	BExBGL	2.75 kg	2.45 kg

[1] Ex cable gland not included

DIMENSIONS

BExBGL





ARTICLE NO.	BExBGL	
Lens colour	230 V AC	24 V DC
	31151103000	31151903000
	31151104000	31151904000
	31151105000	31151905000
	31151106000	31151906000

Article numbers for other colours and voltages on request.

CONFORMITY TO STANDARDS

We hereby declare that the explosion-protected means of alarm with the type designation BExBGL ATEX has been developed and manufactured in accordance with section 5.1.2 of EN 50014.
This declaration is based on compliance with the following regulations and standards:

94/9/EG	CE conformity
EN 50014	Electrical equipment for areas at risk of explosions – General requirements Pressure-
EN 50018	Resistant encapsulation “d”
EN 50281-1-1	Electrical equipment for use in areas with combustible dust
EN 60529	Types of protection by enclosure (IP code)
89/336/EWG	“Electromagnetic compatibility”

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