

# ZFL23X

## HAZARDOUS AREA FLASHING BEACON



DS-345 Issue 09

Thank you for your interest in Ziztel - we are a UK based manufacturer of CCTV, PAGA and Intercom products. Our systems are mainly designed for use in the Military, Marine, Hazardous Oil, Gas and Petrochemical industries.

ZFL23X is a rugged, explosion proof, high intensity visual alarm unit designed for reliable effective signaling in noisy areas.

The unit features DUAL flash tubes for ultimate security and is suitable for service in mission critical applications including Fire and Gas detection systems, Public Address and General Alarm systems.

### ZIZTEL ZFL23X XENON DISCHARGE TUBE EXPLOSION PROOF BEACON

Duplicated Xenon Discharge Tubes – *Suitable for Critical  
Life Safety Applications*

Fresnel optical lens – *excellent light dispersion*

Very heavy duty corrosion / ultra violet light proof  
construction – *suitable for operation in aggressive  
environments*

The Ziztel ZFL23X industrial flashing beacon is designed to provide safe visual warnings in a hostile climatic environment and potentially explosive atmosphere with optional enclosure type A light weight Alloy or type S Stainless Steel 316L. The unit comprises of a rugged IP66 rot proof, corrosion resistant enclosure which is fitted with a robust toughened well glass, Fresnel optic lens dome and control electronics module. ZFL23X can be located in a Zone 1 or Zone 2 IIA, B, C T4 hazardous area and is ATEX / IECEx certified accordingly.

The light source is based on dual xenon discharge tubes which produce a brilliant pulse of light at regular intervals. Cable entry is via a 20 mm isometric gland penetration and the integral termination compartment accepts ferruled cable conductors up to 2.5 mm.

Colour is given by selection of Fresnel lens caps which provide controlled light output to ensure maximum efficiency and visibility in external areas. This arrangement enables the possibility to field exchange colour filters without complete unit replacement and eliminates painted well glass colour assignment.



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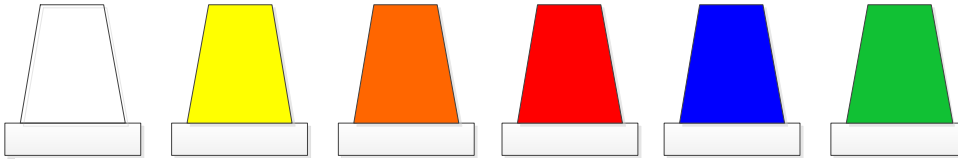
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The unit is certified for use without a lens guard however where there is known risk of damage to the lens dome an optional well glass wire cage can be fitted to provide additional protection.

Lens options:

Clear C, Yellow Y, Amber A, Red R, Blue B, Violet V, Green G

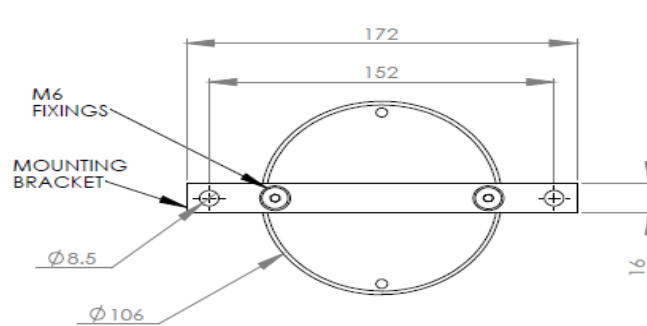
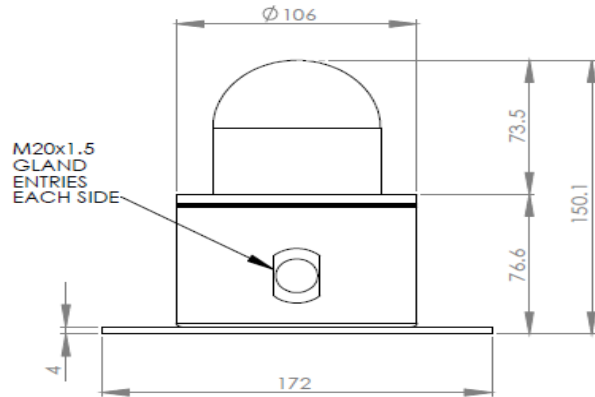
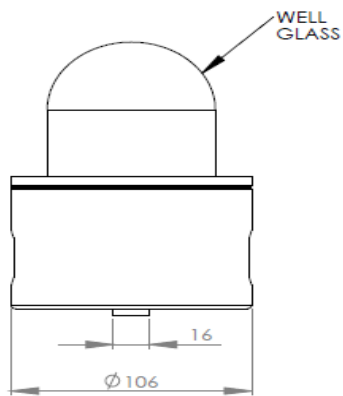
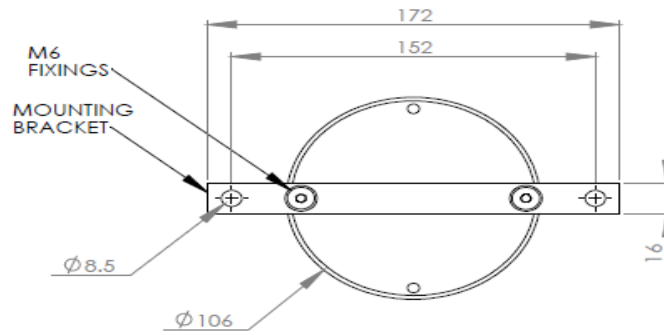
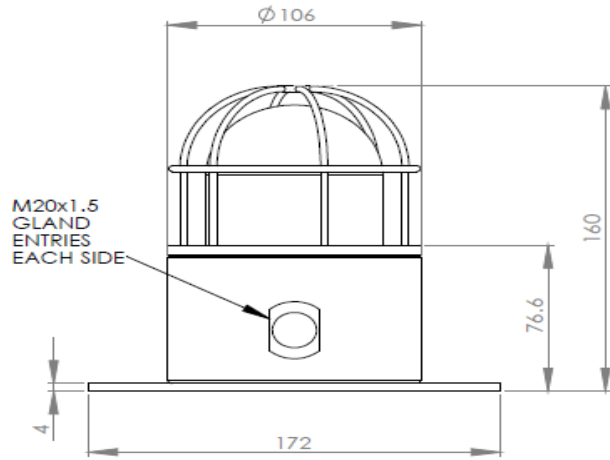
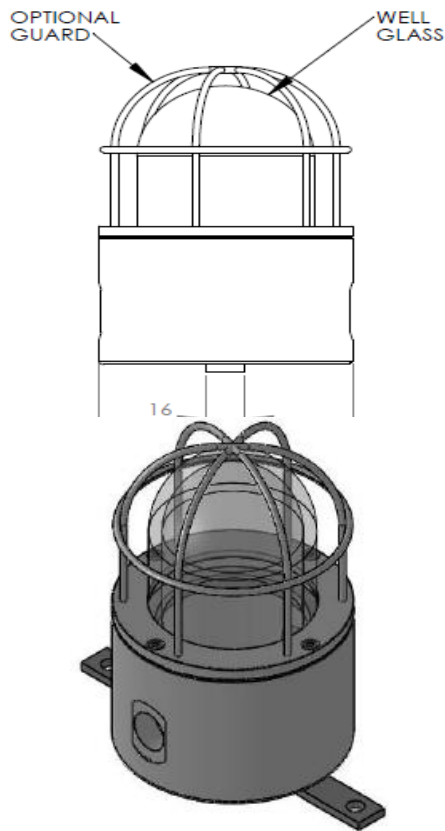


Technical Specification	
Power Supply Voltage	AC 110/120V; AC 220/240V 50/60Hz
Options – must be specified	DC 24 V; DC48 V
Consumption	15 Joule 20 Watts (standard)
	5 Joule 7 Watts (to order)
Light source	Dual xenon gas discharge tube
Duty Cycle	Continuous
Flash Rate	1 flash per second
Voltage input tolerance	+10% / -20%
Power	15 Joule - standard
	5 Joule option - suffix '5'
Enclosure – A	High grade aluminium
Enclosure – S	316 L Stainless steel
Enclosure – A colour	Signal red finish
Enclosure – S colour	Natural finish
Fresnel optic lens Colours	Amber – A Yellow – Y Blue – B Green – G Red – R Clear – C Violet - V
Temperature Range	-40C to +60C ambient
Environmental Rating	IP66
Cable Entry	15 Joule 1 x 20 mm entry
	5 Joule 2 x 20 mm entries with loop through terminations
Cable Conductor size	15 Joule up to 2.5 mm ferruled
	5 Joule up to 1.5 mm ferruled
Weight A type enclosure	3Kg
Weight S type enclosure	4.2 Kg
Dimensions no well glass guard	150 high x 106 wide mm
Dimensions with well glass guard	160 high x 106 wide mm
Mounting attitude	Vertical or horizontal
Certification	Zone 1 / 2 IIC T4

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