

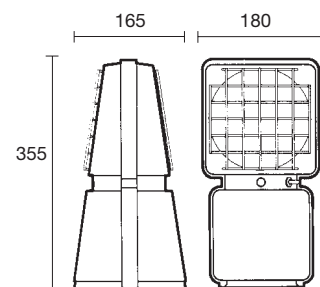


# WOLF HAZARD LAMP HL-95

ATEX Directive  
94/9/EC  
Compliant



- ATEX Certified intrinsically safe “ia” for safe use in Zones 0, 1 or 2
- Flashing or static output selectable from exterior mounted operation switch
- Continuous operation in flashing mode of up to two months, flash rate 60/min
- Daylight cut-out mode selectable from internally mounted switch
- Ultra-bright L.E.D. light source
- 180° bi-directional lens arrangement
- Highlighting obstacles and dangers in the hazardous area
- Effective demarcation of hazardous area zones
- Short term hazardous area warning, ie Road traffic accidents, Petroleum tanker discharge



The HL-95 Wolf Hazard Lamp is a semi-portable, free standing illuminated warning device for use in zone 0, 1 or 2 hazardous areas. Approved to the European EN50 range of standards called up in the ATEX Directive for "Electrical Apparatus for Potentially Explosive Atmospheres" and carrying the CE mark with Baseefa (2001) Notified Body number. The Wolf Hazard Lamp is a unique product amongst portable "Ex" lighting equipment.

The HL-95 is powered by an air-depolarised primary cell battery. The use of this battery technology is ideal in such an application due to the exceptionally high capacity available from the relatively small, light weight package size. A single battery, used in the flashing light output mode, provides continuous duration for up to 1500 hours, or two months. In static mode where the lamp is continuously lit, the duration will be up to 500 hours. Operation of the lamp and selection of flashing or static mode is made from a single three position toggle switch mounted on the outside of the lamp. A further extension to the duration of the battery output can be achieved by selecting "daylight cut-out mode" via the internally mounted selection switch. If the lamp is being used out of doors a light dependant resistor will detect when darkness falls and accordingly activate the lamp. Equally, when light levels increase, the lamp will automatically switch off, conserving battery energy. It is estimated that a lamp set to flashing and in daylight cut-out mode could operate for up to six months from a single battery.

The HL-95 has two lenses positioned "back to back". Light is provided by a pair of "everlasting" light emitting diodes. The use of such solid state devices allows the lamp to be sited in zone 0, 1 or 2 hazardous areas. The light emitting diodes are coloured amber as standard or red to special order and are positioned behind a transparent plastic lens, coloured to correspond with the light emitted.

The lens is protected from damage by a stainless steel guard fitted directly to the impact resistant polypropylene lamp body.

Maintenance and user instructions and a lock key are supplied with each lamp.

<b>Wolf HL-95 Safety Hazard Lamp</b> <i>Technical Specification</i>		
<b>Product reference</b>	<b>HL-95</b>	
<b>Product description</b>	Primary battery operated safety hazard lamp	
<b>Code</b>	⊕ II 1 G EEx ia IIC T4	
<b>Equipment category</b>	1G	
<b>Apparatus standard</b>	EN50 014, EN50 020	
<b>Type of protection</b>	"ia" intrinsic safety	
<b>Area of classification</b>	Zones 0, 1 and 2, gas groups IIA, IIB and IIC	
<b>Temp. classification</b>	T4	
<b>Ambient temperature</b>	-20°C to +40°C	
<b>Certification</b>	BAS99ATEX1044	
<b>Enclosure</b>	Polypropylene with stainless steel lens guard	
<b>Lens</b>	Transparent plastic, colour as light source	
<b>Light output</b>	≈ 2 cd, comparable to requirements for BS 3143:pt2, Road danger lamps	
<b>Light source:</b>	Type	Solid state L.E.D.
	Colour	Amber as standard, red to order
<b>Power source:</b>	Pt. no.	<b>HL-3155X</b>
	Type	Air-depolarised primary cell battery
	Volts	5.6v
	Capacity	50Ah
	Weight	1.7kg
	Dimensions	L 110 x W 110 x H 140mm
<b>Light duration</b>	1500hrs flashing mode, 500hrs static mode	
<b>Ingress protection</b>	IP 21	
<b>Weight (incl. battery)</b>	2.9kg	

Note: All information has been gathered under laboratory conditions, the user must regard the values given as approximate. The Company reserves the right to alter product specifications without prior notice.

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**Wolf Safety Lamp Company**