



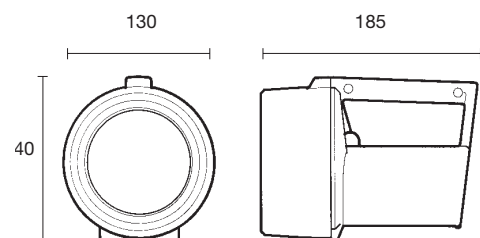
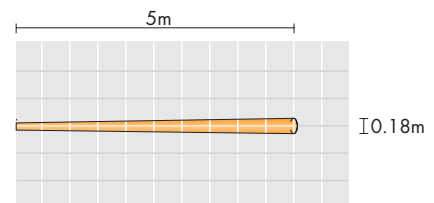
# WOLFLITE HANDLAMP H-4DCA

ATEX Directive  
94/9/EC  
Compliant



- CE marked to ATEX Directive
- Explosive gas, vapour and mist certified for zones 1 & 2, up to T4 temperature class
- Dust ignition protected for zones 21 and 22, for dusts with ignition temperatures over 135°C
- Increased light output from halogen bulb
- Alkaline cell approval giving 20 hour duration
- Robust anti-static thermoplastic lamp enclosure
- Ingress protection to IP66
- Lloyd's Register Type Approved
- Supplied with detachable shoulder strap

**Wolfite H-4DCA**  
2.4w spot beam (approx 3.5°)  
Peak luminous intensity at 5m **960lux**



The Wolfite H-4DCA primary cell powered safety handlamp is one of the latest versions of the highly successful, industry standard range of Wolfite Ex handlamps, from The Wolf Safety Lamp Company.

Approved by BASEEFA, the Wolfite H-4DCA has been 'CE' marked in compliance with the 94/9/EC 'Explosive Atmospheres' (ATEX) Directive, for use in a wide range of potentially explosive gases, vapours, mists and dusts.

Conformance to the ATEX directive will reassure the user that the H-4DCA handlamp has been designed and approved to the very latest editions and interpretations of the relevant European standards, that it complies with all 'essential safety requirements', and has been designed with due regard to state-of-the-art technology. ATEX Directive Approval also ensures continuity of supply beyond the year 2003.

Additionally the H-4DCA handlamp has both a Lloyd's and an MCA type approval for use in explosive atmospheres in marine applications.

The lamp is constructed from a new, exceptionally robust and highly durable thermoplastic material, well able to withstand the effects of heavy industrial use. In addition to this, the material is anti-static, preventing the build up of potentially dangerous electrostatic charges. A 6mm thick, toughened, scratch resistant glass lens with rubber seal, together with a second seal fitted at the lens ring and lamp body joint, ensure that

the lamp is protected from ingress of dusts and liquids and can therefore be used in the dustiest and wettest conditions possible.

The outstanding light output from this relatively small and compact handlamp is achieved with the use of a high output, high efficiency halogen bulb, rated at 4.8V 0.5A, focused within a 100mm diameter parabolic reflector. This provides the user with an extremely well defined beam of intense white colour.

The H-4DCA handlamp has been approved for use with alkaline manganese, zinc chloride or zinc carbon primary cells. The use of alkaline manganese cells is recommended because of their significantly greater capacity, delivering a brighter white light for up to 20 hours duration from one set of cells; by comparison, nearly four times the duration of zinc D cells. The H-4DCA is supplied complete with a convenient removable shoulder strap.

<b>Wolf Safety Handlamp</b> <i>Technical Specification</i>	
<b>Product reference</b>	<b>H-4DCA</b>
<b>Product description</b>	Safety handlamp, primary cell powered
<b>Code</b>	Ⓔ II 2 GD EEx e ib IIC T4 IP66 T135°C
<b>Equipment category</b>	2 GD
<b>Apparatus standards</b>	EN50014, EN50019, EN50020, EN50281-1-1
<b>Type of protection</b>	"e" increased safety, "ib" intrinsic safety
<b>Area of classification (gases)</b>	Zones 1 and 2, Gas Groups IIA, IIB and IIC
<b>Temp. classification (gases)</b>	T4
<b>Area of classification (dusts)</b>	Zones 21 and 22
<b>Max. surface temp. (dusts)</b>	135°C
<b>Ambient temperature</b>	-20°C to +40°C
<b>Certificate</b>	BAS00ATEX2203
<b>Enclosure</b>	Impact resistant thermoplastic, electrostatic non-hazardous
<b>Lens</b>	Toughened glass (6mm)
<b>Beam type</b>	Spot
<b>Light source:</b>	<b>H-141 only</b>
Pt. no.	
Type	Halogen filled filament bulb
Volts	4.8V
Watts (Amps)	2.4W (0.5A)
Output	37 lm (at nominal voltage)
Life	20 hrs (at nominal voltage)
<b>Power source:</b>	<b>4 x H-20 (LR20)</b>
Pt. no.	
Type	LR20/R20 primary cells, to IEC 60086
Volts	4 x 1.5V
<b>Light duration</b>	Up to 20 hours
<b>Ingress protection</b>	IP66 to EN60529 : 1992
<b>Weight (incl. cells)</b>	1.45kg

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.

## **WOLF SAFETY LAMP COMPANY**

**Saxon Road Works, Sheffield S8 0YA, England**

**Tel: +44 114 255 1051 Fax: +44 114 255 7988**

**E-mail: [info@wolf-safety.co.uk](mailto:info@wolf-safety.co.uk) Website: [www.wolf-safety.co.uk](http://www.wolf-safety.co.uk)**

MMD/N/4.03/4.5K



Wolf Safety Lamp Company