

1 **UK-TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

3 UK-Type Examination Certificate Number: **BAS21UKEX0359**
4 Product: **Wolflite Handlamps H-******
5 Manufacturer: **Wolf Safety Lamp Co Ltd**
6 Address: **Sheffield, S8 0YA**

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 SGS Baseefa, Approved Body number 1180, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

The examination and test results are recorded in confidential Report No. **GB/BAS/ExTR21.0070/00**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:


EN IEC 60079-0:2018 EN 60079-7:2015+A1:2018 EN 60079-11:2012 EN60079-31:2014

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11 This UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following:

 (see schedule)

SGS Baseefa Customer Reference No. **1112**

Project File No. **19/0536**


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R S SINCLAIR
TECHNICAL MANAGER
On behalf of SGS Baseefa Limited

13

Schedule

14

Certificate Number BAS21UKEX0359

15 Description of Product

The Wolfrite Handlamp H-**** models H-4DCA, H-4DCALED & H-251ALED are portable handlamps with a moulded anti-static plastic case and lens ring, and a toughened glass lens. The lens is sealed to the lens ring and the lens ring is sealed to the case by O-rings/seals. The lens ring screws on to the body and as an option may be locked in place by a socket head lock screw.

The switch slider mechanism contains a magnet which operates an internally hermetically sealed reed switch.

The handlamps are considered outside the scope of EN 60079-28:2015 as, according to the IEC published interpretation sheet for the standard, they are excluded from the scope by virtue of not having a focal point in the hazardous area.

H-4DCA

The H-4DCA is marked: $\text{Ex II 2GD Ex eb ib IIC T4 Gb } (-10^{\circ}\text{C} \leq \text{Ta} \leq +40^{\circ}\text{C}) \text{ Ex tb IIIC T135}^{\circ}\text{C Db}$

The light source is a 4.8V 0.5A type H-141 bulb.

The H-4DCA is powered by four R20 or LR20 cells held in a removable cassette.

The permitted cell types are any R20 cell, or LR20 cells of the following types:- Varta Universal Alkaline, Varta Alkaline Value Pack, Varta Electric Power, Kodak Alkaline, Exide Alkaline, Cegassa Alkaline, Duracell Alkaline, Duracell Plus, Duracell Procell, Duracell Industrial, HiTech Alkaline Professional, RS Alkaline, Sanyo Alkaline, Duracell Ultra, Energizer Alkaline, Energizer Industrial, Eveready Gold, Rayovac Maximum, Pifco Optimax Procell (grey).

H-4DCALED

The H-4DCALED is marked: $\text{Ex II 2GD Ex ib IIC T4 Gb } (-10^{\circ}\text{C} \leq \text{Ta} \leq +40^{\circ}\text{C}) \text{ Ex ib IIIB T135}^{\circ}\text{C Db}$

The light source is a Wolf LED H-84 module coloured green.

The H-4DCALED is powered by four R20 or LR20 cells held in a removable cassette.

The permitted cell types are any R20 cell, or LR20 cells of the following types:- Varta Universal Alkaline, Varta Alkaline Value Pack, Varta Electric Power, Kodak Alkaline, Exide Alkaline, Cegassa Alkaline, Duracell Alkaline, Duracell Plus, Duracell Procell, Duracell Industrial, HiTech Alkaline Professional, RS Alkaline, Sanyo Alkaline, Duracell Ultra, Energizer Alkaline, Energizer Industrial, Eveready Gold, Rayovac Maximum, Pifco Optimax, Procell (grey).

H-251ALED

The H-251ALED is marked: $\text{Ex II 2GD Ex ib IIC T4 Gb } (-10^{\circ}\text{C}/-20^{\circ}\text{C} \leq \text{Ta} \leq +40^{\circ}\text{C}) \text{ Ex ib IIIB T170}^{\circ}\text{C Db}$

A lower ambient temperature of either -10°C or of -20°C will be marked on the label depending on build options.

The light source is a Wolf LED H-88 module coloured yellow.

Power is provided by means of a rechargeable battery pack containing two sealed lead acid cells and an active current limiting device. Two metal studs passing through the wall of the enclosure allow the torch to be placed on the charging apparatus with the connections aligning with the two studs.

The charging contacts are rated $U_m = 10\text{V d.c.}$

The H-251ALED is designed to be charged from a Wolf C-251 charger while in safe areas.

16 Report Number

GB/BAS/ExTR21.0070/00

17 Specific Conditions of Use

None.

18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
1.4.1	External effects
1.4.2	Aggressive substances, etc.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
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See BAS01ATEX2176 Issue 10 for the full list of drawings.