

EU-TYPE EXAMINATION CERTIFICATE



Equipment or Protective System intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

[3] EU-Type Examination Certificate Number: **DEMKO 19 ATEX 2307X Rev. 2**

[4] Product: **Flashlight, Vulcan 180 Haz-Lo**

[5] Manufacturer: **Streamlight Inc.**

[6] Address: **30 Eagleville Rd., Eagleville, PA 19403 USA**

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

[8] UL International Demko A/S, notified body number 0539 in accordance with Article 17 of the Council Directive 2014/34/EU of 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The examination and test results are recorded in confidential report no. **4789480693.4.1**

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

EN 60079-0:2012 + A11:2013

EN 60079-11:2012

[10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to special conditions for safe use specified in the schedule to this certificate.

[11] This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by the certificate.

[12] The marking of the product shall include the following:

II 1 G Ex ia IIC T4 Ga

Certification Manager

Jan-Erik Storgaard

This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2019-12-30

Re-issued: 2020-07-23

Notified Body

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
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[13]

Schedule

[14]

EU-TYPE EXAMINATION CERTIFICATE No. DEMKO 19 ATEX 2307X Rev. 2

[15]

Description of Product

The Vulcan 180 Haz-Lo is an LED flashlight that is intrinsically safe when used with Streamlight's lithium-ion rechargeable battery part no. 44352 that is factory installed in the battery compartment of the device. The battery pack consists of three lithium-ion cells that are individually fused and connected in parallel to the Haz-Lo Battery PCB.

Temperature range

The ambient temperature range is -20 °C to +40 °C.

Electrical data

Intrinsically safe specifications:

U_m : 15 VDC

Routine tests

No routine testing is required.

[16]

Descriptive Documents

The scheduled drawings are listed in the report no. provided under item no. [8] on page 1 of this EU-Type Examination Certificate.

[17]

Specific conditions of use:

The device can only be charged in a non-hazardous environment and the ambient temperature during charging must not exceed 0°C to +35°C.

[18]

Essential Health and Safety Requirements

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

The trademarks shown below will be used as the company identifier on the marking label:

STREAMLIGHT®
Streamlight, Inc., Eagleville PA 19403 U.S.A.

Or

 **STREAMLIGHT.**
Heroes Trust Streamlight®

Or

Streamlight Inc. Eagleville, Pa. 19403

Or

Streamlight Inc.

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in Annex III to Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014.