



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX UL 19.0093** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-02-28

Applicant: **Eveready Battery Co. Inc.**  
533 Maryville University Drive  
PO Box 411460  
St. Louis, MO 63141  
**United States of America**

Equipment: **4789164095.2.1**

Optional accessory:

Type of Protection: **Intrinsic Safety "ia", Optical Radiation "op is"**

Marking: Ex ia op is I/IIC T4 Ma/Ga  
-20°C through +40°C

Approved for issue on behalf of the IECEx  
Certification Body:

**Katy A. Holdredge**

Position:

**Senior Staff Engineer**

Signature:  
(for printed version)

Date:

2020-02-28

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**UL LLC**  
**333 Pfingsten Road**  
**Northbrook IL 60062-2096**  
**United States of America**





# IECEX Certificate of Conformity

Certificate No.: **IECEX UL 19.0093**

Page 2 of 3

Date of issue: 2020-02-28

Issue No: 0

Manufacturer: **Eveready Battery Co. Inc.**  
533 Maryville University Drive  
PO Box 411460  
St. Louis, MO 63141  
**United States of America**

Additional  
manufacturing  
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

#### STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

**IEC 60079-0:2011** Explosive atmospheres - Part 0: General requirements  
Edition:6.0

**IEC 60079-11:2011** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:6.0

**IEC 60079-28:2015** Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation  
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

#### TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[US/UL/ExTR19.0105/00](#)

Quality Assessment Report:

[US/UL/QAR10.0006/08](#)



# IECEX Certificate of Conformity

Certificate No.: **IECEX UL 19.0093**

Page 3 of 3

Date of issue: 2020-02-28

Issue No: 0

**EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The Model ISHD32 is an intrinsically safe portable LED headlight powered by three series-connected "AAA" alkaline cells. The device contains two printed circuit boards which are enclosed within an IP 67 rated non-metallic housing.

**Please see Annex for additional information.**

**SPECIFIC CONDITIONS OF USE: NO**

**Annex:**

[Annex\\_to\\_IECEX\\_UL\\_19.0093\\_Issue\\_0.pdf](#)



# IECEx Certificate of Conformity

Certificate No.: IECEx UL 19.0093

Issue No.: 0

Page 1 of 1

## PARAMETERS RELATING TO THE SAFETY

The device uses only three Energizer 1.5V E92 or EN92 "AAA" Alkaline batteries connected in series.

## MARKING

Marking has to be readable and indelible; it has to include the following indications:



MODEL : ISHD32  
DEMKO 19 ATEX 2277  
IECEx UL 19.0093  
Ex Ia op Is I/IC T4 Ma/Ga  
MADE IN CHINA

Only as to Intrinsic Safety for use in hazardous locations.  
Class I,II,III Div 1,2 Groups A,B,C,D,E,F&G, Operating Temp. Class T4.

**WARNING - TO REDUCE THE RISK OF EXPLOSION, DO NOT MIX FRESH BATTERIES WITH USED BATTERIES, OR MIX BATTERIES FROM DIFFERENT MANUFACTURERS.**

**WARNING - SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY.**

**AVERTISSEMENT: LA SUBSTITUTION DES COMPOSANTS PEUT NUIRE À LA SÉCURITÉ INTRINSÈQUE.**

**WARNING - DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.**

**AVERTISSEMENT - NE PAS OUVRIR EN PRÉSENCE D'UNE ATMOSPHÈRE EXPLOSIVE**

**WARNING - USE ONLY Energizer E92 or EN92 BATTERY.**

**AVERTISSEMENT - UTILISER UNIQUEMENT DES ACCUMULATEURS Energizer E92 or EN92**