

## ARKUSZ DANYCH PRODUKTU

# MS2AALED

### RZECZYWIŚCIE BEZPIECZNA

- Zatwierdzona przez światowe urzędy pod względem rzeczywiście ochronnej funkcji oświetlenia



### ROZPOZNAWALNA

- Zatwierdzony na całym świecie pomarańczowy kolor ochronny



### WODOSZCZELNA

- Zabezpiecza znajdujące się wewnątrz podzespoły przed szkodliwym działaniem wody
- Stopień ochrony IP67



### ODPORNĄ NA UDERZENIA

- Wytrzymuje upadek z wysokości 213 cm



### EKONOMICZNA

- Zmniejszone zużycie baterii w celu oszczędności kosztów
- 20-godzinny czas pracy



Latarka MS2AALED, zatwierdzona przez światowe urzędy bezpieczeństwa, jest idealna do pracy w trudnych warunkach. Jest ona wodoszczelna, odporna na zabrudzenia oraz wytrzymuje upadek z wysokości 213 cm.

Wbudowany zaczep sprężynujący zapewnia łatwy dostęp, a kompaktowa wielkość powoduje, że doskonale pasuje w każdej skrzynce z narzędziami. Ochronny, pomarańczowy kolor (zatwierdzony na całym świecie) zapewnia, że można ją natychmiastowo rozpoznać. Dioda LED w białym kolorze powoduje, że uzyskiwane oświetlenie jest jednostajne i jasne.



### ZATWIERDZONA PRZEZ:

- UL913 klasa I, II i III
- CAN/CSA C22.2 Nr 157-92
- IEC 60529 – norma dot. ochrony przez wodą i kurzem

### OCZEKUJE ZATWIERDZENIA PRZEZ:

- ATEX (CENELEC)
- IECE0078

#### Przed użyciem latarki:

Prosimy zapoznać się ze wszystkimi poleceniami i informacjami ostrzegawczymi na opakowaniu oraz na latarce

## Latarka ochronna 2 AA LED Rzeczywiście bezpieczna

**CONTRACTOR.**

### Dane szczegółowe:

Oznaczenie: Kontraktor  
Latarka ochronna 2AA LED

Model: MS2AALED

Kolor: Ochronny pomarańczowy i czarny

Źródło zasilania: Dwie baterie „AA”

ANSI/NEDA: Seria 15

Żarówka: Trzy diody LED C5 Nichia  
w kolorze białym

Moc wyjściowa żarówki: 18 lumenów

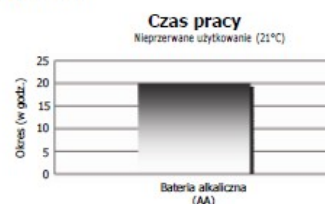
Czas pracy: 20 godz.

Wytrzymałość: Odporna na upadek z wysokości 213 cm

Typowa masa: 65,20 g  
(bez baterii)

Wymiary (mm): 152 x 35 x 41

### Wydajność:



### Ważna informacja

Niniejszy arkusz zawiera istotne informacje dotyczące konkretnych produktów wytwarzanych w czasie wydawania tej publikacji.

Treść zawarta w niniejszym arkuszu nie stanowi gwarancji  
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Ref. 06NK18226

<b>Contact Person</b> Joshua Saunders	<b>Examiner</b> Ulla Jakobsen	<b>Our reference</b> 143829-01	<b>Direct phone</b> +45 44 85 63 27	<b>Date</b> 2007-10-05
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Dear Sirs,

**Your order executed by UL International Demko A/S**

UL International Demko A/S has the pleasure of enclosing EC-Type Examination Certificate No. Demko 07ATEX 0618226.

Your attention is also drawn to UL International Demko A/S Standard Terms and Conditions. Should you have any questions regarding the above, please contact UL International Demko A/S.

UL International Demko A/S is at your disposal should you require additional information about our services, such as information on the GOST R certification for Russia, CCC certification for China and certification for other countries requested by you to meet the needs of your company.

We would like to take the opportunity to thank you for the co-operation and hope you will make use of our services in the future.

Yours sincerely,

Ulla Jakobsen  
Certification Project Handler



[1] **EC-TYPE EXAMINATION CERTIFICATE**

[2] **Equipment or Protective System intended for use  
in Potentially Explosive Atmospheres  
Directive 94/9/EC**



[3] **EC-Type Examination Certificate Number: DEMKO 07 ATEX 0618226**

[4] **Equipment or Protective System: Intrinsically Safe Flashlights**

[5] **Manufacturer: Eveready Battery Company**

[6] **Address: 25225 Detroit Road, Westlake, OH 44145, USA**

[7] This equipment or protective system 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 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to design and construction of equipment and protective systems 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. 0618226

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN 50014: 1997 E incl. A1+A2      EN 50020: 2002 E      EN 60079-26:2004 E**

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

[11] This EC-Type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by the certificate.

[12] The marking of the equipment or protective system shall include the following:

 **I M2/II 1 G EEx ia I/II C T4**

On behalf of UL International Demko A/S

Herlev, 2007-10-04

**Karina Christiansen**  
Certification Manager

**UL International Demko A/S**

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Certificate: 07 ATEX 0618226

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# Schedule

[13]

## EC-TYPE EXAMINATION CERTIFICATE No. DEMKO 07 ATEX 0618226

[14]

[15] Description of Equipment or protective system  
Intrinsically safe, portable, handheld, plastic flashlights powered by two replaceable alkaline batteries.

Nomenclature for type: *MS2AALED* and *IN2AALED* are identical and are used with two size "AA" alkaline batteries. *MS2DLED* and *IN2DLED* are identical and are used with two size "D" alkaline batteries.

### Temperature range

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

### Electrical data

Intrinsically safe specifications:

Models *MS2AALED* and *IN2AALED* are for use only with the following batteries:  
Energizer E91, Duracell MN1500, and Rayovac 815.

Models *MS2DLED* and *IN2DLED* are for use only with the following batteries:  
Energizer E95, Duracell MN1300, and Rayovac 813.

### Routine tests

None.

[16]

Report No.  
Project Report No.: 06NK18226 (Hazardous Location Testing)

Drawings:

Title:	Drawing No.:	Rev. Level:	Date:
Model <i>MS2AALED</i> Assembly	06-0373	E1	2006/03/15
Model <i>MS2DLED</i> Assembly	06-0217	E4	2006/03/07
Model <i>MS2AALED</i> Markings	07-1029	E0	2007/08/03
Model <i>MS2DLED</i> Markings	07-1028	E0	2007/08/09
Model <i>MS2AALED</i> Schematics	06-0344	0	2006/03/18
Model <i>MS2DLED</i> Schematics	06-0343	1	2006/04/18
Model <i>MS2AALED</i> Artwork	06-0320	0	2006/03/18
Model <i>MS2DLED</i> Artwork	06-0178	1	2006/03/02
Model <i>MS2AALED</i> Bill of Materials	06-0345	E3	2006/09/01
Model <i>MS2DLED</i> Bill of Materials	06-0342	E1	2006/08/30
Model <i>MS2AALED</i> Tube	07-1030	0	2006/03/23
Model <i>MS2DLED</i> Tube	07-1031	0	2007/06/04
Model <i>MS2AALED</i> Clip Spring	06-0317	0	2006/03/21
Model <i>MS2DLED</i> Locking Ring	06-0227	1	2006/03/06
Model <i>MS2AALED</i> End Cap O-Ring	06-0319	E0	2006/03/23
Model <i>MS2AALED</i> Head O-Ring	06-0318	E2	2006/03/23

### UL International Demko A/S

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Report: 06NK18226

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## Schedule

[14]

### EC-TYPE EXAMINATION CERTIFICATE No. DEMKO 07 ATEX 0618226

Title:	Drawing No.:	Rev. Level:	Date:
Model MS2DLED End Cap O-Ring	06-0225	E1	2006/03/07
Model MS2DLED Head O-Ring	06-0224	E1	2006/07/03

[17] Special conditions for safe use:

None.

[18] Essential Health and Safety Requirements

Concerning ESR this Schedule verifies compliance with the Ex standards only. The manufacturer's Declaration of Conformity declares compliance with other relevant Directives.

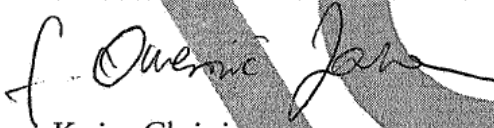
Additional information

The intrinsically safe flashlights have in addition passed the tests for Ingress Protection to IP67 in accordance with EN60529: 1991/A1 2001.

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in ANNEX III to Directive 94/9/EC of the European Parliament and the Council of 23 March 1994.

On behalf of UL International Demko A/S

Herlev, 2007-10-04



Karina Christiansen  
Certification Manager

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[CRCW04021961FRT7](#) [5800-0090](#) [CRCW04024021FRT7](#) [CRCW040254R9FRT7](#) [CRCW0603102JRT5](#) [59065-5](#) [00-8273-RDPP](#) [00-8729-](#)  
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