

(13) Annex to

(14) **EC-Type Examination Certificate**
TÜV 15 ATEX 7713 X

(15) **Description of equipment**

15.1 Equipment and type:

Explosion Proof Portable LED Torch Light, KAlcidae

15.2 Description

General product information

This Explosion Proof Portable LED Torch Light is designed with Equipment protection by intrinsic safety "ib", using LED light source, the shell is made from aluminium alloy. Have high strength, light weight, high security and stability.

This torch light is composed of three parts: front head, lamp-sleeve and tail part.

The front head includes: LED, front light-transmitting glass, reflector, control board, protection board, charging plug and buttons.

The lamp-sleeve (middle part) includes: sleeve and one battery within the container where tail LED light is attached.

There is difference for tail part between product types with different candela distributions. For 80°, the tail part is composed of metal cover and glass. For 180°, the tail part is plastic floodlight cover.

15.3 Technical Data

Ambient temperature: -20°C-+55°C

Ui: 3.6V

Ii: 700mA

Pi: 2.52W

Ci: 18.72µF

Li: 0 H

Battery model: UR 18650A

Um (for the charger): 240V

This EC-Type-Examination Certificate without signature and stamp shall not be valid.
This EC-Type-Examination Certificate may be circulated only without alteration. Extracts or alterations are subject to approval by the
TÜV Rheinland Notified Body of TÜV Rheinland Industrie Service GmbH, Am Grauen Stein 51105 Köln
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(16) **Test-Report No.** 557/Ex7713.00/15

Parts of the device, which already fulfill the requirements for the category, were not approved and assessed by TÜV Rheinland Industrie Service.

The applicability and assembly of mechanical and electrical parts and components were assessed and approved by TÜV Rheinland Industrie Service with respect to the requirements of explosion protection.

(17) **Special Conditions for safe use**

1. The ambient temperature is -20°C- +55°C.
2. The torch light shall be charged in non-hazardous area. The Ex ic charger or the charger specified in User manual and provided by manufacturer shall be used.
3. WARNING – DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.
4. WARNING – USE ONLY UR18650A MANUFACTURED BY SANYO ELECTRIC CO., LTD BATTERIES.

(18) **Basic Safety and Health Requirements**

Covered by afore mentioned standard

TÜV Rheinland ExNB für explosion protected equipment

Cologne, 2016-02-10

Dipl.-Ing. Andreas Masonke



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