

## UNI-EX

03.5617/03.5617AU/03.5617UK / Certificates

UNI-EX is approved and certified by TÜV SÜD according to the ATEX Directive no. 2014/34/EU effective from April 2016 and according to IECEx.



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## ATEX certificate





Italia

# CERTIFICATE

## [1] EU-TYPE EXAMINATION CERTIFICATE

[2] **Equipment or Protective System intended for use in potentially explosive atmospheres Directive 2014/34/EU**

[3] EU-Type Examination Certificate number:

**TÜV IT 16 ATEX 083 X Rev.3**

[4] Equipment or Protective System: Handheld rechargeable work light  
model No.: UNI-Ex 03.5617

[5] Manufacturer: Scangrip A/S

[6] Address: Rytterhaven 9 5700 Svendborg, Denmark

[7] This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] TÜV Italia, notified body no. 0948 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 Annex II to the Directive.

The examination and test results are recorded in confidential report no. R 16 EX 064 Rev.3

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

**EN IEC 60079-0 : 2018 ; EN 60079-11:2012**

[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 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 this certificate.

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



**II 1G Ex ia IIC T3 Ga**  
**II 1D Ex ia IIIC T130°C Da**

This certificate may only be reproduced in its entirety and without any change, schedule included

Issue date: 05<sup>th</sup> May 2021



PRD N° 081B

Membro degli Accordi di Mutuo Riconoscimento  
EA, IAF e ILAC  
Signatory of EA, IAF and ILAC Mutual  
Recognition Agreements



**TÜV Italia S.r.l.**  
**Notified body N° 0948**

*Alberto Carelli*  
**Alberto Carelli**  
**Industry Service – Real Estate & Infrastructure**  
**Managing Director**

TÜV Italia has been authorized by Italian government to operate as notified body for the certification of equipment or protective system intended for use in potentially explosive atmospheres. This document is not valid without official signature and logo. The internal reference code is 72227294

page 1 of 3

PEX-01-M002\_r07 del 29/03/2018

[13]

## SCHEDULE



Italia

[14]

EU-TYPE EXAMINATION CERTIFICATE  
No. TÜV IT 16 ATEX 083 X Rev.3

## Certificate History

Revision:	Description:	Report rev.:	Issue Date:
-	First Emission	R 16 EX 064	04/04/2017
1	Modification of Ex rating	R 16 EX 064 Rev.1	31/01/2018
2	Modification of Ex rating Modification of Construction	R 16 EX 064 Rev.2	17/05/2019
3	- Change LED module - Modification of LED driver circuit - Change battery - Change model name - Change power rating - Remove "op is" rating - Standard version upgrade	R 16 EX 064 Rev.3	05/05/2021

## [15] Description of equipment

Handheld rechargeable work light part is composed of a shell, a foldable stand, 2 LED modules, a intrinsically circuit control board, a battery pack and a hook assembly. The light is with rechargeable lithium iron phosphate battery. The switch is at back of light, with Low-High-OFF three modes. There is battery capacity indication at back of light, for checking the capacity at any time. The control PCB is encapsulated. There is a charging base as accessory to the working light, to be used with a separate battery charger.

Charging should be in a non-hazardous area.

This certification does not cover the charging base, nor the battery charger.

## Rated characteristics

Enclosure material	Plastic
Ambient temperature	-20 °C ≤ Tamb ≤ 45 °C
Protection degree	IP65 (according to EN 60529)
Rated voltage/current	5V/2A d.c. (Charging)
Rated power	3.5W
Battery	ZJ18650, 3.6V, 6700mAh

## Warning label

- DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT
- DO NOT CHARGE THE BATTERY IN HAZARDOUS LOCATION
- DO NOT REPLACE BATTERY WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.

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page 2 of 3

PEX-01-M002\_006 del 07/08/2018



Italia

[13]

**SCHEDULE**

[14]

**EU-TYPE EXAMINATION CERTIFICATE**  
**No. TÜV IT 16 ATEX 083 X Rev.3**
[16] **Report no.** R 16 EX 064 Rev. 3**Routine tests**

None

[17] **Special conditions for safe use**

1. Operation:  $-20\text{ °C} \leq T_{amb} \leq 45\text{ °C}$
2. Charging (in the nonclassified area):  $0\text{ °C} \leq T_{amb} \leq 45\text{ °C}$
3. Only use the battery charger and charging base from Scangrip to charge the LED work light.
4.  $U_m$  of battery Charger: 250V a.c.,  $U_o$  of charging base: 6.93V d.c.

[18] **Essential Health and Safety Requirements**

Assured by compliance with the standards set out in the [9].

[19] **Drawings and Documents****Listed documents**

Title:	Description:	Pag.	Rev:	Date:
/	Manufacturer's Declaration Of Conformity	1	/	/
20217220	Product drawing	36	1.0	2020-08-24
10808970A	PCB Schematic	1	1.0	2021-04-14
10808970A	Contol PCB layout	1	1.0	2021-04-14
10808970A	Top LED board layout	1	1.0	2021-04-14
11323320A	User instruction	9	1.0	2021-04-14

One copy of all documents is kept in TÜV Italia files.

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page 3 of 3

PEX-01-M002\_006 del 07/08/2018

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IECEX certificate





# 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.:	<b>IECEx TPS 17.0003X</b>	Page 1 of 5	<u>Certificate history:</u>
Status:	<b>Current</b>	Issue No: 2	Issue 1 (2019-03-18) Issue 0 (2017-03-15)
Date of Issue:	2021-05-07		
Applicant:	<b>Scangrip A/S</b> Rytterhaven 9 5700 Svendborg Denmark		
Equipment:	<b>Handheld rechargeable work light/model: UNI-EX03.5617</b>		
Optional accessory:			
Type of Protection:	<b>intrinsic safety "I",</b>		
Marking:	Ex ia IIC T3 Ga Ex ia IIIC T130°C Da		

Approved for issue on behalf of the IECEx  
Certification Body:

**Frank Zhu, MSc.**

Position:

**Technical Certifier**

Signature:  
(for printed version)

Date:

2021.05.08

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:

**TÜV SÜD Product Service GmbH**  
Ridlerstr. 65  
D-80339 Munich  
Germany



Product Service



# IECEx Certificate of Conformity

Certificate No.: **IECEx TPS 17.0003X**

Page 2 of 5

Date of issue: 2021-05-07

Issue No: 2

Manufacturer: **Scangrip A/S**  
Rytterhaven 9 5700 Svendborg  
**Denmark**

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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

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

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 Reports:

DE/TPS/ExTR18.0014/00

DE/TPS/ExTR20.0037/00

GB/CML/ExTR17.0061/00

##### Quality Assessment Reports:

DE/TPS/QAR17.0004/00

DE/TPS/QAR17.0004/03

DE/TPS/QAR17.0004/01

DE/TPS/QAR17.0004/04

DE/TPS/QAR17.0004/02



## IECEx Certificate of Conformity

Certificate No.: **IECEx TPS 17.0003X**

Page 3 of 5

Date of issue: 2021-05-07

Issue No: 2

### **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

Handheld rechargeable work light, model UNI-EX03.5617 is composed of shell, foldable stand, LED module, intrinsically circuit control board, battery pack and hook assembly. The light is with rechargeable lithium iron phosphate battery.

The switch is at back of light, with Low-High-OFF three modes. There is battery capacity indication at back of light, for checking the capacity at any time.

PCB is full encapsulated.

There is a charging base as accessory to the working light, to be used with a separate battery charger.

Charging should be in a non-hazardous area.

### **SPECIFIC CONDITIONS OF USE: YES as shown below:**

Operation:  $-20\text{ }^{\circ}\text{C} \leq T_{amb} \leq 45\text{ }^{\circ}\text{C}$

Charging (in the nonclassified area):  $0\text{ }^{\circ}\text{C} \leq T_{amb} \leq 45\text{ }^{\circ}\text{C}$

Only use the battery charger and the charging base from Scangrip to charge the LED work light.

$U_m$  of battery Charger: 250V a.c.,  $U_o$  of charging base: 6.93V d.c.



## IECEx Certificate of Conformity

Certificate No.: **IECEx TPS 17.0003X**

Page 4 of 5

Date of issue: 2021-05-07

Issue No: 2

### Equipment (continued):

#### Rating:

Supplied by battery pack: ZJ18650 3.6V 6700mAh 24.12Wh

Protection degree: IP65 according to IEC 60529

Rated voltage: 5V d.c. (Charging)

Rated current: 2A d.c. Max (Charging)

#### Warning label

1. DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT
2. DO NOT CHARGE THE BATTERY IN HAZARDOUS LOCATION
3. DO NOT REPLACE BATTERY WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.



## IECEx Certificate of Conformity

Certificate No.: **IECEx TPS 17.0003X**

Page 5 of 5

Date of issue: 2021-05-07

Issue No: 2

### **DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

- Change LED module
- Modification of LED driver circuit
- Change battery
- Change model name
- Remove "op is" rating
- Standard version upgrade

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IECEX quality assessment report covering entire  
EX PROOF range





# IECEX Quality Assessment Report Summary

## 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)

QAR Ref. No.:	<b>DE/TPS/QAR17.0004/06</b>	Page 1 of 1
QAR Free Ref. No.:	<b>64.197.17.00595.07</b>	Status: <b>Issued</b>
Details of change:	Re-certification audit	Date of issue: <b>2023-02-22</b>
Site(s) audited:	<b>Scangrip A/S</b> Rytterhaven 9 5700 Svendborg Denmark	Valid until: <b>2026-02-22</b> Audit date: <b>2023-02-22</b>
Issuing ExCB:	<b>TPS - TÜV SÜD Product Service GmbH</b>	
Manufacturer:	<b>Scangrip A/S</b> Rytterhaven 9 5700 Svendburg	
Location of Manufacturer:	<b>Denmark</b>	
Product information:	Ex-LED light	
Protection concept:	<b>Ex "d", "e", "I", "m", "I"</b>	
Related QARs:		
DE/TPS/QAR17.0004/00	DE/TPS/QAR17.0004/01	DE/TPS/QAR17.0004/02
DE/TPS/QAR17.0004/03	DE/TPS/QAR17.0004/04	DE/TPS/QAR17.0004/05
Related Certificates (manual insertion):		
Related Certificates (automatic linking):		
Related Certificates for previous versions:		
IECEX TPS 17.0001X issue: 0	IECEX TPS 17.0001X issue: 1	IECEX TPS 17.0002X issue: 0
IECEX TPS 17.0002X issue: 1	IECEX TPS 17.0003X issue: 0	IECEX TPS 17.0003X issue: 1
IECEX TPS 17.0003X issue: 2	IECEX TPS 18.0017X issue: 0	IECEX TPS 18.0018X issue: 0
Comments:	<b>Re-certification audit</b>	

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ATEX quality assurance notification covering the  
entire EX PROOF range



# NOTIFICATION

## PRODUCTION QUALITY ASSURANCE NOTIFICATION

- [1] **Equipment or Protective System or Component intended for use in potentially explosive atmospheres Directive 2014/34/EU**



- [3] Notification number:

**TPS 17 ATEX Q 54006 0008 Rev. 04**

- [4] Equipment or Component as listed: see schedule

Protection concepts: see schedule

- [5] Manufacturer: Scangrip A/S  
Rytterhaven 9 5700 Svendborg, Denmark



- [6] Site(s) audited: Scangrip A/S  
Rytterhaven 9 5700 Svendborg, Denmark

- [7] TÜV SÜD Product Service GmbH, notified body no. 0123 in accordance with Article 18 of the Council Directive 2014/34/EU of 26 February 2014, notifies that the manufacturer has a production quality system which complies to Annex IV and VII of the Directive.

- [8] This notification is based on the confidential audit with report no. 64.197.17.00594.07.

This notification can be withdrawn if the manufacturer no longer satisfies with the requirement of Annex IV.

Results of periodical re-assessment of the quality system are a part of this notification.

- [9] This notification is valid until 14.01.2026 and can be withdrawn if the manufacturer does not satisfy the production quality assurance surveillance.

- [10] According to Article 16 paragraph 3 of the Directive 2014/34/EU the CE marking shall be followed by the identification no. 0123 identifying the notified body involved in the production control stage.

Certification Body

München, 21.02.2023

Ing. Frank Zhu, MSc.



Page 1 / 2

Certificates without signature shall not be valid. The Certificates may only be circulated in full including its schedule(s). Extracts or alterations are subject to approval by TÜV SÜD Product Service GmbH. In case of dispute, the German text shall prevail. The document is administrated under the following number: EX2A 054006 0012 Rev. 02

Doc. Name: Tuv-E#896-TPS-QM-N-Fov. 01

TÜV SÜD Product Service GmbH • Certification Body • Rüdigerstraße 65 • 80339 München • Germany

[11]

**SCHEDULE**

[12]

**PRODUCTION QUALITY ASSURANCE NOTIFICATION**
**No. TPS 17 ATEX Q 54006 0008 Rev. 04**

 [13] **List of EU-Type Examination Certificate(s):**

EU-Type Examination Certificate(s)	Equipment or Protective System or Component	Protection Concepts
TÜV IT 16 ATEX 081 X Rev.1	Electrical equipment Group II Category 2G, 2D Rechargeable work light	Ex "db", "eb", "mb" and "lb"
TÜV IT 16 ATEX 082 X Rev.1	Electrical equipment Group II Category 2G, 2D AC work light	Ex "db", "eb", "mb" and "lb"
TÜV IT 16 ATEX 083 X Rev.3	Electrical equipment Group II Category 1G, 1D Or 2G, 2D Handheld rechargeable work light	Ex "lb" or Ex"la"
TPS 18 ATEX 054006 0014X Rev.01*	Electrical equipment Group II Category 3G, 3D Rechargeable EX PROOF head lamp with sensor function	Ex "ic"
TPS 18 ATEX 054006 0015X Rev.01*	Electrical equipment Group II Category 3G, 3D Handheld EX PROOF work light	Ex "ic"

\*Included in the assessment based on a voluntary basis. Those products can not be marked with the notified number of TÜV SÜD Product Service GmbH, notified no. 0123 along the CE marking

Page 2 / 2

Certificates without signature shall not be valid. The Certificates may only be circulated in full including its schedule(s). Extracts or alterations are subject to approval by TÜV SÜD Product Service GmbH. In case of dispute, the German text shall prevail. The document is administrated under the following number: EX2A 054006 0012 Rev. 02

CE Declaration of conformity





## EU Declaration of Conformity

Year in which CE Mark was first affixed: 2021

### We, Scangrip A/S

Rytterhaven 9  
5700 Svendborg  
Denmark  
Phone no. +45 6320 6320

### Declare under our sole responsibility for the product:

<b>Product Range:</b>	<b>BRAND: SCANGRIP</b> <b>NAME: UNI-EX</b>  <b>EQUIPMENT:</b> Explosion Proof - Handheld rechargeable work light, Class III  <b>MARKING:</b> <b>II 1G Ex ia IIC T3 Ga</b> <b>II 1D Ex ia IIIC T130°C Da</b>  Charger: Input 100-240V AC 50/60Hz, Output 5V 2A DC Class II Battery: 3.6V 6700mAh 24.12Wh Li-ion Specifications: Main light 175/350lm, Spotlight 150lm, IP65, Operating temp range -20° +45° C
<b>Product Code:</b>	<b>03.5617</b>

The designated product is in conformity with the essential requirements of the following European Directives and harmonized standards:

#### Equipment for explosive atmospheres (ATEX) Directive 2014/34/EU

EN IEC 60079-0:2018  
EN 60079-11:2012

#### Low voltage (LVD) Directive 2014/35/EU

EN 60598-1:2021

Have been subjected to the EU type examination certificate:

We declare under our sole responsibility that the following products fulfill the relevant directives:  
ATEX directive 2014/34/EU. The type examination certificate is issued by TÜV Italia SRL, NB 0948, certificate No. TÜV IT 16 ATEX 083 X Rev.3

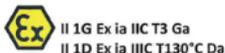
The manufacture is according to a certificated production quality assurance system.  
The QAN certificate is issued by TÜV SÜD Product Service GmbH, NB 0123.

The quality management system ISO 9001:2015 is certified:  
Bureau Veritas, Certificate Nr. DK014205

This declaration of conformity is issued under our sole responsibility.

Date: 30.01.2023

*Jasar Elezaj*  
Jasar Elezaj  
Quality Manager & Ex-protection representative

**ATEX Ex Marking:**

**Ex symbol explanation**

SYMBOL	MEANING
	The symbol reported complies with annex X of the directive 2014/34/EU and identify that the product meets the essential Health and Safety Requirement of the directive
	Specific symbol of ATEX directive 2014/34/EU, given in the Annex II of the directive
II	Group of the equipment. Group II refers to equipment for use in an explosive gas & dust atmosphere other than mines susceptible to firedamp
I	Category of the equipment subjected of certification, category 1
G	Presence of potentially explosive atmospheres of gas, vapours, mist
D	Presence of potentially explosive atmospheres of dusts and flyings
Ex ia	Type of protection where the parts that can ignite an explosive gas atmosphere are placed in an enclosure that can with stand the pressure developed during an internal explosion of an explosive mixture and can prevent the transmission of the explosion to the outside ambience
Ex ia	Type of protection for explosive dust atmospheres where electrical equipment is provided with an enclosure providing dust ingress protection and a means to limit surface temperature
IIC	Group of gas for which the equipment is suitable
IIIC	Group of dust for which the equipment is suitable
T3	classification system of Ex Equipment, based on its maximum surface temperature, related to the specific explosive gas atmosphere for which it is intended to be used
T130°C	The limit for maximum surface temperature where a equipment is installed in explosion atmospheres dust
Ga	equipment for explosive gas atmospheres, having a "high" Level of Protection, which is not a source of ignition in normal operation or during expected malfunctions
Da	equipment for explosive dust atmospheres, having a "high" Level of Protection, which is not a source of ignition in normal operation or during expected malfunctions
Cert.NO.xxxxxx	EU -type examination number issued by the Notified Body involved in verification of Annex III of directive 2014/34/EU. Certificate number issued by the Certified Body involved in verification according to IECEx scheme 02

SCANGRIP.COM



DESIGNED BY  
SCANGRIP  
IN DENMARK



V3/03.2023/CXQ

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// SCANGRIP A/S Rytterhaven 9 DK-5700 DENMARK