

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.





CERTIFICAT

CERTIFICADO

CERTIFIKAT

認證證書

CERTIFICATE

ZERTIFIKAT

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: 05th 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
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 systems intended for use in potentially explosive atmospheres. This document is not valid without official signature and logo. The internal reference code is 722232854

page 1 of 3

PEX-01-M002, #07 del 29/03/2018

[13]

SCHEDULE

[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.

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

page 2 of 3

PEX-01-M002_03_06 07/08/2018



Italia

SCHEDULE

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

[13]

[14]

[16] Report no. R 16 EX 064 Rev. 3

Routine tests

None

[17] Special conditions for safe use

1. Operation: $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq 45^{\circ}\text{C}$
2. Charging (in the nonclassified area): $0^{\circ}\text{C} \leq T_{\text{amb}} \leq 45^{\circ}\text{C}$
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	Control 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.

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

page 3 of 3

PEX-01-M002_108 del 07/08/2018

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

Certificate No.:	IECEx TPS 17.0003X	Page 1 of 5	<u>Certificate history:</u>
Status:	Current	Issue No: 2	Issue 1 (2019-03-18) Issue 0 (2017-03-15)
Date of Issue:	2021-05-07		
Applicant:	Scangrip A/S Rytterhaven 9 5700 Svendborg Denmark		
Equipment:	Handheld rechargeable work light/model: UNI-EX03.5617		
Optional accessory:			
Type of Protection:	intrinsic safety "I",		
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 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: $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq 45^{\circ}\text{C}$

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

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

U_{in} 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

**ATEX quality assurance notification covering the
entire EX PROOF range**





Product Service

NOTIFICATION

PRODUCTION QUALITY ASSURANCE NOTIFICATION

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



- [3] Notification number:

TPS 17 ATEX Q 54006 008 Issue 3

- [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. 64197170059404.

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

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

- [9] This notification is valid until 14.01.2023 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.

On Behalf Of The Certification Body

München, 31.03.2020

Ing. Kristof De Gersem, 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. 01

Doc. Name: Tally (EX2A) TPS-G05-01 Rev. 01

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

TÜV®



Product Service

[11]

SCHEDULE

[12]

PRODUCTION QUALITY ASSURANCE NOTIFICATION**No. TPS 17 ATEX Q 54006 Issue 3**[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	Electrical equipment Group II Category 2G, 2D Rechargeable work light	Ex "db", "eb", "mb" "op is" and "tb"
TÜV IT 16 ATEX 082 X	Electrical equipment Group II Category 2G, 2D AC work light	Ex "db", "eb", "mb" "op is" and "tb"
TÜV IT 16 ATEX 083 X Rev.2	Electrical equipment Group II Category 1G, 1D Or 2G, 2D Handheld rechargeable work light	Ex "b" and "op is" or Ex "is" and "op is"
TPS 18 ATEX 054006 0014X Rev.00*	Electrical equipment Group II Category 3G, 3D Rechargeable EX PROOF head lamp with sensor function	Ex "ic"
TPS 18 ATEX 054006 0015X Rev.00*	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: EXZA 054006 0012 Rev. 01

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

TUV®

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

QAR Ref. No.:	DE/TPS/QAR17.0004/03	Page 1 of 1
QAR Free Ref. No.:	64.197.17.00595.04	Status: Issued
Details of change:	Re-certification audit	Date of issue: 2020-03-31
Site(s) audited:	Scangrip A/S Rytterhaven 9 5700 Svendborg Denmark	Valid until: 2023-03-31 Audit date: 2020-03-31
Issuing ExCB:	TPS - TÜV SÜD Product Service GmbH	
Manufacturer:	Scangrip A/S Rytterhaven 9 5700 Svendborg Denmark	
Location of Manufacturer:	Denmark	
Product information:	Ex-LED light	
Protection concept:	Ex "d", "e", "i", "m", "op is", "t"	
Related QARs:		
DE/TPS/QAR17.0004/00	DE/TPS/QAR17.0004/01	DE/TPS/QAR17.0004/02
Related Certificates (manual insertion):		
Related Certificates (automatic linking):		
Related Certificates for previous versions:		
IECEx TPS 17.0001X issue: 0	IECEx TPS 17.0002X issue: 0	IECEx TPS 17.0003X issue: 0
IECEx TPS 17.0003X issue: 1	IECEx TPS 18.0017X issue: 0	IECEx TPS 18.0018X issue: 0
Comments:		

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:

Product Range:	BRAND: SCANGRIP NAME: UNI-EX EQUIPMENT: Explosion Proof - Handheld rechargeable work light, Class III MARKING: II 1G Ex ia IIC T3 Ga II 1D Ex ia IIIC T130°C Da 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
Product Code:	03.5617

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 60598-1:2015

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. DK009406
--

This declaration of conformity is issued under our sole responsibility.

Date: 10.05.2021  Anders Borring Managing Director and Owner
--





DESIGNED BY
SCANGRIP
IN DENMARK