SCANGRIP®
INNOVATION FROM DENMARK

UNI-EX

03.5600/03.5600AU/03.5600UK / 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.



ATEX certificate

ZERTIFIKAT ◆ CERTIFICATE ◆ 認可証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

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

[4] Equipment or Protective System: Handheld rechargeable work light, Model: UNI-EX03.5600

[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

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

EN 60079-0 : 2012 + A11 : 2013 EN 60079-11 : 2012 EN 60079-28 : 2015

[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:

Ex	II 2G	Ex ib op is IIC T4 Gb	-20 °C ≤ Tamb ≤ 45 °C
	II 2D	Ex ib IIIC T120°C Db	-20 °C ≤ Tamb ≤ 45 °C

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

Issue date:04th April 2017

ACCREDIA L'ENTE ITALIANO DI ACCREDITAMENTO

SGQ N° 048A SSI N° 055G ISP N° 057E
SGA N° 018D ITA N° 001L LAB N° 0078
SCR N° 006F SGE N° 019M PRD N° 0819
EMAS N° 013P PRS N° 077C

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

TÜV Italia Srl Industrie Service 09 48 Notified Body

TÜV Italia S.r.l.
Notified Body N° 0948

Paolo Marcone
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 722129189.

TÜV Italia • Gruppo TÜV SÜD • Via Carducci 125, Pal. 23 • 20099 Sesto San Giovanni (MI) • Italia • www.tuv.it TÜV®
PEX-01-M002_r05 del 24/05/2016

ZERTIFIKAT ◆ CERTIFICATE ◆ 証明書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

[13] SCHEDULE

[14] EU-TYPE EXAMINATION CERTIFICATE
no. TÜV IT 16 ATEX 083 X

Italia

Certificate History

Revision:	Description:	Report no:	Issue Date:
-	First Emission	0	04/04/2017

[15] **Description of equipment**

Handheld rechargeable work light part 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.

Rated characteristics

Enclosure material	Plastic
Ambient temperature	-20 °C ≤ Tamb ≤ 45 °C
Protection degree	IP65(according to IEC 60529)
Rated voltage/current	5V/2A d.c.
Rated power	2.5W
Battery	DISON IFR18650, 3.2V, 2800mAh

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

[16] **Report no.** R 16 EX 064

Routine test

N/A

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

Operation: -20 °C ≤ Tamb ≤ 45 °C

Charging (in a non-classified area): 0 °C ≤ Tamb ≤ 45 °C

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

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

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

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

[13] SCHEDULE

[14] EU-TYPE EXAMINATION CERTIFICATE
no. TÜV IT 16 ATEX 083 X

Italia

[19] **Drawings and Documents**

Listed documents (prot. 722129189)

Title:	Description:	Pages:	Rev:	Date:
/	Production description	4	/	/
30113470	EX charging base part	1	1.0	15/03/2016
10229950	EX charging base housing	1	1.0	15/03/2016
10229960	EX cover of charging base	1	1.0	15/03/2016
10804530	PCB board	1	1.0	15/03/2016
10405760	beryllium bronze	1	1.0	15/03/2016
10229780	front housing part	1	1.0	15/03/2016
10230890A	upper cover of housing	1	1.0	15/03/2016
10229800	front lens	1	1.0	15/03/2016
10408510A	front housing insert	1	1.0	15/03/2016
10230050	Top lens	1	1.0	15/03/2016
10229850	EX front gadget	1	1.0	15/03/2016
10230900A	EX rear housing part	1	1.0	15/03/2016
10230910A	EX rear housing	1	1.0	15/03/2016
10503720A	copper sheet (insert)	1	1.0	15/03/2016
10229840	EX cover of battery capacity indicator	1	1.0	15/03/2016
10229830	EX protection cover of charging socket	1	1.0	15/03/2016
10304110A	EX O ring	1	1.0	15/03/2016
30113450	battery part	1	1.0	15/03/2016
10229910	EX upper housing of battery box	1	1.0	15/03/2016
10232410A	EX lower housing of battery box	1	1.0	15/03/2016
10229790	EX upper housing of bracket	1	1.0	15/03/2016
10230920A	EX lower housing of bracket	1	1.0	15/03/2016
10303790	EX silicone pick gear	1	1.0	15/03/2016
10408580A	EX magnet board	1	1.0	15/03/2016
10408570A	EX magnet	1	1.0	15/03/2016
11245650A	EX label of bracket magnet	1	1.0	15/03/2016
11008030A	EX top LED board part	1	1.0	15/03/2016
10229820	EX top reflection cup	1	1.0	15/03/2016

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

[13] SCHEDULE

[14] EU-TYPE EXAMINATION CERTIFICATE
no. TÜV IT 16 ATEX 083 X

Italia

11008060A	EX top light board	1	1.0	15/03/2016
11008090A	3535LED (CREE XP-E2)	1	1.0	15/03/2016
11008040A	EX front LED board part	1	1.0	15/03/2016
11004940	LED	1	1.0	15/03/2016
10229810	EX front reflection cup	1	1.0	15/03/2016
10303800	EX button cap	1	1.0	15/03/2016
10408280	EX heat sink	1	1.0	15/03/2016
10231050A	EX hook part	1	1.0	15/03/2016
10229860	EX hook pressing plate	1	1.0	15/03/2016
10229870	EX hook	1	1.0	15/03/2016
30118570	content of battery box	1	1.0	15/03/2016
11251340A	content of lamp	1	1.0	15/03/2016
10231220A	EX PCB Insulating sheet	9	1.0	15/03/2016
/	UNI-EX 03.5600-BOM	2	1.0	15/03/2016
/	UNI-EX 03.5600 Drawing	42	1.0	15/03/2016
AECS-741-12	UNI-EX-03.5600-Instruction	11	1.0	15/03/2016
10408280	Metal Part-ADC12-Heat Sink	3	1.0	15/03/2016
10230890A	Plastic Part-AA757-AA345-AD000D-Housing	3	1.0	15/03/2016
10304110A	Rubber Part XHG151-55,XHG151-75-O ring	9	1.0	15/03/2016
10700830A	Li-ion Battery-DISON IFR18650 3.2V,2800mAh 8.96Wh	10	A0	14/05/2016

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

IECEx certificate



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx TPS 17.0003X	Issue No: 0	Certificate history: Issue No. 0 (2017-03-15)
Status:	**Current**	Page 1 of 4	
Date of Issue:	**2017-03-15**		
Applicant:	**Scangrip A/S** Ryttenhaven 9 5700 Svendborg **Denmark**		
Equipment: *Optional accessory:*	**Handheld rechargeable work light**		
Type of Protection:	**Ex ib, op is**		
Marking:	**Ex ib op is IIC T4 Gb** **-20 °C ≤ Tamb ≤ 45 °C** **Ex ib IIIC T120°C Db** **-20 °C ≤ Tamb ≤ 45 °C**		

Approved for issue on behalf of the IECEx Certification Body: Frank Zhu

Position: Technical Certifier

Signature: (for printed version)

Date: 2017-3-15

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 the Official IECEx Website.

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	Issue No: 0
Date of Issue:	2017-03-15	Page 2 of 4
Manufacturer:	**Scangrip A/S** Rytterhaven 9 5700 Svendborg **Denmark**	

Additional Manufacturing location(s):

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 electrical apparatus 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 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-28 : 2015 Edition:2	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation

*This Certificate **does not** indicate compliance with electrical 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:

GB/CML/ExTR17.0061/00

Quality Assessment Report:

DE/TPS/QAR17.0004/00

IECEx Certificate of Conformity

Certificate No: IECEx TPS 17.0003X Issue No: 0

Date of Issue: 2017-03-15

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Handheld rechargeable work light, model UNI-EX03.5600 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.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Operation: -20 °C ≤ Tamb ≤ 45 °C

Charging (in the nonclassified area): 0 °C ≤ Tamb ≤ 45 °C

IECEx Certificate of Conformity

Certificate No: IECEx TPS 17.0003X Issue No: 0

Date of Issue: **2017-03-15** Page 4 of 4

Additional Information:

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.

ATEX quality assurance notification covering the entire EX PROOF range



ZERTIFIKAT ◆ CERTIFICATE ◆ 認証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

NOTIFICATION

[1] **PRODUCT QUALITY ASSURANCE NOTIFICATION**

[2] **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 008 Issue 1

[4] Equipment or Component as listed: see schedule

Protection concepts: see schedule

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

SCANGRIP
INNOVATION FROM 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 VII of the Directive.

[8] This notification is based on the confidential audit with report no. 64197170059401.

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

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

[9] This notification is valid until 07.02.2020 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 office of explosion proof products

München, 12-04-2017

Ing. Kristof De Gersem, MSc.
(On behalf of)

Certificates without signature and official stamp 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: EX3A 17 03 54006 008.

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

[11] **SCHEDULE**

[12] **PRODUCT QUALITY ASSURANCE NOTIFICATION**

No. TPS 17 ATEX Q 54006 008 Issue 1

[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	Electrical equipment Group II Category 2G, 2D Handheld rechargeable work light	Ex "ib" and "op is"

Certificates without signature and official stamp 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: EX3A 17 03 54006 008.

TÜV SÜD Product Service GmbH · Zertifizierstelle · Ridlerstraße 65 · 80339 München · Germany

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A1 / 04.11

IECEx quality assessment report covering entire EX PROOF range



IECEx Quality Assessment Report

QAR Reference No.	DE/TPS/QAR17.0004/00	**Status**	Current
QAR Free Ref. No.	64.197.17.00595.01		
Audit Date	**Date of issue**	**Valid until**	
2017-02-08	2017-04-12	2020-02-07	
Detail of change			
Site(s) audited	Scangrip A/S,Rytterhaven 9 5700 Svendborg,Denmark		
Issuing ExCB	TPS - TÜV SÜD Product Service GmbH		
Manufacturer	Scangrip A/S,Rytterhaven 9 5700 Svendborg,Denmark		
Country of Manufacture	Denmark		
Product information	Ex-LED light		
Protection concept	Ex "db", "eb", "ib", "mb", "op is", "tb"		
Related QARs	DE/TPS/QAR17.0004/00		
Related Certificates (manual insertion)	None		
Related IECEx Certificates	**ExCB**		
Comment	None		
Annexes	(/iecex/iecexweb.nsf/0/731A3741C6EF79CAC12580E90013B582/$file/)		

CE Declaration of conformity

CE

SCANGRIP
INNOVATION FROM DENMARK

Scangrip Lighting

CE CE

Declaration of Conformity

Year in which CE Mark was first affixed: 2017

We, Scangrip A/S
Rytterhaven 9
5700 Svendborg
Denmark
Phone no. +45 6320 6320

Declare under our responsibility for the product:

Product Range:	**BRAND: SCANGRIP** **NAME: UNI-EX** **EQUIPMENT:** Explosion Proof - Handheld rechargeable work light, Class III **MARKING:** **II 2 G Ex ib op is IIC T4 Gb** **II 2 D EX ib IIIC T120°C Db IP65** Charger: Input 100-240V AC 50/60Hz, Output 5V 2A DC Class II Battery: 3,8V 2800mAh Lithium iron phosphate battery Specifications: Main light 150/300Lm, IP65, Operating temp range -20° +45° C
Product Code:	**03.5600**

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

Satisfy to the requirement of the ATEx Directive 2014/34/EU from 20th April 2016 by compliance with harmonized standards:

EN 60079-0:2012+A1:2013
EN 60079-11:2012
EN 60079-28:2015

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.

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(2008) is certified:
Nordic Certification, Certificate Nr. DK9001-55096

This declaration of conformity is issued under our sole responsibility.

Date: 28.03.2017

Anders Borring
Managing Director and Owner

SCANGRIP.COM

DESIGNED BY
SCANGRIP
IN DENMARK

V2/08.06.2018/ke

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