

EX-VIEW

03.5606/03.5606AU/03.5606UK / Certificates

EX-VIEW 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



Schedule



- (13)
(14)

Type Examination Certificate no. TPS 18 ATEX 054006 0014 X Rev. 01

Certificate History

Revision:	Description:	Report no.:	Issue Date:
Rev. 00	First issue.	64.105.18.01767.01	16.11.2018
Rev. 01	Updated the latest reversion of Standards in certificate, DOC and User manual.	64105180176702	18.01.2023

- (15) Description of equipment:

The Rechargeable EX PROOF headlamp is designed as intrinsic safety type 'ic' and protected by an enclosure with IP65 degree. The head lamp contains front and back covers, bracket, LED module, control circuit module, battery pack, IR sensor module. The covers and bracket are made with injection moulding process with anti-static ABS/ABS+PC resin. The transparent part of front cover and the front decorative part are made with injection moulding process with PC. All external fasteners are made of the material of 304 stainless steel. The heat sink for LED inside of the enclosure is made by ADC12 Aluminium alloy with die cast process. LED control is I.S. circuit. The battery pack contains a rechargeable Li-ion Battery, with two options of the battery manufacturers. The light has a switch for IR sensor at left, and a switch at right to control on/off of light with three levels – spot light, flood light and off. There is a charging port at lower centre of light with the cover of 6063 Aluminium alloy. Charging status is indicated by indicator LED, showing red during charging and green when the battery is fully charged. Charging should be in a safe area.

Technical data:

Enclosure material	Plastic
Ambient temperature	-10 °C ≤ Tamb ≤ 45 °C* or -20 °C ≤ Tamb ≤ 45 °C**
Protection degree	IP65 (tested according to IEC/EN 60529)
Rated voltage/current	5V/0.5A d.c. (Charging)
Rated power	1.6W
Battery	WT 902554-1S, 3.8V, 1600mAh, 6.08Wh or ZJ902554, 3.8V, 1600mAh, 6.08Wh

*for head lamp with battery WT 902554-1S

**for head lamp with battery ZJ902554



Schedule

(13)

Type Examination Certificate no.

(14)

TPS 18 ATEX 054006 0014 X Rev. 01

Warning label:

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

Installation instruction:

See installation instructions provided by the manufacturer and part of this certification.

See also (18) Special conditions for safe use.

(16) Test report(s): 64.105.18.01767.01 and 64105180176702.

Routine tests: None

Document List:

File no.:	Description:	Pages:	Rev:	Date:
/	Manufacturer's Declaration Of Conformity (Draft)	1	/	2023-01-16
20212450	product drawing	3	1.0	2018-10-21
11273090A	-Ex Nameplate content	1	1.0	2018-10-21
20212450	BOM	1	1.0	2018-10-24
10806770A	PCBA	/	1.0	2018-07-20
10806770A-1	-EX ALSHeadLamp Control board BOM	1	1.0	2018-07-20
10806770A-2	-EX ALSHeadLamp Reaction Board layout	1	1.0	2018-07-20
10806770A-3	-EX ALSHeadLamp control Board layout	1	1.0	2018-07-20
10806770A-4	-EX ALSHeadLamp schematic drawing	1	1.0	2018-07-20
11273154A	USER INSTRUCTION	9	1.0	2023-01-16

A copy of the full documentation is kept confidentially at TÜV SÜD.

(17) Special conditions for safe use:

1. Charging (in a non-classified area): 0°C ≤ Tamb ≤ 45 °C
2. Only use the battery charger from Scangrip to charge the LED head lamp.

(18) Essential health and safety requirements:

Assured by compliance with standards set out in (9).

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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: EX6A 054006 0014 Rev. 01

Doc. Name: Tmp-Ex6G-TPS-Type-Cert-Rev. 02

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

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 18.0017X

Issue No: 0

Certificate history:

Issue No. 0 (2018-12-12)

Status: Current

Page 1 of 3

Date of Issue: 2018-12-12

Applicant: Scangrip A/S
Rytterhaven 9 5700 Svendborg
Denmark

Equipment: Rechargeable EX PROOF head lamp with sensor function - Type: EX-VIEW 03.5606

Optional accessory:

Type of Protection: intrinsic safety

Marking:

Ex ic IIC T5 Gc

Ex ic IIIC T100°C Dc

Approved for issue on behalf of the IECEx
Certification Body:

Ing. Kristof De Gerssem MSC.

Position:

Technical Certifier

Signature:
(for printed version)

Date:

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
Rüdlerstr. 65
D-80339 Munich
Germany



Product Service



IECEx Certificate of Conformity

Certificate No: IECEx TPS 18.0017X

Issue No: 0

Date of Issue: 2018-12-12

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Manufacturer: **Scangrip A/S**
Rytherhaven 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 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 Explosive atmospheres - Part 0: General requirements

Edition:6.0

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

Edition:6.0

This Certificate does not indicate compliance with 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:

DE/TPS/ExTR18.0012/00

Quality Assessment Report:

DE/TPS/QAR17.0004/00

DE/TPS/QAR17.0004/01



IECEx Certificate of Conformity

Certificate No: IECEx TPS 18.0017X

Issue No: 0

Date of Issue: 2018-12-12

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Rechargeable EX PROOF headlamp is designed as intrinsic safety type 'ic' and protected by an enclosure with IP65 degree. The head lamp contains front and back covers, bracket, LED module, control circuit module, battery pack, IR sensor module.

The covers and bracket are made with injection moulding process with anti-static ABS/ABS+PC resin. The transparent part of front cover and the front decorative part are made with injection moulding process with PC. All external fasteners are made of the material of 304 stainless steel. The heat sink for LED inside of the enclosure is made by ADC12 Aluminium alloy with die cast process. LED control is I.S. circuit. The battery pack contains a rechargeable Li-Ion Battery, with two options of the battery manufacturers. The light has a switch for IR sensor at left, and a switch at right to control on/off of light with three levels – spot light, flood light and off. There is a charging port at lower centre of light with the cover of 6063 Aluminium alloy. Charging status is indicated by indicator LED, showing red during charging and green when the battery is fully charged. Charging should be in a safe area.

Technical data:

Enclosure material	:	Plastic
Ambient temperature	:	-10 °C ≤ Tamb ≤ 45 °C* or -20 °C ≤ Tamb ≤ 45 °C**
Protection degree	:	IP65 (tested according to IEC/EN 60529)
Rated voltage/current	:	5V/1.5A d.c. max. (Charging)
Rated power	:	1.6W
Battery	:	WT 902554-1S, 3.8V, 1600mAh, 6.08Wh or ZJ902554, 3.8V, 1600mAh, 6.08Wh

*for head lamp with battery WT 902554-1S

**for head lamp with battery ZJ902554

Warning label:

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

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Charging (in a non-classified area): 0°C ≤ Tamb ≤ 45 °C
2. Only use the battery charger from Scangrip to charge the LED head lamp.

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/QAR17.0004/06** Page 1 of 1
QAR Free Ref. No.: **64.197.17.00595.07** Status: **Issued**
Details of change: **Re-certification audit** Date of issue: **2023-02-22**
Site(s) audited: **Scangrip A/S** Valid until: **2026-02-22**
Rytherhaven 9 Audit date: **2023-02-22**
5700 Svendborg
Denmark

Issuing ExCB: **TPS - TÜV SÜD Product Service GmbH**

Manufacturer: **Scangrip A/S**
Rytherhaven 9 5700 Svendburg

Location of
Manufacturer: **Denmark**

Product information: **Ex-LED light**

Protection concept: **Ex "d", "e", "I", "m", "t"**

Related QARs:

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
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 17.0002X issue: 1
IECEX TPS 17.0003X issue: 2

IECEX TPS 17.0001X issue: 1
IECEX TPS 17.0003X issue: 0
IECEX TPS 18.0017X issue: 0

IECEX TPS 17.0002X issue: 0
IECEX TPS 17.0003X issue: 1
IECEX TPS 18.0018X issue: 0

Comments: **Re-certification audit**

ATEX quality assurance notification covering the
entire EX PROOF range



NOTIFICATION

PRODUCTION QUALITY ASSURANCE NOTIFICATION

- [1] **PRODUCTION 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 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.

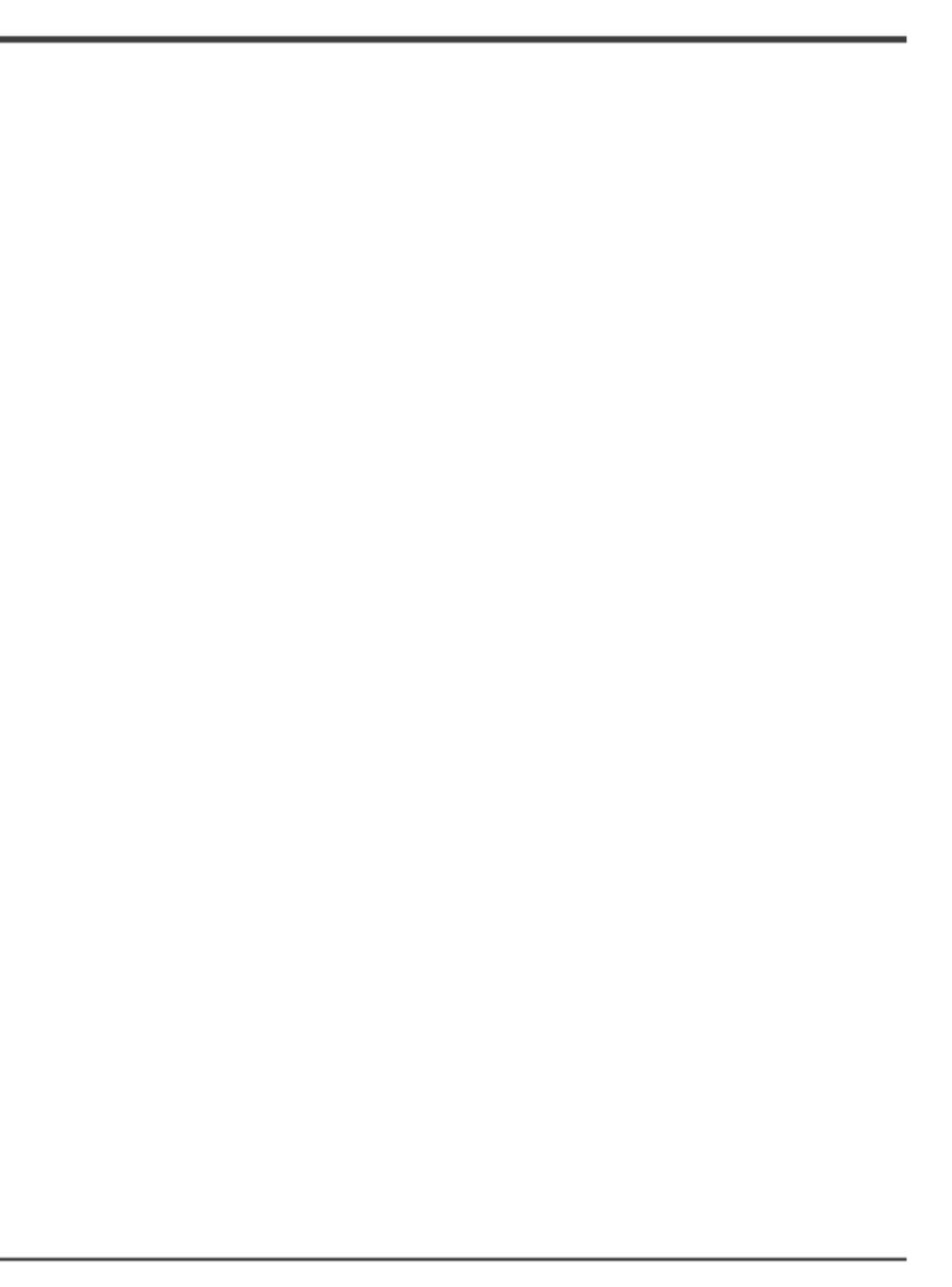


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Doc. Name: Tuv-E#896-TPS-QM-N-Fov. 01

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CE Declaration of conformity





EU Declaration of Conformity

Year in which CE Mark was first affixed: 2018

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: EX-VIEW EQUIPMENT: Rechargeable EX PROOF headlamp with sensor function MARKING: II 3G Ex ic IIC T5 Gc II 3D Ex ic IIC T100°C Dc Charger: Input 100-240V AC 50/60Hz, Output 5V 1A DC Class II Battery: 3,8V 1600mAh Lithium, Specifications: Main light 200Lm, Spotlight 100Lm, IP65, Operating temp range -20° +45° C
Product Code:	03.5606

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
EN 60079-28:2015

Low voltage (LVD) Directive 2014/35/EU

EN 60598-1:2011

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 SÜD Product Testing GmbH, NB 0123, certificate No. TPS 18 ATEX 054006 0014 X xxx

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

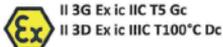
The quality management system ISO 9001:2015 is certified:
Bureau Veritas, Certificate Nr. DK014205

This declaration of conformity is issued under our sole responsibility.

Date: 30.01.2023


Jasar Elezaj
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
3	Category of the equipment subjected of certification, category 3
G	Presence of potentially explosive atmospheres of gas, vapours, mist
D	Presence of potentially explosive atmospheres of dusts and flyings
Ex ic	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 ic	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
T5	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
T100°C	The limit for maximum surface temperature where a equipment is installed in explosion atmospheres dust
Gc	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
Dc	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.xxxxx	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



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DESIGNED BY
SCANGRIP
IN DENMARK



V 4/03.2023/CXQ

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