SCANGRIP®
INNOVATION FROM DENMARK

MIDI-EX

03.5611/03.5611AU/03.5611UK / Certificates

MIDI-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 ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT
TÜV SÜD

Product Service

(1) **Type Examination Certificate**

(2) Equipment or Protective Systems Intended for Use in Potentially Explosive Atmospheres – **Directive 2014/34/EU**

(3) Type Examination Certificate Number:

TPS 18 ATEX 054006 0015 X Rev. 00

(4) Equipment or Protective System:

Rechargeable handheld EX PROOF work light - Type: MIDI-EX 03.5611

(5) Manufacturer: Scangrip A/S
(6) Address: Rytterhaven 9 5700 Svendborg, Denmark

(7) This equipment or protective system and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) TÜV SÜD Product Service GmbH 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 the confidential reports with no. 64.105.18.01824.01

(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

(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 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 3G Ex ic IIC T5 Gc
II 3D Ex ic IIIC T100°C Dc

Certification Office Of Explosion Protection München, 16.11.2018

Ing. Kristof De Gersem, MSc.

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: EX-8A 054006 0015 Rev. 00

Doc. Name: Temp-ExMSG-TPS-Type-Cert-Iso-01-2018

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

A4 / 07.17

TÜV®

(13) **Schedule**

(14) **Type Examination Certificate no.**

TPS 18 ATEX 054006 0015 X Rev. 00

Product Service

Certificate History

Revision:	Description:	Report no.:	Issue Date:
Rev. 00	First issue.	64.105.18.01824.01	16.11.2018

(15) Description of equipment:

The rechargeable handheld EX PROOF work light is designed as type 'ic' and protected by an enclosure with IP65 degree.

The work light contains covers, folding bracket, LED module, control circuit module, battery pack, clip module. It has functions of top spot lighting and front flood light.

The covers and bracket are made with injection moulding process with anti-static ABS/ABS+PC resin. The covers and bracket is yellow colour, clip and decorative part is yellow colour. The top and front transparent part are made with double injection moulding process with PC. All external fasteners are with material of 304 stainless steel. The heat sink for LED is made by ADC12 Aluminium alloy with die cast process. LED control circuit is I.S. circuit. The light has clip at top to realize convenient usage on working site. A magnet is assembled at bottom of folding bracket to realize convenient usage on working site. The battery pack contains a rechargeable Li-ion Battery, with two options of the battery manufacturers. The light has a switch at backside to control light on/off with four levels – top spot light, flood light low power, flood light high power and off. There is a charging port at lower part of backside, which can be opened only by tool, and the cover for charging port is with 6063 Aluminium alloy. The light is designed with charging status indication function – indicator LED shows red during charging and turns to be 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 work light with battery WT 902554-1S
**for work light with battery ZJ902554

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: EXBA 054006 0015 Rev. 00

Doc. Name: Temp-EXBG-TPS-Type-Cert-Iss.01-2018

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

TÜV SÜD

A4 / 07.17

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 RÓGBÉIR ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

(13) **Schedule**

(14) **Type Examination Certificate no.**

TPS 18 ATEX 054006 0015 X Rev. 00

Product Service

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): 64.105.18.01824.01

Routine tests: None

(17) Document List:

File no.:	Description:	Pages:	Rev:	Date:
/	Manufacturer's Declaration Of Conformity (Draft)	/	/	/
20212460	product drawing	3	1.0	2018-10-24
30130430	Rating label	1	1.0	2018-10-24
20212460	BOM	1	1.0	2018-10-24
10806790A-1	-EX ALS Handlight Control board BOM	1	1.0	2018-07-20
10806790A-3	-EX ALS Handlight control board multiple layers layout	1	1.0	2018-07-20
10806790A-4	- EX ALS Handlight schematic drawing of control board and reaction board	1	1.0	2018-07-20
11273160A	INSTRUCTION	8	1.0	2018-10-24

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

(18) 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 straight folding LED work light.

(19) Essential health and safety requirements:

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

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: EX8A 054006 0015 Rev. 00

Doc. Name: Temp-ExIBG-TPS-Type-Cert-Iss.01-2018

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

TÜV®

A4 / 07.17

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

TÜV SÜD

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 18.0018X

Issue No: 0

Certificate history:
Issue No. 0 (2018-12-12)

Status: **Current**

Date of Issue: **2018-12-12**

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

Equipment: **Rechargeable handheld EX PROOF work light - Type: MIDI-EX 03.5611**
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 Gersem 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
Ridlerstr. 65
D-80339 Munich
Germany

Product Service

IECEx Certificate of Conformity

Certificate No:	IECEx TPS 18.0018X	Issue No: 0
Date of Issue:	**2018-12-12**	Page 2 of 3
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 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"

*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/ExTR18.0013/00

Quality Assessment Report:

DE/TPS/QAR17.0004/00 DE/TPS/QAR17.0004/01

IECEx Certificate of Conformity

Certificate No: IECEx TPS 18.0018X Issue No: 0

Date of Issue: 2018-12-12 Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The rechargeable handheld EX PROOF work light is designed as type 'ic' and protected by an enclosure with IP65 degree.

The work light contains covers, folding bracket, LED module, control circuit module, battery pack, clip module. It has functions of top spot lighting and front flood light.

The covers and bracket are made with injection moulding process with anti-static ABS/ABS+PC resin. The covers and bracket is yellow colour, clip and decorative part is yellow colour. The top and front transparent part are made with double injection moulding process with PC. All external fasteners are with material of 304 stainless steel. The heat sink for LED is made by ADC12 Aluminium alloy with die cast process. LED control circuit is I.S. circuit. The light has clip at top to realize convenient usage on working site. A magnet is assembled at bottom of folding bracket to realize convenient usage on working site. The battery pack contains a rechargeable Li-ion Battery, with two options of the battery manufacturers. The light has a switch at backside to control light on/off with four levels – top spot light, flood light low power, flood light high power and off. There is a charging port at lower part of backside, which can be opened only by tool, and the cover for charging port is with 6063 Aluminium alloy. The light is designed with charging status indication function – indicator LED shows red during charging and turns to be 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 work light with battery WT 902554-1S

**for work light 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 work light.

IECEx quality assessment report covering entire EX PROOF range



IECEx Quality Assessment Report Summary

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

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

QAR Reference No.	DE/TPS/QAR17.0004/01	**Status**	Current
QAR Free Ref. No.	64.197.17.00595.02	**Date of issue**	2018-05-23
Detail of change	Surveillance audit and change protection concepts	**Valid until**	2020-02-07
Site(s) audited	Scangrip A/S, Rytterhaven 9 5700 Svendborg, Denmark	**Audit date**	2018-05-16
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

Related Certificates (manual insertion) N/A

Related Certificates (automatic linking)

IECEx TPS 18.0017X issue: 0 IECEx TPS 18.0018X issue: 0

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 18.0017X issue: 0
IECEx TPS 18.0018X issue: 0

Comments

N/A

CE Declaration of conformity

CE

SCANGRIP®
INNOVATION FROM DENMARK

Scangrip Lighting

CE CE

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 responsibility for the product:

Product Range:	**BRAND: SCANGRIP** **NAME: MIDI-EX** **EQUIPMENT:** Rechargeable handheld EX PROOF work light **MARKING:** **II 3G Ex ic IIC T5 Gc** **II 3D Ex ic IIIC T100°C Dc** Charger: Input 100-240V AC 50/60Hz, Output 5V 1A DC Class II Battery: 3,8V 1600mAh Lithium, Specifications: Main light 100/200Lm, Spot light 100Lm, IP65, Operating temp range -20° +45° C
Product Code:	**03.5611**

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
EN 60598-2-4:2018
EN 62471:2008

Electromagnetic compatibility Directive (EMC), 2014/30/EU

EN 55015:2013
EN 61000-3-2:2014
EN 61000-3-3:2013
EN 61547:2009

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 003313 xxx 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 9001:2015 is certified: Bureau Veritas, Certificate Nr. DK009406

This declaration of conformity is issued under our sole responsibility.

Date: 08.11.2018

Anders Borring
Managing Director and Owner

SCANGRIP.COM

DESIGNED BY
SCANGRIP
IN DENMARK

V1/14.01.2019/kks

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