

## MIDI-EX

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03.5611/03.5611AU/03.5611UK / Certificates

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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.



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## ATEX certificate





# 11) 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. 01**

- (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) TOV SOD 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 and 64105180182402.

- (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 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:

**GA II3GExidICT5Gc  
I 3D Ex ic III C T100 °C De**

Certification Body

MUnchen, 18.01.2023

Ing. Frank Zhu. MSc.



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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 alteration are subject to approval by TOV SOD Product Service GmbH. In case of dispute, the German text shall prevail. The document is 0001 installed under the following number: EXBA 054006 0015 Rev. 01.

Doc. Name: TUV SOD-TPS-17-001-Rev. 02

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## Schedule



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(13)

(14)

### Type Examination Certificate no.

TPS 18 ATEX 054006 0015 X Rev. 01

#### Certificate History

Revision:	Description:	Report no.:	Issue Date:
Rev. 00	First issue.	64.105.18.01824.01	16.11.2018
Rev.01	Updated the latest reversion of Standards in certificate, DOC and User manual.	64105180182402	18.01.2023

#### (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 LS. 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.

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 sv, 1600mAh, 6.08Wh or ZJ902554, 3.8V, 1600mAh, 6.08Wh

\*for head lamp with battery WT 902554-1S

\*\*for head lamp with battery ZJ902554

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Certificates with root signatures shall not be altered. The Certificate may only be created in the original schedule. Extracts or alterations are subject to approval by TUV SUD Product Service GmbH. In case of dispute, the German text shall prevail. The document is administrated under the following number: EX8A 054006 0015 Re. 01.

Exk. Nr. 1015-175-100-001-01

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## Schedule

### Type Examination Certificate no.

TPS 18 ATEX 054006 0015 X Rev. 01

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#### 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) Testreport(s): 64.105.18.01824.01 and 64105180182402

#### Routine tests: None

#### Document List:

File no.:	Description:	Pages:	Rev:	Date:
/	Manufacturer's Declaration Of Conformity (Draft)	/	/	2023-01-16
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 SOM	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
11273164A	User INSTRUCTION	8	1.0	2023-01-16

A copy of the full documentation is kept confidentially at TUV SOD.

(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 straight folding LED work light.

(18) Essential health and safety requirements:

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

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Doc. Name: Temp-Ex-ATEX-TPS-17-01-001Rev.02

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## IECEx certificate





# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

to fulfill and do it all for the IECEx will-iec-ex.com

Certificate No: ECE11 TPS 18.0015X

Issue No: 0

Certificate Category:

Issue No: 0 (2018-12-12)

Serial: 00000000000000000000

Page 1 of 3

01 Issue: 2018-12-12

Applicant: - N S  
Rørdal 9 5700 Svendborg  
Denmark

Equipment: Rechargeable handheld EX PROOF W01 1"1" Type: MICM-EX03.5511

Option/Accessories:

Type of Protection: Intrinsically

Marking:

Ex ic IIC T5 Gc

Ex II CT100-C0

Approved for sale of the IECEx  
Certificate Body:

Ing. Kristof De Gersen MSc

Position:

Technical Certifier

Signature:  
(for print and K111)

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:

TOV SÜD Product Service GmbH  
Rüdigerstr. 65  
D-80339 Munich  
Germany



Product Service



P19'2 of 3

**Additional Manufacturing 1Dcation(T):**

This certificate issued as verification that a self-declared representative sample of production, was assessed and tested and found to comply with the IEC 60335-1 standard below and that the manufacturer's quality system, relating to this ENEC product covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions H set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

### STANDARDS:

The apparatus and any acceptable variation to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards;

This CaB/Cable etc. not indicate compliance with electrical safety and performance requirements other than those explicitly included in the Standard Specification

### TEST & ASSESSMENT REPORTS:

A sample(s) of/the fillip(s) listed has successfully met / the required test requirements as recorded in

## Test Report

OE/TPSJE,MR18.0013/00

## Quality Assessment Report

DE/TPS/QAR17.0004100

DE/TPS/JOAR17.0004/01





# IECEx Certificate of Conformity

Certificate No: ECE11 TPS 18.0018X

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:

TM rechargeable handheld EX PROOF work light is designed H type 'w' and protected by an enclosure with IP65 degree.

TM work light consists of OHSB, folding bracket, LEO module, 00001 circuit module, battery pack, d.p module. It has functions of spot lighting and 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 NOCATIVE 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 LEO is made by AOC12 Aluminium alloy with die cast process. LED control circuit is LS. enc21. The light has clip at top to realize convenient usage on working site. A magnet is assembled at bottom of riding 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 Li-Ion, is-top spot light, flood light low power, flood light high power and off. There is a charging port at bottom of backside, which can be connected by tool, and the cover for charging port is with 6063 Aluminium alloy. The light is designed with charging status indication function - Indicator LED at bottom. red during charging and blue to be green when the battery is fully charged.

Charging should be in a safe area.

### Technical data:

Enclosure material	: Plastic
Ambient temperature	: $-10^{\circ}\text{C} \leq T_{\text{amb}} \leq 45^{\circ}\text{C}$ or $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq 45^{\circ}\text{C}$
Protection degree	: IP65 (tested according to EC/EN 60529)
Rated voltage/current	: 5V/1.5A d.c. Max. (Charging)
Rated power	: 1.8W
Battery	: WT902554-1S. 3.8V, 1800mAh, 6.08Wh ZJ902554. 3.8V, 1800mAh, 6.08Wh

For work light with battery WT902554-1S

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. Charge (in a non-hazardous area):  $-10^{\circ}\text{C} \leq T_{\text{amb}} \leq 45^{\circ}\text{C}$
2. Only use the battery charger from Seang to charge the LED work light.

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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 Svendborg	
Location of Manufacturer:	<b>Denmark</b>	
Product information:	Ex-LED light	
Protection concept:	<b>Ex "d", "e", "i", "m", "t"</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





ProductService



# NOTIFICATION

## PRODUCTION QUALITY ASSURANCE NOTIFICATION

Equipment or Protective System or Component intended for use in potentially explosive atmospheres  
Directive 2014/34/EU

Notification number:

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

Equipment or Component as listed see schedule

Protection concepts see schedule

Manufacturer Scangrip A/S  
Rytterhaven 9 5700 Svendborg, Denmark

**(SCANGRIP)**

Site(s) audited Scangrip NS  
Rytterhaven 9 5700 Svendborg, Denmark

TOV SOD Product Services 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.

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.

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

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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Ex. Code: TSP-00000795-2004/Rev. 01

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[11]

## SCHEDULE

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## 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 Protection System Component	Protection Concepts
TOVIT 16ATEX081 X Rev.1	Electrical equipment Group II Category 2G, 2D Rechargeable work light	Ex"db", "eb", "mb" and "lb"
TOVIT 16ATEX 082 X Rev.1	Electrical equipment Group II Category 2G, 2D AC work light	Ex"db", "eb", "mb" and "lb"
TOV IT 16ATEX 083X Rev.3	Electrical equipment Group II Category 1G, 10 Or 2G, 2D Handheld rechargeable work light	Ex"ib" or Ex"kb"
TPS 18ATEX 054006 0014X Rev.01	Electrical equipment Group II Category 3G, 3D Rechargeable EX PROOF headlamp with sensor function	Ex"ic"
TPS 18ATEX 0540060015X Rev.01	Electrical equipment Group II Category 3G, 3D Hand held EX PROOF work light	Ex"ic"

Included in the assessment is 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

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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 disputes, the contract shall prevail. The documents administered under the following number: EX 24 054006 0012 Rev. 02

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TUV



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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:

<b>Product Range:</b>	<b>BRAND: SCANGRIP</b> <b>NAME: MIDI-EX</b>  <b>EQUIPMENT:</b> Rechargeable handheld EX PROOF work light  <b>MARKING:</b> 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
<b>Product Code:</b>	<b>03.5611</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  
EN 60079-28:2015

#### 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 SÜD Product Testing GmbH, NB 0123, certificate No. TPS 18 ATEX 054006 0015 X xxx

The manufacture is according to a certified 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:**



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

**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 withstand 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.N0.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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IN DENMARK



V5/12.05.2025/CXQ