

## EC Type-Examination (Module B)

Directive for Marine Equipment

Certificate No.: **DK-0200-MarED-220 version 2**

Issued by FORCE Certification A/S - EC-notified body number 0200

This is to certify that:

FORCE Certification A/S did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the Life Saving Appliance requirements of Marine Equipment Directive (MED) 96/98/EC, as amended, last amended by Directive 2014/93/EU (10th Amendment) subject to any conditions in the schedule attached hereto.

Applicant and Manufacturer: **Ideas Connected Limited**  
**Rm 902, 9/F., Hing Wai Centre**  
**No. 7 Tin Wan Praya Road**  
**Tin Wan, Hong Kong**  
**People's Republic of China**

Identification of Marine Equipment:

Annex 1.A Item: **ANNEX A.1, item A.1/1.2c**

Item Designations: **Position-Indicating Lights for Live Saving Appliances**  
- for lifejackets

Product Designations: **CS-LUL-WS2**  
Specified Standard: **LSA code MSC.48(66) adopted on 4 June 1996 and MSC.81(70)**  
(Tested in accordance with): **adopted on 11<sup>th</sup> December 1998**

Amendments to LSA code:

MSC.207(81) adopted on 18 May 2006  
MSC.218(82) adopted on 8 December 2006

Amendments to testing methods:

MSC.200(80) adopted on 13 May 2005  
MSC.226(82) adopted on 8 December 2006  
MSC.323(89) adopted on 20 May 2011

The examined samples are found to fulfil the requirements stated in:

The International Testing Standard IMO Res. MSC.81(70) and the applicable reg. SOLAS 74 as amended, where the relevant requirements are specified in ANNEX A.1, item A.1/1.2c of The Directive.

Documentation for observance of relevant requirements stated in ANNEX B (Module B) of the Directive and the basis for the type examination are described in the appendix to this certificate.

*This certificate will remain valid unless cancelled or revoked, provided the conditions in the attached appendix are complied with and the equipment remains satisfactory in service.*

*The certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.*

*Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be reapproved prior to it/they being placed on board vessels to which the amended regulations or standards apply.*

*This certificate replaces former EC-type examination certificate DK-0200-MarED-220 version 1 dated 2015-06-09. Correction of designation and address., addition of test report.*

FORCE Certification A/S task No.: 115-30226 / FC No. DK-0200-00132

Date of issue: 2016-01-13

Date of expiry: 2020-06-09



Niels Ovesen  
Certification manager



Philippa W. Osted  
Examiner

The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity may only be issued when the production/product assessment module (D, E or F), ANNEX B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

Extracts from this EC Type-Examination Certificate may only be reproduced with a written permission from FORCE Certification A/S

## Appendix to EC Type-Examination Certificate

Directive for Marine Equipment

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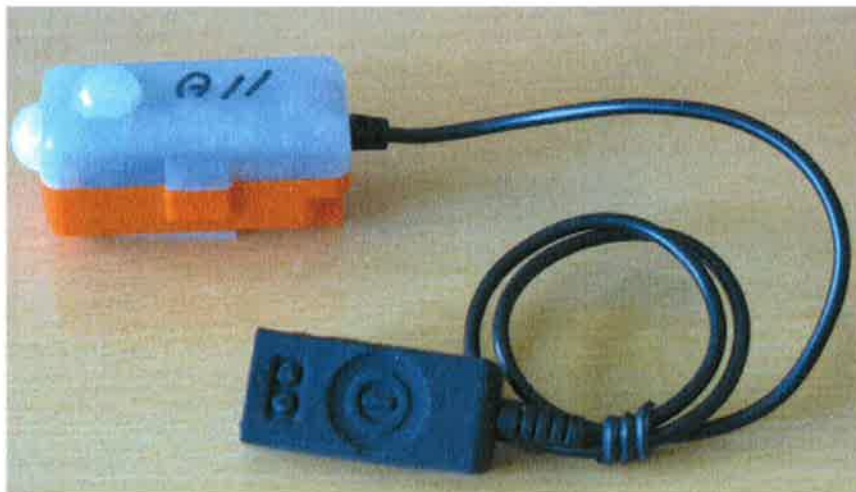
Applicant and  
Manufacturer: **Ideas Connected Limited**  
**Rm 902, 9/F., Hing Wai Centre**  
**No. 7 Tin Wan Praya Road**  
**Tin Wan, Hong Kong**  
**People's Republic of China**

Identification of Marine Equipment:  
Annex 1.A Item: **ANNEX A.1, item A.1/1.2c**

Item Designations: **Position-Indicating Lights for Live Saving Appliances**  
- for lifejackets

Product Designations: **CS-LUL-WS2**

Design:



CS-LUL-WS2

# Appendix to EC Type-Examination Certificate

Directive for Marine Equipment



Certificate No.: DK-0200-PPE-220 version 2

Issued by FORCE Certification A/S - EC-notified body number 0200

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## History:

Issue/change:	Document:	Date:
- Original certificate	DK-0200-MarED-220 version 1	2015-06-09
- Correction of address, designation of light and addition of test report	DK-0200-MarED-220 version 2	2016-01-13

# Appendix to EC Type-Examination Certificate

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## Documentation for observance of the relevant requirements:

Test House	File No.	Testing/Inspection of:
FORCE Technology	115-30226.a rev. 2	Fire test and vibration
FORCE Technology	115-22747.a	Light Tests ( model CW-LUL-WS2)*
FORCE Technology	110-23359	Type Testing of LED light (model CS-LJL-WS)*
Delta - Danish Electronics, Lights and Acoustics	DELTA-11 02765-4621 – horizontal & DELTA-11 02765- 4621 -vertical	Chromaticity Test, 4500 K
	DELTA-L102765-4552- Horizontal	Drop Test , Light tests (CW-LUL-WS2 with LED CCT 6500 K)
	DELTA test report DELTA- L102765-4552-Vertical	Drop Test, Chromaticity Test, Light tests (CW-LUL-WS2 with LED CCT 6500 K)
	L102765-4579 Colour Gamut vertical	Light tests (CW-LUL-WS2 with LED CCT 5000 K)
FORCE Technology	110-34774	Type testing of LED light (supplementary testing of model CS-RL1-WS1)*
Delta - Danish Electronics, Lights and Acoustics	DELTA-L102372-3522	Light Tests (supplementary testing of model CS-RL1-WS1)*

\*) model CS-LUL-WS2 is type-identical to CW-LUL-WS2, only difference is the designation.

\*\*) LED Light model CS-LUL-WS2 is type-identical to model CS-LJL-WS and CS-RL1-WS1 with regards to electronic components and circuit.

**Partial conclusion:** The light designated "CS-LUL-WS2" is found to fulfil the requirements in The International Testing Standard IMO Res. MSC.81(70) and the applicable reg. SOLAS 74 as amended, where the relevant requirements are specified in ANNEX A.1, item A.1/1.2c of the Directive, as well as the requirements in ANNEX B (Module B) of the Directive.

The following documentation was available:

Technical specification:

"CS-LUL-WS2 Lifejacket Light – Electronic Technical Documentation,V1, May 1, 2015"  
- Y1-LED10 bill of materials  
- List of materials  
- Drawings of the different components/parts  
- Specification of battery  
- Electronic Technical Documentation, July 16, 2014

Description of quality management system:  
User manual and marking:

FC Certificate "DK-0200-MarED-QA-190"  
See example for CS-LJL-WS1, "Technical File Index, Revision 1, April 21, 2010D", DK-0200-PPE-139

List of materials/manufacturers used for manufacturing the device:

See "List of Materials for DK-0200-MarED-220" valid on the date of production.

## Conclusion

Based on the above mentioned attestation it can be concluded that the light designated, CS-LUL-WS2, meets the conditions of EC type-examination in accordance with the requirements of Marine Equipment Directive (MED) 96/98/EC, as amended, last amended by Directive 2014/93/EU (10th Amendment)

FORCE Certification A/S task No.: 116-30226

Date: 2016-01-13

A blue ink signature of Philippa W. Osted, written in a cursive style.

Philippa W. Osted  
Examiner