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 ITS 15.0069X

Issue No: 2

Certificate history:
Issue No. 2 (2017-05-18)
Issue No. 1 (2016-10-31)
Issue No. 0 (2016-01-21)

Status: **Current**

Date of Issue: **2017-05-18**

Applicant: **Tideland Signal Corp**
4310 Directors Row,
Houston,
TX 77092
United States of America

Equipment: **MLED 300 MaxiHALO II**
Optional accessory:

Type of Protection: **Ex nA**

Marking:
Ex nA IIC T5 Gc

-40°C ≤ Ta ≤ +60°C

Approved for issue on behalf of the IECEx Certification Body: P Moss

Position: Certification Officer

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:

Intertek Testing & Certification Limited
ITS House, Cleeve Road,
Leatherhead,
Surrey, KT22 7SB
United Kingdom

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Manufacturer:	**Tideland Signal Corp** 4310 Directors Row, Houston, TX 77092 **United States of America**	

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 60079-15 : 2010 Edition:4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"

*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/ITS/ExTR15.0060/00 GB/ITS/ExTR15.0060/01 GB/ITS/ExTR15.0060/02

Quality Assessment Report:

GB/ITS/QAR12.0012/01

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The MLED 300 MaxiHALO II is a marine lantern constructed from two main parts, the base and the lens. Both parts of the enclosure are primarily non-metallic, though the enclosure does have several isolated metal parts. Refer to the special conditions for safe use for further information.

The base has a diameter of 0.4m where it joins to the lens and 0.23m on its mounting face and is hinged in two parts to permit access to the internal terminal block. Three M25 entries are drilled into the base around the metallic hinge, these entries are to be sealed utilising suitably certified cable glands, blanking elements and thread adapters.

On top of the base mounts a large ribbed cylindrical lens with an approximate height of 0.6m and diameter of 0.4m This lens is affixed to the opaque base utilising a metallic sealing ring. The equipment's LED light source is mounted centrally within this lens.

The equipment is intended to be fed from an external power source, refer to the manufacturer's instruction manual for further details.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Special Conditions for Safe Use (for end user)

•Plastic materials on the equipment present a potential electro-static charging hazard. The enclosure shall only be cleaned with a damp cloth as per the manufacturer's instruction manual.

•The metallic sealing ring and metallic hinge have been considered as isolated metal parts with capacitance 3.33nF. Refer to the manufacturer's instruction manual for details on the prevention of electrostatic charging.

Routine Tests (for manufacturer)

•Ex e component certified terminals, blanking plugs and cable glands that are used must be installed in accordance with manufacturer’s instructions and component certification.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue1 - A non-technical drawing change (ref sheet 2 and 6 of 0101237-CTL).

Issue 2 - Revision of torque value for fastners.

Annex:

Annex to IECEx ITS 15.0069X issue 2.pdf

Schedule of Drawings for Certificate: IECEx ITS 15.0069X Issue 2

Drawings:

Title	Drawing No.:	Rev. Level:	Date:
CONTROL DWG MLED-300Ex MaxiHALO-60 II Sheets 1 to 9	010.1237-CTL	D	02MAR17

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