[1] # TYPE EXAMINATION CERTIFICATE

[2] **Equipment or Protective System intended for use in Potentially Explosive Atmospheres Directive 94/9/EC**

[3] Type Examination Certificate Number: **DEMKO 15 ATEX 1321X Rev. 0**

[4] Equipment: **Navigation Light, Model Nova-65EX**

[5] Manufacturer: **Tideland Signal Corporation**

[6] Address: **4310 Directors Row, Houston, TX 77092 USA**

[7] This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8] UL International Demko A/S certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of **Category 3** equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to the European Union Directive 94/9/EC of 23 March 1994.

The examination and test results are recorded in confidential report no. **4786875899**

[9] Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to Standards:

EN 60079-0:2012+A11:2013 EN 60079-15:2010

[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 of the specified equipment, and not to specific items of equipment subsequently manufactured.

[12] The marking of the equipment or protective system shall include the following:

II 3 G Ex nA IIC T6 Gc

Certification Manager
Jan-Erik Storgaard

This is to certify that the sample(s) of the Equipment described herein ("Certified Equipment") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Equipment Certification Program Requirements. This certificate and test results obtained apply only to the equipment sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured equipment. UL has not established Follow-Up Service or other surveillance of the equipment. The Manufacturer is solely and fully responsible for conformity of all equipment to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2015-09-01

Certification Body UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
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[13] [14]

Schedule
TYPE EXAMINATION CERTIFICATE No.
DEMKO 15 ATEX 1321X Rev. 0
Report: 4786675899

[15] Description of Equipment:

The Nova-65EX is a navigation light (beacon), employing light emitting diodes (LED) light source. The unit consists of a ”Flex Circuit” system of 10 LED’s on a flexible PWB material. The Flex circuit is mounted directly onto the LED Mounting Ring. The Ring and LED assembly is placed within a solid polymeric lens unit, with upper and lower O-Rings which create a weather-tight seal against the main Beacon Body and the upper Ring Cap. The assembled beacon device has a conduit opening for external power supply connections and mounted in a stationary manner.

The optical radiation output of the apparatus with respect to explosion protection, according to Annex II clause 1.3.1 of the Directive 94/9/EC is covered in this certificate.

Temperature range
The ambient temperature range is -40°C to +60°C, Temperature class of T6

Electrical data: 9.5 to 32 VDC, 0.2 A, 2 Watts Max.

Installation instructions –
Mounting instructions - For specific details, refer to attached document 0111254-00, Rev,G, “Maintenance and Operation Manual.”

[16] Descriptive Documents

The scheduled drawings are listed in the report no. provided under item no. [8] on page 1 of this Type Examination Certificate.

[17] Special conditions for safe use:

- Cable for Ex version must have a temperature rating greater than 70°C.
- Earth connection is made by connecting ground wire to grounding lug shown in Figure 11 (of Instructions).
- Warning – Potential electrostatic charging hazard. Clean lens with damp cloth only.

[18] Essential Health and Safety Requirements

Met by compliance with the standards EN 60079-0:2012, EN 60079-15:2010.
These devices have been assessed to provide an ATEX certified enclosure with a minimum ingress protection rating of IP66, providing an internal Pollution Degree 2 environment, as per IEC 60664-1. The enclosure requires tool-only removal and access to the interior for installation and servicing.

Additional information

The subject devices have in addition passed the tests for Ingress Protection to IP66 in accordance with EN60529: 1991/A1 2000.