

CERTIFICATE

(1) EU-Type Examination

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **KEMA 08ATEX0158 X** Issue Number: **7**

(4) Product: **Luminaire, Type ILED...**

(5) Manufacturer: **Aanderaa Data Instruments AS**

(6) Address: **Sanddalsringen 5b, N-5225 Nesttun, Norway**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., Notified Body number 0344 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 confidential test report number NL/DEK/ExTR13.0006/02.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0 : 2012 EN 60079-7 : 2007 EN 60079-18 : 2009 EN 60079-31 : 2009

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-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 2 G Ex e mb IIC T4 Gb
II 2 D Ex tb IIIC T100 °C Db

Date of certification: 11 February 2019

DEKRA Certification B.V.

L.G. van Schie
Certification Manager



(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 08ATEX0158 X**

Issue No. 7

(15) **Description**

Luminaire type ILED... is provided with 8 LEDs for continuous or flashing use.

The terminal box and the LED compartment are in type of protection increased safety "e", the electronics is in type of protection encapsulation "mb".

Ambient temperature range -40 °C to 55 °C.

The enclosure provides a degree of protection IP66 in accordance with EN 60079-0 and EN 60529.

Electrical data

Type ILED Aquarius Perimeter, Type ILED Taurus Obstruction and Type ILED Aquarius Signal

Supply:	24 Vdc ± 10%,	max. 390 mA	max. 10 W or
	95 to 255 Vac, 50/60 Hz	max. 230 to 80 mA	max. 20 W or
	130 to 370 Vdc,	max. 130 to 50 mA	max. 20 W

Type ILED Aquarius Repeater and Type ILED Aquarius Signal Flash

Supply:	24 Vdc ± 10%,	max. 390 mA	max 10 W
Control input:	to be connected to IMT Control Unit type IM-RO-SYNC		
Duty cycle:	max. 50 %, min frequency 0,2 Hz		

Type ILED Aquarius Repeater SA

Supply:	24 Vdc ± 10%,	max. 390 mA	max 10 W
---------	---------------	-------------	----------

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/DEK/ExTR13.0006/02.

(17) **Specific conditions of use**

The luminaire must be protected by an external fuse or a circuit breaker. The breaking capacity must be in accordance with the prospective short circuit current of the supply.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR13.0006/02.

(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 08ATEX0158 X**

Issue No. **7**

(20) **Certificate history**

Issue 1 - 211692000	initial certificate
Issue 2 - 213085300	Alternative components, modified construction
Issue 3 - 213522900	Additional types , modified construction, change of voltage range
Issue 4 - 213893100	Address change
Issue 5 - 215638800	Additional types
Issue 6 - 215997500	Ommission of components
Issue 7 - 222498100	Cahnge of manufacturer, minor constructional change