



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX CNEX 23.0011X** Page 1 of 4 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2024-04-25
Applicant: **Lopolight ApS**
Bakkegaardsvej 513
Humblebaek 3050
Denmark
Equipment: **Navigation Lights PRO-EX series**
Optional accessory:
Type of Protection: **Ex mb eb**
Marking: Ex mb eb IIB T5 Gb

Approved for issue on behalf of the IECEx
Certification Body:

Hou Yandong

Position:

Certification Officer

Signature:
(for printed version)

Date:
(for printed version)

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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 www.iecex.com or use of this QR Code.



Certificate issued by:

CNEX-Global B.V.
Utrechtseweg 310-B42,
6812 AR ARNHEM
Netherlands





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Date of issue: 2024-04-25

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Manufacturer: **Lopolight ApS**
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Manufacturing
locations: **Lopolight ApS**
Bakkegaardsvej 513
Humblebaek 3050
Denmark

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 equipment 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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-18:2017](#) Explosive atmospheres - Part 18: Protection by encapsulation "m"
Edition:4.1

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with 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:

[NL/CNEX/ExTR23.0011/00](#)

Quality Assessment Report:

[GB/EXV/QAR22.0017/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Navigation lights models PRO-EX series are constructed in type of explosion protection encapsulation 'mb', with certified PCB connection terminals in type of protection increased safety 'eb'. The construction consists of a aluminum enclosure containing an encapsulated section for the electronics, a separate compartment for connection facilities, and a polycarbonate coloured lens in which the LED arrays are placed. Two cable entry openings are provided in the base of the lights for connection cables.

For the models covered by this certificate, and for other information, please see the Annex to this certificate.

SPECIFIC CONDITIONS OF USE: YES as shown below:

The ambient temperature range is limited to -25 °C to +55 °C.

The Lopolight navigation lights must be protected against prospective short circuits currents, by installing a 2A Fast fuse with a breaking capacity of minimum 1500A, in the supply circuits. Alternatively, the navigation lights must be supplied by the "Navigation Light Controller" which provides the same protection.

For further details, see the Annex to this certificate.



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Additional information:

The enclosure of the Lopolight LED Navigation and signal lights – Ex-series, successfully passed the tests for IP68 (1m/1h) in accordance with IEC 60529.

Annex:

[P23147I-CCA certificate IECEx CNEX23.0011X issue 0 Annex_1.pdf](#)



Annex to Certificate IECEx CNEX 23.0011X Issue 0

Equipment: **Navigation Lights PRO-EX series**
 Applicant: **Lopolight ApS**
 Address: **Bakkegårdsvej 513, 3050 Humlebæk, Danmark**

Lopolight Navigation Light PRO EX models covered by this certificate:

301-008ST-PRO-EX	300-136-PRO-EX	301-009ST-PRO-I-EX	301-113ST-PRO-I-EX
301-009ST-PRO-EX	301-113ST-PRO-EX	301-005ST-PRO-I-EX	301-113-PRO-I-EX
301-005ST-PRO-EX	301-113-PRO-EX	301-011KLST-PRO-I-EX	301-112ST-PRO-I-EX
301-011KLST-PRO-EX	301-112ST-PRO-EX	301-011KL-PRO-I-EX	301-112-PRO-I-EX
301-011KL-PRO-EX	301-112-PRO-EX	201-013ST-PRO-I-EX	301-112-PRO-I-EX 180°
201-013ST-PRO-EX	301-112-PRO-EX 180°	201-013-PRO-I-EX	301-114ST-PRO-I-EX
201-013-PRO-EX	301-114ST-PRO-EX	201-012ST-PRO-I-EX	301-114-PRO-I-EX
201-012ST-PRO-EX	301-114-PRO-EX	201-012-PRO-I-EX	301-114-PRO-I-EX 180
201-012-PRO-EX	301-114-PRO-EX	180 201-014ST-PRO-I-EX	301-115-PRO-I-EX
201-014ST-PRO-EX	301-115-PRO-EX	201-014-PRO-I-EX	301-115-PRO-I-EX 180°
201-014-PRO-EX	301-115-PRO-EX 180°	201-015ST-PRO-I-EX	201-023S-ST-PRO-I-EX
201-015ST-PRO-EX	201-023S-ST-PRO-EX	201-015-PRO-I-EX	201-023S-PRO-I-EX
201-015-PRO-EX	201-023S-PRO-EX	301-108ST-PRO-I-EX	200-064-PRO-I-EX
301-108ST-PRO-EX	200-064-PRO-EX	301-109ST-PRO-I-EX	301-119S-ST-PRO-I-EX
301-109ST-PRO-EX	301-119S-ST-PRO-EX	301-105ST-PRO-I-EX	301-140-RPM-PRO-I-EX
301-105ST-PRO-EX	301-140-RPM-PRO-EX	300-138-PRO-I-EX	
300-138-PRO-EX	301-008ST-PRO-I-EX	300-136-PRO-I-EX	

Installed certified parts:

Part	Manufacturer	Certificate	Ex code	Standards
PCB Connector Terminal blocks	Phoenix Contact GmbH & Co. KG	IECEx KEM 10.0093U issue 5	Ex eb IIC Gb	IEC 60079-0:2017 IEC 60069-7:2017

Electrical Data:

Supply voltage.....: 10 ... 32 VDC
 Nominal voltage....: 12 ... 24 VDC
 Maximum power... : 7.5 W
 Detailed in the Test Report Cover document. (ref. P23147I-CS).

Mounting Instructions:

See manufacturer's instructions.

Installation Instructions:

The user must apply certified cable glands and stopping plugs, rated minimum IP68 (1m/1h), suitable for the conditions of use and correctly installed.
 See manufacturer's instructions.

Certification Body: CNEX-Global B.V., Utrechtseweg 310-B42, 6812 AR, Arnhem, the Netherlands

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Annex to Certificate IECEx CNEX 23.0011X Issue 0

Routine tests:

Detailed in the Test Report Cover document. (ref. P23147I-CS).

Descriptive Documents:

Detailed in the Test Report Cover document. (ref. P23147I-CS).

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