



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 DNV 21.0055X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 1 [Issue 0 \(2022-08-11\)](#)
Date of Issue: 2023-03-22
Applicant: **R Stahl Tranberg AS**
Strandsvingen 6
4032 Stavanger
Norway
Equipment: **ILED Flood light**
Optional accessory:
Type of Protection: **Ex eb mb tb**
Marking: Ex eb mb IIC T3 Gb, $-40^{\circ}\text{C} \leq \text{Ta} \leq +55^{\circ}\text{C}$
Ex tb IIIC T135°C Db IP66, $-40^{\circ}\text{C} \leq \text{Ta} \leq +55^{\circ}\text{C}$

Approved for issue on behalf of the IECEx
Certification Body:

Bjørn Spongsveen

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

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



Certificate issued by:

DNV Product Assurance AS
Veritasveien 1
1363 Høvik
Norway





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Manufacturer: **R Stahl Tranberg AS**
Strandsvingen 6
4032 Stavanger
Norway

Manufacturing
locations:

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 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

[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 Reports:

[GB/SIR/ExTR12.0140/00](#)
[NO/DNV/ExTR21.0068/01](#)

[GB/SIR/ExTR12.0311/00](#)

[NO/DNV/ExTR21.0068/00](#)

Quality Assessment Report:

[NO/NEM/QAR10.0006/11](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The ILED® Floodlight consists of a cast aluminium enclosure with a high impact resistant, clear glass lens. High intensity LEDs provide the floodlighting. The LED arrays are supplied from a separately certified encapsulated driver circuit, mounted within the unit. LED arrays are protected by Ex mb protection type.

The rear provides the input supply connection facilities. The ILED® floodlights have an Ingress Protection rating of IP66 and are designed to be mounted horizontally with the top lens uppermost.

Electrical Ratings:

Ratings depend on the type of driver used in the assembly.

AC unit: 90 to 250 V, 0.490A, 40 W

DC unit: 24 V \pm 10%, 2.34A, 40 W

Maximum Output ratings (for both the AC and the DC units): 48 V, 1.5A, 35W

SPECIFIC CONDITIONS OF USE: YES as shown below:

The supply circuit must include a protective device having corresponding rated voltage and is capable to withstand a prospective short-circuit current of 200A.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Terminals moved from Ex m to Ex e part.

Potting thickness increased.