



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 ETL 22.0001X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2022-03-15

Applicant: **Dialight Corporation**
1501 Route 34 South
Farmingdale, NJ 07727
United States of America

Equipment: **LED Floodlight Luminaire**

Optional accessory:

Type of Protection: **Increased Safety 'ec' and Dust Protected 'tb'**

Marking: Ex ec IIC T4 Gc
Ex tb IIIC T110°C Db
IECEX ETL 22.0001X

Approved for issue on behalf of the IECEx
Certification Body:

Todd L. Relyea

Position:

Certification Officer

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:

Intertek
3933 US Route 11 South
Cortland NY 13045-2995
United States of America

intertek



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Certificate No.: **IECEX ETL 22.0001X**

Page 2 of 3

Date of issue: 2022-03-15

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Manufacturer: **Dialight Corporation**
1501 Route 34 South
Farmingdale, NJ 07727
United States of America

Additional
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 60079-31:2013](#) 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 Report:

[US/ETL/ExTR22.0001/00](#)

Quality Assessment Report:

[GB/SIR/QAR11.0014/12](#)



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Certificate No.: **IECEX ETL 22.0001X**

Page 3 of 3

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Die cast aluminum LED Floodlight Luminaire for use in Zone 2 Group IIC, Group IIIC Zone 21, 22

LED Floodlight Models F1B7**2*D[E,F]**N, F2B7**2*D[E,F]**N

SPECIFIC CONDITIONS OF USE: YES as shown below:

The instructions shall provide guidance for the user to minimize the risk from electrostatic discharge. Where practicable, the equipment shall also be marked with the electrostatic charge warning.

Specific Conditions of Use include:

- Control of environmental humidity to minimize the generation of static electricity.
- Protection from direct airflow causing a charge transfer.
- Touch with an insulating object.
- Means to continuously drain off electrostatic charges

Annex:

[SFT-IECEX-OP-19f - Annex for IECEx Certificate of Conformity_1.pdf](#)



Annex to IECEx Certificate of Conformity

Certificate No:	IECEX ETL 22.0001	Issue No. 0
Annex No. 1		

Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
FLM FLOOD LIGHT: ATEX ZONE 2, 21, 22	8854FLM000100	B	New Release
F1/F2 Floodlight for ATEX/IECEX Zone 2	9100FLM000903	B	New Release



Annex to IECEx Certificate of Conformity

Certificate No:	IECEX ETL 22.0001	Issue No. 0
Annex No. 1		

IECEX Certified Components on Which Conformance Depends					
Item	Description	Manufacturer	Type	Certificate No. / Standards*	Coding / Ratings
1	M25 Sealing plug	Hummel AG	Blanking elements (stopping plugs) and thread adapters (reducers) type V-Ex, V-MS-*, V-INOX-* (blanking elements), RSD-**-Ex (thread adapters)	DMT 03 ATEX E049 IECEX BVS 07.0021 TUV 11.0136	Ex e IIC Gb Ex ta III C Da
2	Terminal Block	Wago	862 Series	IECEX PTB 05.0003U PTB 03 ATEX 1189U	II 2 G Ex e IIC Gb bzw. I M2 Ex e I Mb II 2 D
3	Terminal Block	Weidmuller	MK Series	IECEX SIR 05.0037U SIRA 01 ATEX 3249 U	II 2 G D, Ex eb II C Gb

* "No applicable Technical Differences" or "Technical Differences evaluated and found satisfactory – for detail see ExTR"

Required Manufacturer Routine Testing		
Test	Title/Description of Test	Standard and Clause
1	Dielectric strength: Test voltage shall be $(1\ 000 + 2U)$ V r.m.s. or 1 500 V r.m.s., whichever is greater, where U is the working voltage.	IEC 60079-7:2015, Clause 6.1