



# 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](http://www.iecex.com)

Certificate No.: **IECEX QPS 19.0031X** Page 1 of 4 Certificate history:  
Status: **Current** Issue No: 3 Issue 2 (2021-10-27)  
Date of Issue: 2022-01-18 Issue 1 (2020-03-26)  
Applicant: **Killark - A Division of Hubbell Inc. (Delaware)** Issue 0 (2020-03-03)  
2112 Fenton Logistics Park Blvd.  
Fenton  
Missouri 63026  
**United States of America**  
Equipment: **KFLX and ARXC series LED Floodlight Luminaire**  
Optional accessory:  
Type of Protection: **"ec", "tb"**  
Marking: Ex ec IIC T5/T4/T3 Gc  
Ex tb IIIC T100°C/T135°C/T160°C Db,  
IP66  
STANDARD VERSION  
-50°C < T<sub>amb</sub> < +65°C < 120W  
-50°C < T<sub>amb</sub> < +40°C / +55°C > 120W  
BATTERY BACKUP VERSION  
-20°C < T<sub>amb</sub> < +50°C  
\* T code refer to the Annex Page. Table 1 Temperature Classification.

Approved for issue on behalf of the IECEx  
Certification Body:

**D, Adams P.Eng.**

Position:

**Manager, Hazardous Locations Department [Ex Equipment]**

Signature:  
(for printed version)

Date:

2022-01-18

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](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**QPS  
Evaluation Services Inc.  
81 Kelfield St  
Unit 8  
Toronto, Ontario M9W 5A3  
Canada**





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Manufacturer: **Killark, A Division of Hubbell Inc. (Delaware)**  
2112 Fenton Logistics Park Blvd  
Fenton, MO  
63026  
USA  
**United States of America**

Additional manufacturing locations: **Chalmit**  
Chalmit Lighting  
388 Hillington Road  
Glasgow G52 4BL  
Scotland  
**United Kingdom**

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 60079-7:2015](#) Explosive atmospheres – Part 7: Equipment protection by increased safety "e"  
Edition:5.0

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:

[CA/QPS/ExTR20.0003/00](#)  
[CA/QPS/ExTR20.0003/03](#)

[CA/QPS/ExTR20.0003/01](#)

[CA/QPS/ExTR20.0003/02](#)

### Quality Assessment Reports:

[GB/SIR/QAR16.0021/02](#)

[GB/SIR/QAR16.0021/04](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

LED Floodlight Luminaires: Killark's Models: **KFLX**. and Chalmit's Models: **ARXC**

See Detail: ANNEX page for Detail.

STANDARD VERSION Models: **KFLX...** and **ARXC...**

Electrical ratings: 120-277 VAC, 50/60Hz. / 100-250 VDC,

Power consumption: See ANNEX page for Detail

BATTERY BACKUP VERSION Models: **KFLX..iE** and **ARXC..EM**

Electrical ratings: 120-277VAC 50/60 HZ.

Power consumption: See ANNEX page for Detail.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

1. TO PREVENT IGNITION OF HAZARDOUS ATMOSPHERES, DISCONNECT BALLAST/FIXTURE FROM SUPPLY CIRCUIT BEFORE OPENING. KEEP TIGHTLY CLOSED WHEN IN OPERATION.
2. DO NOT OPEN, MAINTAIN OR SERVICE IN AN AREA WHERE AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT.
3. CLEAN LENS WITH DAMP CLOTH TO AVOID STATIC DISCHARGE.
4. THE LUMINAIRE SHALL ONLY BE INSTALLED WHERE THERE IS A LOW RISK OF MECHANICAL DAMAGE.
5. READ AND INSTALL ACCORDING TO INSTALLATION MANUAL.



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

Revise the T code of the Rating with  
Ex ec IIC T5/T4/T3 Gc, Ex tb IIC T100C/T135C/T160C Db

**Annex:**

[IECEX QPS 19.0031\\_3 Annex\\_1.pdf](#)