



# 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 25.0010X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2025-03-31

Applicant: **Hubbell Inc. - Killark Div**  
2112 Fenton Logistics Park Blvd.  
Fenton  
Missouri 63026  
**United States of America**

Equipment: **LED Luminaires for use in hazardous locations with optional Battery Backup, Killark's model: MBLX / MBLX...iE and Chalmers' Model: ECXC/.../LE Series. Refer to Annex page for nomenclature, model number and optional features.**

Optional accessory: Stanchion 25° Mounting Bracket , Angled Reflector,

Type of Protection: **"ec", "tb"**

Marking: IECEx QPS 25.0010

- Standard Version (MBLX 6 30A2G00)  
Ex ec IIC T5 Gc  
Ex tb IIIC T100 Db  
Tamb: -40°C to 55°C (Standard Version).
- Battery Backup Version (MBLX 6 iE1 30A2G00)  
Ex ec IIC T5 Gc  
Ex tb IIIC Db T100 Db, IP66  
Tamb: -20°C to 50°C (Battery Backup Version).

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:  
(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.
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Certificate issued by:

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





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2112 Fenton Logistics Park Blvd.  
Fenton  
Missouri 63026  
**United States of America**

Manufacturing locations: **Hubbell Inc. - Killark Div**  
2112 Fenton Logistics Park Blvd.  
Fenton  
Missouri 63026  
**United States of America**

**Chalmit Lighting**  
388 Hillington Road  
Glasgow, G52 4B  
**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 60079-31:2022](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:3.0

[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:

[CA/QPS/ExTR25.0009/00](#)

Quality Assessment Reports:

[GB/SGS/QAR24.0002/00](#)

[GB/SIR/QAR16.0021/08](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

- LED Luminaires for use in hazardous locations with optional Battery Backup, Killark'r model: MBLX / MBLX...iE and Chalmits Model: ECXC/.../LE Series. Refer to Annex page for nomenclature, model number and optional features.

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

- Read Installation, Operation and Maintenance Manual first.
- Do not open when energised.
- Do not open when an explosive atmosphere is present.
- The Luminaire shall only be installed where there is a low risk of mechanical damage.

## **Annex:**

[IECEx\\_QPS\\_25.0010X\\_0\\_Annex.pdf](#)

**1. NOMENCLATURE: for MBLX for Killark's Brand**

The complete luminaire catalog number is as follows:

Example: Cat. No.      MBLX 6 iE1 30 A2G00  
   **1 2 3 4 5 6 7**

- 1- Series Designation-**MBLX**
- 2- Lumen Output in 1000s of Lumens  
1 - 1000 lm,  
2 - 2000 lm,  
4 - 4000 lm.  
6 - 6000 lm
- 3- Battery Backup (optional)  
- **iE05**—500 Lumen (180 Min)  
- **iE1** – 1000 Lumen (90 Min)
- 4- Voltage – Input supply  
**30** – 120 thru 277 VAC, 50/60 Hz  
**33** – 347 thru 480 VAC, 50/60 Hz  
**34** – 105 thru 250 VDC
- 5- Mounting Splice Box  
**A** - Pendant  
**B** - Wall  
**X** - Ceiling  
**D** - Stanchion 25°
- 6- Entry Size  
**Blank**- no splice box  
**2** - ¾" NPT  
**3** - 1" NPT  
**4** - 1 ¼" NPT  
**5** - 1 ½" NPT  
**8** - M20 4-Hub  
**9** - M25 5-Hub
- 7- Options  
**YYZZ** – White LED Chromaticity where  
**YY**- correlated color temperature (CCT) minimum 3000K;  
**ZZ** - Color Rendering Index (CRI) maximum 95  
(No value=Standard 5000K CCT 70 CRI minimum)  
**AR** – Angled Reflector (MBLXAR)  
**DR** – Dome Reflector (MBLXDR)  
**SP** – Add Supplemental Surge Protection  
**TBx** -- Terminal Blocks (may be alphanumeric to indicate terminals)  
**xH** – Optional Paint (i.e. RH = Red Housing)  
Guard  
**G** – With Guard  
**N** – No Guard

## 2. NOMENCLATURE for ECXC/ (Chalmit brand)

**Example: Catalog Number ECXC/01L/LE**

| Series Designation | Lumen Output | Options |
|--------------------|--------------|---------|
| 1                  | 2            | 3       |

**1- Series Designation = ECXC/**

**2- Lumen Output (Approximate Lumens in Thousands)**

|        | 01L/LE | 02L/LE | 04L/LE | 06L/LE |
|--------|--------|--------|--------|--------|
| Watts  |        |        |        |        |
| Lumens | 1000   | 2000   | 4000   | 6000   |

**3- Options**

/PE Pendant mount version (for M25 conduit)

/ST Stanchion mount version (to suit pole threaded 1¼ NPT)

/D Zone 22 dust applications (with external earth plug)

/WM Wall mount version

/4K 4000K (Neutral White) LED Array

/3K 3000K (Warm White) LED Array