



QPS Evaluation Services Inc



(1) Type Examination Certificate

(2) **Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014**

(3) Type Examination Certificate Number: **QPS 25ATEX7002X** Issue Number: 0

(4) Product: LED Luminaires Model:
 1. Killark's MBLX/MBLXC...iE Series
 2. Chalmit's ECXC/.../LE Series
 See Annex for the detail of nomenclature and options.

(5) Manufacturer: 1. Killark - A Division of Hubbell Inc. (Delaware)
 2. Chalmit-A Division of HUBBELL Ltd. (UK)

(6) Address: 1. 2112 Fenton Logistics Park Blvd.
 Fenton, Missouri 63026, United States of America.
 2. 388 HILLINGTON ROAD, GLASGOW, UK G52 4BL

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) QPS Evaluation Services Inc. 81 Kelfield St., Units 7-9, Toronto, ON M9W 5A3, Canada, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

(9) The examination and test results are recorded in confidential test report number ATX1728-8
 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0 : 2018

EN 60079- 7:2015+A1:2018

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive 2014/34/EU article 13 apply to the manufacturing process and supply of this product. These are separately certified and not covered by this certificate.

(12) The marking of the product shall include the following:



II 3G Ex ec IIC T5 Gc

T_{amb}: -40°C to 55°C (Standard Version).

T_{amb}: -20°C to 50°C (Battery Backup Version)

Date of certification: 31 March 2025

Rob Kohuch
 Certification Manager
 QPS Evaluation Services Inc.

Type Examination Certificate without signature shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by QPS Evaluation Service Inc.

QPS Inc. 81 Kelfield St., Units 7-9, Toronto, ON M9W 5A3 Tel: 416-241-8857
 www.qps.ca

SCHEDULE



(13)

(14) **to Type Examination Certificate QPS 25ATEX7002X**

Issue No. 0

(15) **Description and Electrical data**

The MBLX series LED luminaire consists of a die-cast aluminium housing, tempered glass globe and a die-cast splice box for mounting styles such as Pendant, Ceiling, Wall, or Stanchion 25°. The splice boxes are separately certified. The MBLX series luminaire is an LED-based fixture, utilizing LED drivers to power LED array with optional Guard and Reflectors.

The MBLX series LED luminaires have rated inputs of 100 thru 277 Vac and 378-480 Vac 50/60Hz and 12-24 Vdc or 105 thru 250 VDC. The LED luminaires with battery backup Killark's model (MBLX...iE) have rated inputs of 100 thru 277 Vac, and 378-480 Vac 50/60H.

The VM series luminaires is intended to install in the permanent location where moisture, dirt, duct, and hazardous condition atmospheres present.

The luminaire enclosure comprises of Mounting Splice Boxes, LED tank assembly, Reflector and Optic. An optional wired guard, Battery Backup and dome reflector can be attached to the LED Tank Assembly.

The Chalmit's model ECXC/.../LE Series LED luminaire has the identical construction of the Killark's model' MBLX series LED luminaire. The Chalmit's model / ECXC/.../LE series have rated inputs of 100 thru 277 Vac and 105 thru 250 VDC.

Refer to nomenclature for detail of the model number and optional feature.

(16) **Report Number: ATX1728-8**(17) **Specific conditions of use:**

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

(18) **Essential Health and Safety Requirements**

Met by compliance with the requirements mentioned in item 9.

(19) **Remarks and additional information:**(20) **Certificate history**

Issue 0 - 03/31/2025; Initial certificate.

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(14) **to Type Examination Certificate QPS 25ATEX7002X**Issue No. **0**

1. NOMENCLATURE:

The complete luminaire catalog number is as follows:

Example: Cat. No. MBLX 6 iE1 30 A 2 G 00
 1 2 3 4 5 6 7

- 1- Series Designation-MBLX (Series Constant).
- 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

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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 1 ¼ 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