



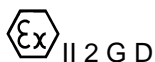
EU Type Examination Certificate CML 19ATEX1289X Issue 1

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **L1L... Series and L1L...IE2... Series LED Luminaire**
- 3 Manufacturer **KILLARK, A DIVISION OF HUBBEL Inc.**
- 4 Address **2112 Fenton Logistics Park Blvd.
Fenton,
MO 63026, USA** **388 Hillington Road
Glasgow, G52 4BL, UK**
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 CML B.V. , Chamber of Commerce No 6738671, Hoogoorddreef 15, Amsterdam, 1101 BA, The Netherlands, Notified Body Number 2776, 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 equipment 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.
The examination and test results are recorded in the confidential reports listed in Section 12.
- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:
EN 60079-0:2012 EN 60079-28:2015
EN 60079-1:2014 EN 60079-31:2014

- 10 The equipment shall be marked with the following:

Standard version: L1L...

Emergency version: L1L...IE2...

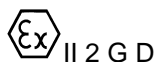


II 2 G D

Ex db op is IIB+H2 T6 Gb,

Ex tb op is IIIC T85 ° Gb IP 66

T_{amb}: -20°C to +40°C/+55°C



II 2 G D

Ex db op is IIB+H2 T6 Gb,

Ex tb op is IIIC T85 ° Gb IP 66

T_{amb}: -20°C to +40°C/+50°C



CML 19ATEX1289X
Issue 1

11 Description

The L1L... Series and L1L...IE2... Series LED Luminaire is a completely assembled fixture consisting of a driver housing, fixture housing, lens tube, and end cap. The assembly may also include optional diffuser and guards.

The flameproof is achieved by utilizing the following joints:

- i) The two threaded joints: first one is between the driver housing and cover, and the second one is between the driver housing and line bushing;
- ii) The two cemented joints: one of them is between the lens tube and the driver housing, the other one is between the lens tube and the end cap;
- iii) Potted line bushing with four wires passing through. Minimum length of the wires is (3 – ¼)" having insulation stripped in length of 3/8" on the end of each wire.

All metal parts of the luminaire are made of aluminium (cast aluminium). The tube lens is made of borosilicate glass 9 mm thick and is held in place by cemented joint 5/8-inch minimum length. Cement is Metalcrete Instarok (SC) sealing compound.

Both threaded joints are provided with O-rings made of silicon. Each O-ring sits in groove in area on the end of the 1" long threaded path of both: cover and the line bushing. The luminaire is equipped with up to 3 x 120 individual LED's.

Variation 1

- i. To recognise a change in manufacturing location. The previous address of 3940 Dr. Martin Luther King Drive, St. Louis, MO 63113 USA is replaced with 2112 Fenton Logistics Park Blvd. Fenton, MO 63026, USA.
- ii. To permit the extension of the ambient temperature range of the L1L...IE2... Emergency version. The previous temperature range of 0°C to +40°C/+48°C is replaced with -20°C to +40°C/+50°C.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	20 Jun 2019	R12538A/00	Initial Issue
1	22 Jan 2020	R13037A/00	Variation 1

Note: Drawings that describe the equipment or component are listed in the Annex.

13 Conditions of manufacture

None.

14 Specific Conditions of Use (Special Conditions)

The following conditions relate to safe installation and/or use of the equipment.

- 14.1 Read Installation, Operation and Maintenance Manual first
- 14.2 Do not open when energised
- 14.3 Do not open when an explosive atmosphere is present
- 14.4 The Luminaire shall only be installed where there is a low risk of mechanical damage
- 14.5 No modification to the flame-path joints allowed without contacting the manufacturer



Certificate Annex

Certificate Number CML 19ATEX1289X
Equipment L1L... Series and L1L...-IE2... Series LED Luminaire
Manufacturer KILLARK, A DIVISION OF HUBBEL Inc.

The following documents describe the equipment or component defined in this certificate:

Issue 0

Drawing No	Sheets	Rev	Approved date	Title
E51558-1A	1 of 3	A	20/06/2019	L1L ASSEMBLY. IEC CERTIFICATION PROTECTION CODE Ex db, Ex tb
E51558-2A	2 of 3	A	20/06/2019	L1L ASSEMBLY. IEC CERTIFICATION PROTECTION CODE Ex db, Ex tb
E51558-3A	3 of 3	A	20/06/2019	L1L ASSEMBLY, IEC CERTIFICATION CHALMIT NAMEPLATE

Issue 1

Drawing No	Sheets	Rev	Approved date	Title
E51558-1A	1 of 3	A	20/06/2019	L1L ASSEMBLY. IEC CERTIFICATION PROTECTION CODE Ex db, Ex tb
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