



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 QPS 19.0005X** Page 1 of 4 [Certificate history:](#)
 Status: **Current** Issue No: 1 [Issue 0 \(2019-05-03\)](#)

Date of Issue: 2020-01-14

Applicant: **Killark, A Div. of Hubbell Inc (Delaware)**
 2112 Fenton Logistics Park Blvd.
 Fenton
 Missouri 63026
 United States of America

Equipment: **L1L Series LED Luminaire**

Optional accessory:

Type of Protection: **"db", "tb", "op is"**

Marking: **L1L SERIES LED LUMINAIRE**

Standard Version (L1L...-.)	Emergency Version. (L1L...-IE2..)
Ex db op is IIB+H2 T6 Gb	Ex db op is IIB+H2 T6 Gb
Ex tb op is IIIC T85°C Db IP66	Ex tb op is IIIC T85°C Db IP66
T _{amb} : -20°C to + 40°C, or T _{amb} : -20°C to +55°C	T _{amb} : -20°C to +40°C , or T _{amb} : -20°C to +50°C
Input Rating: 120-277 Vac, 50-60 Hz, 0.2A - 0.8 A	Input Rating: 120 -277 Vac, 50-60 Hz, 0.2A - 0.8A

Approved for issue on behalf of the IECEx Certification Body:

D. Adams, P. Eng.

Position:

Manager, Ex (Hazardous Locations) Department

Signature:
(for printed version)

Date:

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:

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





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

Additional manufacturing locations: **Chalmit, A Division of HUBBELL INCORPORATED (Delaware)**
388 HILLINGTON ROAD, GLASGOW, G52 4BL
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 60079-1:2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6

IEC 60079-28:2015 Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
Edition:2

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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/ExTR19.0006/00](#)

[CA/QPS/ExTR19.0006/01](#)

Quality Assessment Reports:

[GB/BAS/QAR06.0027/08](#)

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



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

L1L Series LED Luminaire:

Standard Version

Model Seres. L1L...

Input Rating: 120-277 Vac, 50-60 Hz., 0.2A - 0.8A.

Light Output Rating: 7K-14K Lumens

Emergency Version

Model series: L1L...IE2...

Input Rating: 120-277 Vac, 50-60 Hz., 0.2A - 0.8A.

Light Output Rating: 7K-14K Lumens.

*Catalog Number - See Annex 1.

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.
- No modification to the flame-path joints allowed without contacting the manufacturer.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 0: Original Issue

Issue No. 1:

a. Address Changes;

Applicant and manufacture address moved to a new location.

b. Revised the LED Luminaire Model I1L...IE2's ambient temperature to -20°C to +40°C or -20°C to +50°C from 0°C to +40°C or 0°C to +48°C.

Annex:

[IECEX QPS 19.0005x_01 Annex 1.pdf](#)



QPS Evaluation Services Inc.

Testing, Certification and Field Evaluation Body
Accredited in Canada, the USA, and Internationally

ANNEX 1 to IECEx QPS 19.0005X Issue No. 1, Date: 2020-01-15

1. Nomenclature

Item	Detail									
Type identification	Series L1L17 E13 30 D (Sample)									
	<table border="1" style="margin-left: 40px;"> <tr> <td>L1L</td> <td>7</td> <td>IE2</td> <td>30</td> <td>D</td> </tr> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> </tr> </table>	L1L	7	IE2	30	D	1	2	3	4
L1L	7	IE2	30	D						
1	2	3	4	5						
	1: Model Series: L1L (Standard Version), L1L..IE2... (Emergency Version).									
	2: Type of Lens-Output light Wattage									
	<table> <tr> <td>14</td> <td>14K Lumens</td> </tr> <tr> <td>12</td> <td>12K Lumens</td> </tr> <tr> <td>10</td> <td>10K Lumens</td> </tr> <tr> <td>7</td> <td>7K Lumens</td> </tr> </table>	14	14K Lumens	12	12K Lumens	10	10K Lumens	7	7K Lumens	
14	14K Lumens									
12	12K Lumens									
10	10K Lumens									
7	7K Lumens									
	3: DC Wattage(Emergency Version Model: L1L..IE2...)									
	Blank: No DC battery Wattage IE2-2000 Lumens in emergency mode IE1-1000 Lumens in emergency mode									
	4: Input Voltage: 30: 120-277 V ac,									
	5. Options									
	aabb—aaK Color Temperature bbCRI									
	For Example: 3590 3500K Color Temperature 90 CRI									
	D- Diffuse Lens									
	F - Single Fuse (Fuse option for CSAus only)									
	FF - 2 Fuses (Fuse option for CSAus only)									
	D25 - M25 Metric Entries									
	D20 - M20 Metric Entries									
	TBx Terminal Blocks (x =variations)									
	TBLx Terminal Blocks (x = variations)									
	QD Quick Disconnect									
	HS52 ½” and M20 entries									
	D50 ½” NPT Entries									
	LSP Less Surge Protector									
	FTW Feed Through Wiring without Terminal Blocks									
	RH Red Painted Fixture									
	WH White Painted Fixture									

YOUR FULL SERVICE PARTNER IN GLOBAL CONFORMITY ASSESSMENT

81 Kelfield Street, Units 7-9, Toronto, ON M9W 5A3, Canada, Ph: 416-241-8857 Fax: 416-241-0682
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7700 Hub Parkway, Unit 1, Cleveland, OH 44125 Ph. 216-377-3191 Fax: 216-377-3192
Web Site www.qps.ca and www.qpscertainment.com
Toll Free: 1- 877-746-4777



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2. Temperature Classes

Operating Temperature, °C and Temperature classification

Model:			L1L series LED Luminaire Standard and emergency version					
Standard	Ambient Temp		40°C Ambient			+55°C Ambient		
	Total Fixture Watts	# of LED PCB	IIB_H2 Gb	IIIC Db	Min Supply Wire Temp °C	IIB_H2 Gb	IIIC Db	Min Supply Wire Temp °C
L1L1430	93	3	T6	≤85	75	--	--	--
L1L1230	88	3	T6	≤85	75	T6	≤85	78
L1L10030	75	3	T6	≤85	75	T6	≤85	78
L1L730	46	3	T6	≤85	75	T6	≤85	78
Emergency	Ambient Temp		40°C Ambient			+50°C Ambient		
L1L14IE230	93	3	T6	≤85	75	--	--	--
L1L12 IE230	80	3	T6	≤85	75	T6	≤85	78
L1L10 IE230	75	3	T6	≤85	75	T6	≤85	78
L1L7 IE230	46	3	T6	≤85	75	T6	≤85	78

Notes: "--": There is no luminaire available at such ambient temperature rating.

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