



# 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 15.0011** Page 1 of 4 Certificate history:  
Status: **Current** Issue No: 2 [Issue 1 \(2017-12-15\)](#)  
Date of Issue: 2020-01-15 [Issue 0 \(2016-05-03\)](#)  
Applicant: **Killark - A Division of Hubbell Inc. (Delaware)**  
2112 Fenton Logistics Park Blvd.  
Fenton  
Missouri 63026  
**United States of America**  
Equipment: **KFLH and KFL2H Series LED Flood Luminaires**  
Optional accessory:  
Type of Protection: **'n', Protection by enclosure 't'**  
Marking: IECEx QPS 15.0011  
Ex nA IIC T3/T4 Gc  
Ex tb III C T110°C/100°C/T85°C Db IP66  
-40°C to 55°C, -40°C to 40°C  
Electrical Rating:  
Electrical Input: 120-277 Vac, 100-250Vdc  
Output Rating: 175 -780 Watts. 1.7A- 6.8A

Approved for issue on behalf of the IECEx  
Certification Body:

**D. Adams, P. Eng.**

Position:

**Manager, Hazardous Locations Department**

Signature:  
(for printed version)

Date:

**January 15, 2020**

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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Date of issue: 2020-01-15

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

Additional  
manufacturing  
locations:

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 60079-0:2011** Explosive atmospheres - Part 0: General requirements  
Edition:6.0

**IEC 60079-15:2010** Explosive atmospheres - Part 15: Equipment protection by type of protection "n"  
Edition:4

**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/ExTR16.0006/00](#)

[CA/QPS/ExTR16.0006/01](#)

Quality Assessment Report:

[GB/SIR/QAR16.0021/03](#)



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**EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

KFLH and KFL2H Series LED Flood Luminaires

Rated 120-277Vac, 50/60Hz, or 100-250Vdc, 170-780 Watt max

Ambient Temperature Rating:

-40°C to 55°C, -40°C to 40°C

**SPECIFIC CONDITIONS OF USE: NO**



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

Update to incorporate;

1. New Company Location (Fenton)
2. New QAR (GB/SIR/QAR16.0021)

## **Annex:**

[IECEX QPS 15.0011\\_02 Annex.pdf](#)



# QPS Evaluation Services Inc.

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

## ANNEX to IECEx QPS 15.0011 Issue No. 1, Date: 2017-12-08

### 1. Nomenclature

Item	Detail								
Type identification	<p>Series KFLH39030D75(Sample)</p> <table border="1" data-bbox="755 514 1166 583"> <tr> <td>KFLH/KFL2H</td> <td>390</td> <td>30</td> <td>yy</td> </tr> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> </table> <ol style="list-style-type: none"> <li>1. <b>Model Series:</b> KFLH or KFL2H</li> <li>2. <b>Type of Lens-Output light Wattage:</b> <p>KFLH Series.</p> <p>390 Watt 300 Watt 250 Watt 220 Watt 210 Watt 170 Watt</p> <p><b>KFL2H Series</b></p> <p>780 Watt 600 Watt 500 Watt</p> </li> <li>3. <b>Input Voltage:</b> <p>30: 120-277 V ac, 50/60 Hz 34: 100-250Vdc; 120-277 Vac.</p> </li> <li>4. <b>Options:</b> <p>R – Reflector</p> <p>TBx – Terminal Block (x = Factory Wired Voltage) TBLx – Terminal Block (x = Factory Wired Voltage) with Looping Facilities D75 – Dual ¾” NPT Entries D25 – Dual M25 Metric Entries D20 – Dual M20 Entries PL – Plastic Lens (170 Watts unit only)</p> </li> </ol>	KFLH/KFL2H	390	30	yy	1	2	3	4
KFLH/KFL2H	390	30	yy						
1	2	3	4						

### YOUR FULL SERVICE PARTNER IN GLOBAL CONFORMITY ASSESSMENT

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 Toll Free: 1- 877-746-4777



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### 2. Temperature Classes

Model:			KFLH/KFL2H			KFLH/KFL2H		
Ambient Temp			40°C Ambient Temp.			55°C Ambient Temp.		
Catalog #	LED Type	Total LED Watts	IIC Gc	IIC Db	Supply Wire Temp ° C	IIC Gc	IIC Db	Supply Wire Temp ° C
KFLH39030	LED "B&D"	392	T3	110°C	75	--	--	--
KFLH39033	LED "B&D "	392	T3	110°C	75	--	--	--
KFLH30030	LED "C&D"	300	T4	100°C	75	--	--	--
KFLH30033	LED "C&D"	300	T4	100°C	75	--	--	--
KFLH25030	LED "B&D"	250	T4	100°C	75	--	100°C	--
KFLH25033	LED "B&D"	250	T4	100°C	75	T4	100°C	90
KFLH22030	LED "A&D"	225	T4	100°C	75	--	100°C	90
KFLH22033	LED "A&D"	225	T4	100°C	75	T4	100°C	90
KFLH21030	LED "A&D"	205	T4	100°C	75	--	100°C	90
KFLH21033	LED "A&D"	250	T4	100°C	75	T4	100°C	90
KFLH17030	LED "B&D"	175	T4	100°C	75	--	100°C	90
KFLH17033	LED "B&D"	175	T4	100°C	75	T4	100°C	90
KFL2H78030	LED "D"	815	T4	100°C	75	T4	--	--
KFL2H78034	LED "D"	815	T4	100°C	75	T4	--	--
KFL2H60030	LED "D"	575	T4	85°C	75	T4	100°C	90
KFL2H60034	LED "D"	575	T4	85°C	75	T4	100°C	90
KFL2H50030	LED "D"	563	T4	85°C	75	T4	100°C	90
KFL2H50034	LED "D"	563	T4	85°C	75	T4	100°C	90

#### Notes:

1. "--": There is no luminaire available at such ambient temperature rating.
2. LED Type:
  - a. LED "A"= Nichia 219B
  - b. LED "B"= Cree XM-L2
  - c. LED "C"= Nichia 757D
  - d. LED "D"= Cree XP-L

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

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