



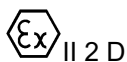
EU Type Examination Certificate CML 15ATEX3080X Issue 2

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **KFLH and KFL2H Series LED Luminaires**
- 3 Manufacturer **Killark, A Division of Hubbell Inc. (Delaware)**
- 4 Address 2112 Fenton Logistics Park Blvd.
Fenton, Missouri 63026, United States of America
- 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, Koopvaardijweg 32, 4906CV Oosterhout 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.

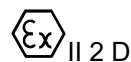
The examination and test results are recorded in the confidential reports listed in Section 12.
- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 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+A11:2013 EN 60079-28:2015 EN 60079-31:2014

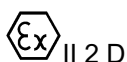
- 10 The equipment shall be marked with the following:



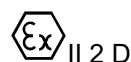
Ex op is tb IIIC T110°C Db
Ta = -40°C to +40°C



Ex op is tb IIIC T100°C Db
Ta = -40°C to +40°C



Ex op is tb IIIC T85°C Db
Ta = -40°C to +40°C



Ex op is tb IIIC T100°C Db
Ta = -40°C to +55°C



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11 Description

The KFLH and KFL2H series LED flood lights are 120–277 Vac 50/60Hz or 100-250 Vdc rated luminaires intended to be permanently installed in locations where moisture, dirt, dust and hazardous atmospheres may be present.

The luminaires comprise an LED driver housed in a main enclosure and either 2 (KFLH series) or 4 (KFL2H series) externally mounted flat-lensed LED board enclosures. The enclosure is manufactured from aluminium, incorporates a mounting yoke and has an IP66 ingress protection rating.

The product has the following nomenclature,

KFLH / KFL2H xxx yy z

Where,

xxx is the nominal light output

390 = 390W nominal (392W actual)
300 = 300W nominal (300W actual)
250 = 250W nominal (255W actual)
220 = 220W nominal (225W actual)
210 = 210W nominal (205W actual)
170 = 170W nominal (175W actual)
780 = 780W nominal (815W actual)
600 = 600W nominal (575W actual)
500 = 500W nominal (563W actual)

yy is the input voltage

30 = 120-277 Vac, 50/60Hz
34 = 100-250 Vdc

z are the product options

R = reflector

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 entries
D20 = dual M20 entries
PL = plastic lens (170W unit only)



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The main product characteristics are as follows,

Model	LED Type	Total LED Power (W)	40°C Ambient Temperature			55°C Ambient Temperature		
			Temp Class (IIC Gc)	Max Surface Temp (IIC Db)	Supply Wire Temp (°C)	Temp Class (IIC Gc)	Max Surface Temp (IIC Db)	Supply Wire Temp (°C)
KFLH39030	B, D	392	T3	T110°C	75	-	-	-
KFLH39034	B, D	392	T3	T110°C	75	-	-	-
KFLH30030	C, D	300	T4	T100°C	75	-	-	-
KFLH30034	C, D	300	T4	T100°C	75	-	-	-
KFLH25030	B, D	255	T4	T100°C	75	T4	T100°C	90
KFLH25034	B, D	255	T4	T100°C	75	T4	T100°C	90
KFLH22030	A, D	225	T4	T100°C	75	T4	T100°C	90
KFLH22034	A, D	225	T4	T100°C	75	T4	T100°C	90
KFLH21030	A, D	205	T4	T100°C	75	T4	T100°C	90
KFLH21034	A, D	205	T4	T100°C	75	T4	T100°C	90
KFLH17030	B, D	175	T4	T100°C	75	T4	T100°C	90
KFLH17034	B, D	175	T4	T100°C	75	T4	T100°C	90
KFL2H78030	D	815	T4	T100°C	75	-	-	-
KFL2H78034	D	815	T4	T100°C	75	-	-	-
KFL2H60030	D	575	T4	T85°C	75	T4	T100°C	90
KFL2H60034	D	575	T4	T85°C	75	T4	T100°C	90
KFL2H50030	D	563	T4	T85°C	75	T4	T100°C	90
KFL2H50034	D	563	T4	T85°C	75	T4	T100°C	90

LED types: A = Nichia 219B
B = Cree XM-L2
C = Nichia 757D
D = Cree XP-L

Variation 1

This variation introduces the following modifications:

- i. To permit the use of a polycarbonate lens on 170W version



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Variation 2

This variation introduces the following modifications:

- i. To amend the manufacturer name and address.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	27/10/2016	R892A/00	Issue of prime certificate.
1	06/10/2017	R11391A/00	Introduction of Variation 1.
2	29 Jun 2021	R13909A/00	The introduction of Variation 2.

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.

- i. Equipment to be installed in location with low risk of mechanical impact.

Certificate Annex

Certificate Number CML 15ATEX3080X
Equipment KFLH and KFL2H Series LED Luminaires
Manufacturer Killark, A Division of Hubbell Inc. (Delaware)



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

Issue 0

Drawing No	Sheets	Rev	Approved date	Title
D-24948	1 of 3	5	27/10/2016	Schedule Drawing KFLH
D-24948	2 of 3	5	27/10/2016	Schedule Drawing KFL2H
C-24948	3 of 3	A	27/10/2016	Schedule Drawing KFLH & KFL2H Labels

Issue 1

Drawing No	Sheets	Rev	Approved date	Title
D-24948	1 of 3	B	06/10/2017	Schedule Drawing KFLH

Issue 2

Drawing No	Sheets	Rev	Approved date	Title
C-24948	3 of 3	C	29 Jun 2021	Schedule drawing KFLH & KFL2H Labels