



# Certificate of Compliance

**Certificate:** 2620511

**Master Contract:** 151933

**Project:** 80168619

**Date Issued:** 2023-08-17

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

**Attention:** Thomas J. Michalski

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.*

**Issued by:** Steven Simkevitz  
Steven Simkevitz



## **PRODUCTS**

CLASS - C342803 - FIXTURES AND FITTINGS For Hazardous Locations

CLASS - C342882 - FIXTURES AND FITTINGS For Hazardous Locations-Certified to U.S. Standards

**Class I, Division 1, Groups B, C and D; Class II, Division 1, Groups E, F and G; Class III; T5 or T6 (Class I, Div. 1), T3A, T3C, T4, or T4A (Class II, Div. 1); Type 3 and 4X, IP66;**

- LED luminaires for use in hazardous locations, Series KF1L, rated 480 VAC max, 125 Watts max, 50/60Hz.

## Notes:

1. Series Cat. No. KF1L is followed by alphanumeric suffixes denoting electrical and mechanical variations. (See Nomenclature breakdown below.).
2. Ambient 40 and 55C where applicable.



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**Class I, Division 1, Groups B, C and D; T5, Type 3 and 4X, IP66;**

- LED luminaires for use in hazardous locations, Series KF1L, rated 480 VAC max, 150, 165 and 195 Watts max, 50/60Hz.

Notes:

1. Series Cat. No. KF1L is followed by alphanumeric suffixes denoting electrical and mechanical variations. (See Nomenclature breakdown below.).
2. Ambient 40 max.

**APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No. 137-M1981	- Electric Luminaires for Use in Hazardous Locations
CSA C22.2 No. 250.0:21 (June 18, 2021)	- Luminaires
CAN/CSA C22.2 No. 94.2-07	- Enclosures for Electrical Equipment, Environmental Considerations
CSA C22.2 No. 250.13:22 (May 2022)	- Light Emitting Diode (LED) Equipment for Lighting Applications
UL Standard 1598, 5 <sup>th</sup> Edition (June 18, 2021)	- Luminaires
ANSI/UL Standard 1604 – 3 <sup>rd</sup> Edition	- Electrical Equipment for Use in Class I and II, Div. 2, Class III Hazardous Locations
ANSI/UL Standard 844 – 12 <sup>th</sup> Edition	- Luminaires for Use in Hazardous (Classified) Locations
ANSI/UL Standard 50E – 1 <sup>st</sup> Edition	- Enclosures for Electrical Equipment, Environmental Considerations
UL Standard 8750, 2 <sup>nd</sup> Edition (December 7, 2022)	- Light Emitting Diode (LED) Equipment for use in lighting Product
ANSI/UL 60079-0:09	- Electrical Apparatus for Explosive Gas Atmospheres - Part 0:
General Requirements	

**MARKINGS**

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.




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The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Each luminaire shall be legibly marked using pressure-sensitive labels, paint stencils, indelible print, die-stamp, embossing, molding or casting, or etching. One or more of these methods may be used. The characters of embossed, molded, or cast letter, either in or out, shall be minimum of 0.25 mm (0.010 in) in depth. Pressure-sensitive labels of the permanent type that are secured by adhesive shall be CSA/UL approved labels and suitable for the mounting surface, temperature, and environment. A pictogram in accordance with Annex D of CSA C22.2 No. 250.0 / UL 1598 may be used as a substitute for the corresponding text. Markings in quotes (“ ”) are verbatim.

Note: The following markings are only applicable for ordinary locations luminaires which may or may not be required in the end-product. It will be decided upon in the end-product certification.

Item	Marking	Notes	Format - Location
1.	Model designation (catalogue or part number) or equivalent.		S16-L2
2.	Date code marking stamped with durable ink or other equivalent permanent method.		S16-L2
3.	Factory ID (when produced at more than one factory)		S16-L2
4.	Complete electrical rating in volts, hertz, input amps or watts.		S16-L3
5.	SUITABLE FOR OPERATION IN AMBIENT NOT EXCEEDING ___ °C PEUT ÊTRE UTILISÉ À UNE TEMPÉRATURE AMBIANTE N'EXCÉDANT PAS ___ °C	1	S16-L2
6.	“MIN ___ °C SUPPLY CONDUCTORS” “LES FILS D’ALIMENTATION ___ °C MIN”	1	S16-L3 S32-L4
7.	“SUITABLE FOR WET LOCATIONS” “ CONVIENT AUX EMPLACEMENTS MOUILLÉS ”		S16-L2
8.	“CAUTION – RISK OF FIRE” “ATTENTION – RISQUE D’INCENDIE”		S24-L1
9.	CONSULT A QUALIFIED ELECTRICIAN TO ENSURE CORRECT BRANCH CIRCUIT CONDUCTOR CONSULTER UN ÉLECTRICIEN QUALIFIÉ POUR VOUS ASSURER QUE LES CONDUCTEURS DE LA DÉRIVATION SONT ADÉQUATS	4	S24-L4
10.	THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED CE PRODUIT DOIT ÊTRE INSTALLÉ SELON LE CODE D’INSTALLATION PERTINENT, PAR UNE PERSONNE QUI	2	S24-L4



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Item	Marking	Notes	Format - Location
	CONNAÎT BIEN LE PRODUIT ET SON FONCTIONNEMENT AINSI QUE LES RISQUES INHÉRENTS		
11.	FUSE [identification] ___ AMPS FUSIBLE [identification] ___ AMPÈRES	3	S24-L6
Noted: <ol style="list-style-type: none"> <li>1 Refer to Table 1 in the product description.</li> <li>2 May be omitted if wiring instructions that specify the proper method of connecting the grounding means and maintaining polarity are provided with the luminaire in a manner that will require the installer to handle the instructions during installation.</li> <li>3 When fuse is provided.</li> <li>4 May be omitted if the carton is marked with items 8 and 10</li> </ol>			

Table 1: Product Markings

Nameplate adhesive label material approval information:

Pressure-sensitive labels of the permanent type that are secured by adhesive shall be CSA/UL approved labels that comply with CSA C22.2 No. 0.15 or UL 969 and suitable for the mounting surface, temperature, and environment.

The following points/markings shall be referenced in the Installation Instructions. Instructions in quotes (“ ”) are verbatim and may be required in both English and French in some Canadian Provinces.

	Installation Instructions	Notes	Format - Location
1	Proper replacement of a part removed for user maintenance.		S16-L5
2	Assembly instructions for a luminaire that requires partial assembly in the field		S16-L5
3	A post top type luminaire that is intended to be conductively connected to a grounded pole or post (if applicable)	1	S16-L5
4	Instructions specifying the specific method for sealing the mounting surface or specific fittings for supply connections (if applicable)		S16-L5
Notes: <ol style="list-style-type: none"> <li>1) Not required if the luminaire does not require grounding.</li> </ol>			

Table 2: Required Installation Instructions

Location designation	Description	Label exposed to a dry/damp environment	Label exposed to a wet environment
L1	Visible during relamping, and after installation	Type P	Type P
L2	Visible during installation	Type N	Type P



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L3	Visible during installation and inspection of wire connections, located near the supply connections	Type N	Type P
L4	On the smallest unit package or carton	Type T	Type T
L5	On an instruction sheet or tag, or manufacturers website	Type T	Type T
L6	Visible during component replacement	Type P	Type P

Type P designates a permanent label or nameplate that is intended to remain in the applied position for the lifetime of the luminaire under conditions of normal use. It provides information required for user maintenance over the expected life of the product. It is made of metal, plastic, or other material that is secured by adhesive that complies with CSA C22.2 No. 0.15 or UL 969.

Type N designates a non-permanent label or nameplate that is intended to remain in place only for the purpose of installation. It shows the certification mark, manufacturer's identification, and product identification. It is made of paper with an adhesive backing.

Type T designates a temporary label, instruction sheet, or tag that is not required after installation. It provides installation instructions, and information not required after installation. It is made of printed matter with or without adhesive and/or attachment, and is intended to be included with, or attached to, the product, or designates a publicly accessible website.

Table 3: Form and Location Designations

Size designation	Letter Height		Font size (points)	Font typeface, upper case
	mm	in		
S16	1.6	0.062	6	Univers bold Arial bold Helvetica bold Zurich BT bold
S24	2.4	0.094	10	Univers bold Arial bold Helvetica bold Zurich BT bold
S32	3.2	0.125	12	Not specified
S48	4.8	0.188	19	Univers bold Arial bold Helvetica bold Zurich BT bold

Table 4: Format minimum size designation for marking height and typeface

**In addition, for KF1L luminaires certified under Classes 3428 03 and 3428 83:**

The equipment is marked with the following information. The following markings shall appear on an approved, mechanically attached, anodized aluminum label(s) (see Illustration 10 for the nameplate drawing):

- Submitter's name, Trade Mark, File Number or Master Contract Number.
- Catalog number.



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- Hazardous location rating designation (may be optionally marked with the additional Zone marking equivalent. e.g. Class I, Zone 1, Groups IIA, IIB + H<sub>2</sub> and Zone 21).
  - Date code or serial code.
  - The CSA Monogram with “C/D/E/G/H” and “US” indicators.
  - Complete Electrical Ratings: Voltage, Amperes, Frequency and Wattage.
  - Lamp Type.
  - Supply wire temperature rating.
  - Operating Ambient.
  - Temperature Code per “Table 1 – Operating Temperatures”.
  - "CAUTION: To Prevent Ignition Of Hazardous Atmospheres, Disconnect The Fixture From The Supply Circuit before opening. Keep tightly closed while circuits are alive." and French translation “AVERTISSEMENT: Pour Prevenir L’allumage D’environnements Hasardeux, Debrancher Le Luminaire Avant De L’ouvrir. Garder L’unité Complettement Fermee Lorsque Branchee.”.
  - "WARNING: To Prevent Fire Or Explosion Do Not Install Where The Marked Operating Temperature Exceeds Ignition Temperature Of Hazardous Atmospheres. For Installation, Operation, Maintenance and Aiming Instruction Sheet See Form K1415" and French translation “AVERTISSEMENT: Pour Prevenir Un Feu Ou Une Explosion, Ne Pas Installer Dans Les Endroits Ou Les Temperatures Excedent Les Temperatures Indiquees Sur Le Luminaire. Pour L’installation, L’operation, La Maintenance Et Pour La Direction Du Faisceau Lumineux, Voir La Feuille D’instructions K1415”.
  - May be marked “Factory Sealed”.
  - May be marked with “Suitable for Wet Location” and IP66; Enclosure Type 3 and 4X.
  - May be marked "Outdoor Type" when provided with stranded wiring, and without fusing option.

Notes:

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Products certified under Class C342803, C342882 have been certified under CSA’s ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). [www.scc.ca](http://www.scc.ca)





## Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.*

### Product Certification History

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Project	Date	Description
80168619	2023-08-17	Evaluation to update report 2620511 to: i) remove portable LED Series KF1LP under class numbers 3458-01 and 3458-81 and related standards, ii) incorporate LED luminaire Ordinary Location notices (102A, 102B, 111, 105, 125, 133) along with revising applicable Ordinary Locations standards accordingly and iii) removal of applicable standard CAN/CSA C22.2 No. 0-10.
70175626	2018-05-23	Update to CSA report 2620511, CPB 70038238 ( CLASS 3458 01/81) to : 1. Add alternate drivers 2. Add an alternate LED type. 3. Update Temperature Code Ratings for the KF1L12530 and KF1L11030
70038238	2015-07-15	Update Certificate 2620511 1. Add 195W, 165W and 150W fixtures to the report for use in Class I, Div. 1, Groups B, C and D; T5; Type 3, 4X, Marine, IP66. 2. Add an alternate silicone gasket
70015075	2015-03-20	Update of CSA report 2620511 to add KF1L Portable luminaire model.
70006815	2014-10-01	Update of Report 2620511 to add two new sealing compounds for the lens housing of the KF1L luminaire.
2620511	2013-12-05	HAZ 130129: (1of2) CSAus certification of KFL, rated 480V max, 125W max, for Class I, Div. 1 Groups B, C and D; Class II, E, F and G, Type 4X, Marine, IP66: .