



Certificate of Compliance

Certificate: 2620511

Master Contract: 151933

Project: 70175626

Date Issued: 2018-05-23

Issued to: Killark, Div of Hubbell Inc. (Delaware)
3940 Dr. Martin Luther King Dr.
St. Louis, Missouri 6311363113
USA
USA

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: *Domenic
Somma
Domenic Somma*

PRODUCTS

CLASS 3428 03 – FIXTURES AND FITTINGS – For Hazardous Locations

CLASS 3428 83 – FIXTURES AND FITTINGS – For Hazardous Locations - Certified to US 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.

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- 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.

CLASS 3458 01 – PORTABLE LUMINAIRES – For Hazardous Locations

CLASS 3458 81 – PORTABLE LUMINAIRES – For Hazardous Locations - Certified to US 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

- Portable LED luminaires for use in hazardous locations, Series KF1LP, rated 125 VAC max or 250 Vac max, 125 Watts max, 50/60Hz.

Notes:

1. Series Cat. No. KF1LP is followed by alphanumeric suffixes denoting electrical and mechanical variations. (See Nomenclature breakdown below).
2. Ambient 40 and 55C where applicable.
3. The plug of the luminaire is not certified for Class II, Division 1, Group E hazardous locations. When the luminaire is operated in a hazardous environment that includes Group E dusts the plug must be plugged-in outside of that area, in an area not classified for Class II, Group E.
4. The plug of the luminaire must be plugged-in into a suitably rated receptacle that is certified for the hazardous location classification of the area in which it is installed.
5. The plug of the luminaire is not rated for Wet Locations/Outdoor Use, Type 4, and IP66. It must be plugged-in in a dry indoor location only.

APPLICABLE REQUIREMENTS

The following standards were used in the evaluation of the products covered under this Certificate:

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|-----------------------------|--|
| CAN/CSA-C22.2 No. 0-10 | - General Requirements – Canadian Electrical Code, Part II |
| CAN/CSA-C22.2 No. 137-M1981 | - Electric Luminaires for Use in Hazardous Locations |
| CSA C22.2 No. 250.0-08 | - Luminaires |
| CAN/CSA C22.2 No. 94.2-07 | - Enclosures for Electrical Equipment, Environmental |



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CAN/CSA C22.2 No. 250.13-12	Considerations
CSA C22.2 No. 12-1982	- Light Emitting Diode (LED) Equipment for Lighting Applications
	- Portable Luminaires (where applicable)
ANSI/UL Standard 250 -2000	- Luminaires
ANSI/UL Standard 1598 – 3 rd Edition	- Luminaires
UL 153 – 13 th Edition	- Portable Electric Luminaires (where applicable)
ANSI/UL Standard 1604 – 3 rd Edition	- Electrical Equipment for Use in Class I and II, Div. 2, Class III Hazardous Locations
ANSI/UL Standard 844 – 12 th Edition	- Luminaires for Use in Hazardous (Classified) Locations
ANSI/UL Standard 50E – 1 st Edition	- Enclosures for Electrical Equipment, Environmental Considerations
ANSI/UL Standard 8750 – 1 st Edition	- 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.

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.

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.
- Hazardous location rating designation (may be optionally marked with the additional Zone marking equivalent. e.g. Class I, Zone 1, Groups IIA, IIB + H₂ and Zone 21).



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- Date code or serial code.
- The CSA Monogram with “C” 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’unite 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.

KF1LP Portable luminaires certified under Classes 3458 01 and 3458 81:

The equipment is marked with the following information. The following markings shall appear on an approved, mechanically attached, anodized aluminum label(s) (see Illustration 11 for the nameplate drawing):

- Submitter’s name, Trade Mark, File Number or Master Contract Number.
- Catalog number.
- Hazardous location rating designation (may be optionally marked with the additional Zone marking equivalent. e.g. Class I, Zone 1, Groups IIA, IIB + H₂ and Zone 21).
- Date code or serial code.



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- The CSA Monogram with “C” and “US” indicators.
- Complete Electrical Ratings: Voltage, Amperes, Frequency and Wattage.
- Lamp Type.
- Power supply cord temperature rating.
- Power supply cord replacement marking: “For replacement purpose use No. __ AWG, Type SOOW power-supply cord only”, where “__” may be “16/3”, “14/3”, or “12/3” as applicable.
- Operating Ambient.
- Temperature Code per “Table 2 – 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 K1441" 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 K1441”.
- May be marked with “Suitable for Wet Location” and IP66; Enclosure Type 3 and 4X.



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

Project	Date	Description
70175626	2018-05-23	Update to Certificate 2620511 to add alternate drivers and LED PC Boards and Temp Code ratings for the KF1L12530 and KF1L11030 LED Fixtures.
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	Addition of Canadian Certification under Class 3428 03 for the KF1L luminaire and addition of AS2501 acetoxy 1-Part RTV silicone sealant manufactured by ACC Silicones for use in the cemented joint between the glass lens and lens frame of the 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: .
70006373	1753-01-01	CSA To cover Report update for KF1L
70007589	1753-01-01	Update to report 2620511 to add cCSA listing, for KF1L fixture with RTV sealer.