



Certificate of Compliance

Certificate: 2549964 (011713_C_000)

Master Contract: 151933

Project: 70192731

Date Issued: 2018-07-27

Issued to: Killark, Div of Hubbell Inc. (Delaware)
3940 Dr. Martin Luther King Dr.
St. Louis, Missouri 63113
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*

D. Somma, C.E.T.

PRODUCTS

CLASS - C342803 - FIXTURES AND FITTINGS-For Hazardous Locations

CLASS - C342883 - FIXTURES AND FITTINGS-For Hazardous Locations-Certified to U.S. Standards

Class I, Division 2, Groups A, B, C and D; Class II, Division 1, Groups E, F and G; Class III; T4A, T5 or T6 (Class I, Div. 2), T3C (Class II, Div. 1), T3C (Class I, Div. 2 / Class II, Div. 1 Simultaneous Exposure); Type 4X; Marine Rated (US Only)

Class I, Zone 2, Groups IIC, IIB, IIA; Enclosure Type IP66

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

Notes:

1. Series Cat. No. KFL 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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APPLICABLE REQUIREMENTS

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

CAN/CSA-C22.2 No.	0-10	-	General Requirements – Canadian Electrical Code, Part II
CAN/CSA-C22.2 No.	25-1966	-	Enclosures for use in Class II, Groups E, F and G Hazardous Locations.
CAN/CSA-C22.2 No	30-M1986	-	Explosion –Proof Enclosures for Use in Class I Hazardous Locations
CAN/CSA-C22.2 No	94-M91	-	Special Purpose Enclosures
CAN/CSA-C22.2 No	137-M1981	-	Electric Luminaires for Use in Hazardous Locations
CAN/CSA-C22.2 No.	250 -2000	-	Luminaires
CAN/CSA-C22.2 No. 60079-0:11		-	Explosive Atmospheres - Part 0: Equipment - General requirements
CAN/CSA-C22.2 No. 60529:05		-	Degrees of protection provided by enclosures (IP Code)
ANSI/UL Standard	1598 – 3 rd Edition	-	Luminaires
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
ANSI/IEC 60529:2004		-	Degrees of Protection Provided by Enclosures (IP Code)

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.

The equipment is marked with the following information. The following markings shall appear on an approved self adhesive backed label(s).



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- Submitter's name, Trade Mark, File Number or Master Contract Number
- Catalog number,
- Hazardous location rating designation (may be optionally marked with Zone marking e.g. (Class I, Zone 2, Groups IIA, IIB, IIC),
- date code or serial code,
- the CSA Monogram with C US indicator
- 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."
- "CAUTION: USE SUPPLY WIRE SUITABLE FOR AT LEAST 90C"
- "WARNING: To Prevent Fire Or Explosion Do Not Install Where The Marked Operating Temperature Exceeds Ignition Temperature Of Hazardous Atmospheres"
- "CAUTION: See Instruction Sheet K1398 for Installation Operating and Maintenance Instructions"
- May be marked with "suitable for wet location" and/or "IP66" and/or "Enclosure Type 4X".
- May be marked "Marine Luminaire"[US Only] and "Outdoor Type" when provided with stranded wiring, and without fusing option.
- For fixtures with polycarbonate lens: "To avoid possible static discharge hazard, clean only with a damp cloth."