



# Certificate of Compliance

**Certificate:** 70027160 **Master Contract:** 151933 (011713\_C\_000)

**Project:** 70190351 **Date Issued:** 2018-07-19

**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.*



*Domenic Somma*  
**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), T4A (Class II, Div. 1), T4A (Class I, Div. 2 / Class II, Div. 1 Simultaneous Exposure); Type 4X; Type 6P; Marine Rated (US only); IPX6; IPX7**

- LED luminaires for use in hazardous locations, Series LAL, LALC, LALR, LALCR, LALFP, WLAL, WLALC, WLALR, WLALCR and WLALFP rated 120-480 VAC, 50/60 Hz or 100-250 VDC or 12-24 VDC, 120 Watts max.
- LED emergency backup Lighting Fixtures, Series LALE, LALFPiE, WLALE and WLAFPiE rated 120-277, 50/60 Hz. 26 W max,

## Notes:

1. The Series are followed by alphanumeric suffixes denoting electrical and mechanical variations. (See Nomenclature breakdown below).
2. Maximum Ambient 40°C, 55°C or 65°C as applicable (see Table 1 below for specification).
3. Exit sign option is excluded from use with pendant or stanchion mount.



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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	94-M91	-	Special Purpose Enclosures
CAN/CSA-C22.2 No	60529:05	-	Degrees of Protection Provided by Enclosures (IP Code)
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.	250.13 -2014	-	Light Emitting Diode (LED) Equipment for Lighting Applications
ANSI/UL Standard	1598 – 3 <sup>rd</sup> Edition	-	Luminaires
ANSI/UL Standard	844 – 12 <sup>th</sup> Edition	-	Luminaires for Use in Hazardous (Classified) Locations
ANSI/IEC Standard	60529 – 2004	-	Degrees of Protection Provided by Enclosures (IP Code)
ANSI/UL Standard	50 – 11 <sup>th</sup> Edition	-	Enclosures for Electrical Equipment, Environmental Considerations
ANSI/UL Standard	8750 – 1 <sup>st</sup> Edition	-	Light Emitting Diode (LED) Equipment for use in lighting products

### **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.

### **Nameplate adhesive label material approval information:**

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

- 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,



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- 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: In Order to Service a Battery Back-up Fixture, the Area Must be Non-Hazardous."
- "WARNING: To Prevent Fire Or Explosion Do Not Install Where The Marked Operating Temperature Exceeds Ignition Temperature Of Hazardous Atmospheres"
- "CAUTION: See Instruction Sheet K1449 for Installation Operating and Maintenance Instructions"
- May be marked with "SUITABLE FOR WET LOCATIONS" and/or "IPX6" and/or "Enclosure Type 4X" and/or "IPX7" and/or "Enclosure Type 6P".
- May be marked "Marine Luminaire" and "Outdoor Type" when provided with stranded wiring, and without fusing option.



## *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**

<b>Project</b>	<b>Date</b>	<b>Description</b>
70190351	2018-07-19	Update the existing CSA report on the LAL to: 1) Add an additional option (Externally mounted Exit Sign) 2) Add an alternate LED: Nichia NFSL757GT 3500K 90CRI. Up to now all LEDs have been 5000K (color temperature) and 70 CRI (color rendering index). Higher color temperatures are more efficient. 3) Add alternate drivers: XI055C180V054BSJ1, OT50W/UNV/800C/2DIMLT2/P6 and OT100W/347-480/1250C/2DIMLT2/P6 4) Add an alternate LED for use on the compact version: Cree XPG3. 5) Add an alternate LED board for use on the 50W compact version: the 20 Up board driven at 800mA instead of the 132Up Nichia 757 driven at 700mA.
70111397	2016-12-07	LALFP Lighting Fixture
70045073	2015-09-22	Update to Report 70027160 to alternate LED drivers for Series LAL lighting fixtures..
70027160	2015-04-24	Certification of LED luminaires Series LAL and LALE for use in hazardous locations