



CSA INTERNATIONAL

Certificate of Compliance

Certificate: 2003877 (LR 11713)

Master Contract: 151933

Project: 2063142

Date Issued: 2008/07/30

Issued to: Killark Electric Manufacturing Co.

3940 Martin Luther King Dr
St. Louis, MO 63113
USA
Attention: Tom Machalski

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US'



Issued by: D. Somma, C.E.T.

Authorized by: Patricia Pasemko, Operations Manager

PRODUCTS

CLASS 3428 83 - FIXTURES AND FITTINGS - For Hazardous Locations-Certified to U.S. Standards

CLASS 3428 03 - FIXTURES AND FITTINGS - For Hazardous Locations

CLASS 3428 03 – FIXTURES AND FITTINGS-For Hazardous Locations

Class I, Div. 2, Groups A, B, C and D; Class II, Div. 1, Groups E, F and G; Class III; Temperature Coded

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.



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T3C, T3B, T4A, or T6:

Ex nA T3, T4 or T6

- Fluorescent Fixture for use in hazardous locations, Series LZ2S, followed by 17, 28, 32, 40, 44, 54, 55 or 60; followed by 1, 2, 3 or 4; followed by 01, 04, 08, 15, 30, 33 or DC120; followed by TBx, Px or Qx; Rated 480 V AC max, 120 VDC max, 60 W max, 1, 2, 3, or 4 lamps, 24 inches or 48 inches

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

Class I, Div. 2, Groups A, B, C and D; Class II, Div. 1, Groups E, F and G; Class III; Temperature Coded T3C, T3B, T4A, or T6:

Class I, Zone 2 AEx nA T3, T4 or T6; Enclosure Type 4X; IP66.

- Fluorescent Fixture for use in hazardous locations, Series LZ2S, followed by 17, 28, 32, 40, 44, 54, 55 or 60; followed by 1, 2, 3 or 4; followed by 01, 04, 08, 15, 30, 33 or DC120; followed by F1, F4, F5, F8, TBx, Px, or Qx; Rated 480 V AC max, 120 V DC max, 60 W max, 1, 2, 3, or 4 lamps, 24 inches or 48 inches.

APPLICABLE REQUIREMENTS

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

CAN/CSA-C22.2 No. 0- M91	-	General Requirements
CAN/CSA-C22.2 No. 9.0-96	-	General Requirements for Luminaires
CAN/CSA-C22.2 No. 250-2000	-	Luminaires
CAN/CSA-C22.2 No.137-M1981	-	Electric Luminaires for Use in Hazardous Locations
ANSI/UL Standard No. 844 (Classified) Locations	-	Standard for Safety for Electric Lighting Fixtures for Use in Hazardous



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CAN/CSA E60070-15:02 - Electrical Apparatus for Explosive Gas Atmospheres – Part 15:
Electrical Apparatus with Type of Protection “n”

ANS/UL 60079-15 - Electrical Apparatus for Explosive Gas Atmospheres – Part 15:
Electrical Apparatus with Type of Protection “n”

CAN/CSA E60529 - Degree of protection provided by enclosures (IP Code)

MARKINGS

The equipment is marked with the following information on a certified adhesive:

- Submitter’s name,
- Catalogue number,
- Hazardous location rating designation,
- Date code,
- Complete Electrical Ratings: Voltage, Amperes, Frequency and Wattage,
- Lamp Type,
- Operating Ambient & Temperature Code

- "CAUTION: This unit has more than one power supply connection point. To reduce the risk of electrical shock, disconnect both branch circuit-breaker or fuses and emergency power supplies before servicing. Before servicing, see instruction sheet K1308 for installation, operation, and maintenance instructions. To Prevent Ignition of Hazardous Atmospheres, disconnect this fixture from the supply circuit and remove fixture from hazardous location before opening. Keep tightly closed while circuits are alive."

- “Risk of Ignition – Replace with the same ratings as existing fuse rated ____Amps” (For US only)

- "WARNING: To Prevent Fire or Explosion do not Install where the Marked Operating Temperature Exceeds Ignition Temperature of Hazardous Atmospheres"
- Rated maximum ambient temperature 40°C.



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- "Use Supply Leads rated 75°C"

- "May be marked Type 4X, IP66" and/or "Suitable for Wet Locations"

- CSA Monogram with the C US indicator along with Certificate Number

- Reference to Installation Instruction Form No. K1308.