



Certificate of Compliance

Certificate: 1965619

Master Contract: 151933

Project: 2454726

Date Issued: September 8, 2011

Issued to: Killark Electric Manufacturing Co.

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



D. Somma

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

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 I, Division 2, Groups A, B, C and D, Temperature Coded: T2B, T2D, T3, T3A or T3C; Class II, Groups E, F, G; Class III; Enclosure Types 3 and/or 4 (where applicable):

Class I, Zone 2, AEx nR, T4, T5 or T6; IP66

Ex nR, T4, T5 or T6: IP66:

- Emergency back up Lighting Fixtures, Series VE4Q and VE4B rated 120/277 VAC, 50/60 Hz, 84 W max, CF lamp(s).
- Emergency back up Lighting Fixtures, Series VE3Q & VE3B, rated 120/277 VAC, 50/60 Hz, 84 W max, CF lamp(s)

Class II, Groups E, F, G; Class III; Enclosure Types 3 and/or 4 (where applicable): IP66

- Emergency back up Lighting Fixtures, Series DE3B, rated 120/277 VAC, 60 Hz, 26 W max, CF lamp(s),
- Emergency back up Lighting Fixtures, Series DE4B, rated 120/277 VAC, 60 Hz, 26 W max, CF lamp(s),



Certificate: 1965619

Master Contract: 151933

Project: 2454726

Date Issued: September 8, 2011

Ballast Tank Assembly

Series VE4Q or VE3Q followed by 00,13, 18, 26, 32, 42, 26, 36, 52, 64 or 84; followed by 13, 18, 26, 32, 42, 26, 36, 52, 64 or 84; followed by E30;

Series VE3B or VE4B followed by 00,13, or 26, followed by 13 or 26, followed by E01 or E04.

Series DE3B or DE4B followed by 00, 13, or 26, followed by 13 or 26, followed by E01, E04 or E10.

Optics

VE3B, VE3Q, or DE3B: VMG17, VMR171, VMR175, VZRG1550, VZRG2550, VZRG2520, VZRP175

VE4B, VE4Q or DE4B: VMG25, VMR251, VMR253, VMR255, VMER40, VMEP40, VZRG4020, VZRG4050 (VE4Q), VZRP175B

External Guards

VE4B, VE4Q or DE4B: VMAG25S, VMERG, VMRWG (VE4Q), VMAG17 (VE3B and VE3Q)

VE3B, VE3Q, or DE3B: VMAG17, VMRWG8, VMRWG

External Reflectors

VE3B, VE3Q, VE4Q, DE3B, or DE4B: VMPSD40, VMPPA40, HRD400, HRD400ALZ

Mounting Splice Boxes

VE3B, VE3Q, VE4Q, DE3B, or DE4B: VMA2B, VMA3B, VMF2B, VM3FB, VMX2B, VMX3B, VMX6B, VMX7B, VMX8B, VMX9B, VMB2B, VMB3B, VMC2B, VMC3B, VMD4B, VMD5B, VMS4B, VMS5B (VE3B, VE3Q and VE4Q)

Options

VE3B, VE3Q, VE4Q: RD, NR, F, FF, TB, P1, P2, QD



Certificate: 1965619

Master Contract: 151933

Project: 2454726

Date Issued: September 8, 2011

DE3B or DE4B: RD, NR, F, FF, TB, QD

R, NR, F1, F2, F3, F4, F7, F8, TB, P1, P2, QD

APPLICABLE REQUIREMENTS

- | | | |
|---|---|---|
| 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. 25-1966
Locations | - | Enclosures for Use in Class II, Groups E, F and G Hazardous |
| CAN/CSA –C22.2 No. 30-M1986
Locations | - | Explosion –Proof Enclosures for Use in Class I Hazardous |
| CAN/CSA-C22.2 No 94-M91 | - | Special Purpose Enclosures, Industrial Products |
| CAN/CSA-C22.2 No.137-M1981 | - | Electric Luminaires for Use in Hazardous Locations |
| CAN/CSA E60079-15:02
Type of Protection “n” | - | Electrical Apparatus for Explosive Gas Atmospheres Part15: |
| ANSI/UL Standard 1598 | - | Luminaires |
| ANSI/UL Standard 844 | - | Luminaires for Use in Hazardous (Classified) Locations |
| ANSI/UL Standard 60079-15 | - | UL Standard for Safety Electrical Apparatus for Explosive Gas |
| Atmospheres Part Electrical Apparatus with Type of Protection “n” | | |
| ANSI/UL Standard 60079-0 | - | General Requirements |

MARKINGS

The equipment is marked with the following information on a Certified adhesive label or on a metal nameplate having a thickness not less than 0.5mm, secured by drive pins or screws engaging bottomed holes:

- Submitter’s name, catalogue number, Hazardous location rating designation, date code, the CSA Monogram and the following:
 - “Open circuit before re-lamping”.
 - Complete Electrical Ratings: Voltage, Amperes, Frequency and Wattage
 - Operating temperature or operating temperature code. See Tables 1, 2, 3 & 4.
 - Lamp Type.
- "CAUTION: To Prevent Ignition Of Hazardous Atmospheres, Disconnect The Fixture From The Supply Circuit and Remove Fixture From Hazardous Location Before Opening



Certificate: 1965619

Master Contract: 151933

Project: 2454726

Date Issued: September 8, 2011

- "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. Rated minimum ambient temperature 0°C

- "For Supply Connection, Use Wires Rated Per Tables 1, 2, 3 and 4

- "CAUTION: See Instruction Manual For Installation Operating and Maintenance Instructions."

- "May be marked Type 3, 4 and/or suitable for wet locations" "May also be marked IP66"

- 84W fixtures are provided with label stating "Re-lamp with Phillips Lamp P/N PL-T 42W/30/4P Only"(VE4Q only)