




Canadian Standards Association
Association canadienne de normalisation

CERTIFICATION RECORD

The company named below has been authorized by Canadian Standards Association to represent the products listed in this record as "CSA Certified" and to affix the CSA Mark -  - to these products according to the terms and conditions of the CSA Service Agreement.

NUMBR 096406X0000 August 25, 1993

CLASS 3428 03 (Re-examination Service)

MANUFACTURING ELECTRICAL DESIGN
CONSULTANTS LTD.

96406

T/A MEDC

Colliery Rd.

Pinxton

Nottingham NG16 6JF, England

LUMINAIRES - For Hazardous Locations

Class I Group D, CSA ENC 3/4:

- Series SM87 Range Beacons and Status Lights

Models SM87-XB and -HXB, rated 25W max;

SM87-LU1 rated 10W max (ac) 5W max dc; and

SM87-LU3 rated 48W max.

All rated 12, 24 and 48V dc, 110, 220, 254V ac 50/60Hz.

May be coupled together with a terminal box Model SM87-JB.

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Moncton ■ Montreal ■ Toronto ■ Winnipeg ■ Edmonton ■ Vancouver ■ Taiwan ■ Hong Kong

LEAD CARD

NUMBR CL3428X0003 January 21, 1991 (Replaces: March 6, 1987)

CLASS 3428 03

LUMINAIRES - For Hazardous Locations

CLASS 3428 03 (Re-examination Service)

COVERAGE:

Lighting fixtures for illumination purposes, designed specifically to prevent the ignition of gases, vapours, dusts or flyings in the surrounding atmosphere or dust or flyings on the luminaire. Any of the various types of light sources are used, such as incandescent, fluorescent, tungsten-halogen, high intensity discharge, etc.

The following abbreviations may be used in the listing of these products:

Light source (lamp):

inc - incandescent
fluor - fluorescent
MH - metal-halide
MV - mercury-vapour
TH - tungsten-halogen (includes quartz-iodine, QI)
LPS - low pressure sodium
HPS - high-pressure sodium

Lamp or lampholder base:

Mog - mogul
M - medium
Byt - bayonet
Pn - pin

Fluorescent lamp types:

PH - preheat
RS - rapid-start
HORS - high-output rapid start
SL - slimline
VHO - very high output (includes SHO - super high output and PGHO - power-groove high output)
IS - instant-start

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Letters following the lamp wattage denote the lamp type designation for incandescent lamps (eg. 60W A represents a 60 watt, Type A incandescent lamp).

REQUIREMENTS:

CSA Standard C22.2 No 0 - General Requirements - Canadian Electrical Code, Part II
CSA Standard C22.2 No 0.4 - Bonding and Grounding of Electrical Equipment (Protective Grounding)
CSA Standard C22.2 No 0.5 - Threaded Conduit Entries
CSA Standard C22.2 No 9 - Electric Lighting Fixtures
CSA Standard C22.2 No 137 - Electric Luminaires For Use in Hazardous Locations

The certified equipment appearing in this classification is judged to comply with the applicable requirements of the NFPA National Electrical Code (NEC), for use in hazardous locations.

- submittor's identification;
 - model designation or equivalent;
 - electrical rating, where applicable;
 - maximum lamp-wattage and lamp type caution where legible during lamp replacement, where applicable;
 - temperature code or equivalent, where applicable;
 - applicable hazardous locations Class, Group and sometimes Division.
- Equipment not marked to indicate a Division, or marked "Division 1" or "Div 1" is certified for both Divisions 1 and 2 locations. Equipment marked "Division 2" or "Div 2" is certified only for Division 2 locations;
- "FACTORY SEALED/SCELLE EN USINE", where applicable;
 - date code or equivalent, where accessible without the use of tools;
 - cautions, warnings and additional markings as may be required;
 - CSA Monogram.

In addition, equipment intended for display, sale or use in the USA, is required to include other information such as warning statements, installation instructions, etc., as may be specified in the NEC.

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