

APPROVAL REPORT

**FLUORESCENT LUMINAIRE
SERIES 6000 / 6008
FOR HAZARDOUS (CLASSIFIED) LOCATIONS
(Product Revisions)**

Prepared For:

**R. STAHL SCHALTGERÄTE GMBH
D-74653 Künzelsau
Germany**

**J.I. 3001980
(3619)
March 17, 2000**

FACTORY MUTUAL



1151 Boston-Providence Turnpike
P.O. Box 9102
Norwood, Massachusetts 02062

Fluorescent Luminaire for Emergency Lighting, Type 6008/abc-d

- a = Standard Mounting or Pole Mounting 5 or 8
- b = Lamps 2, 4, or 5 (18/20W, 36/40W, or 32W)
- c = Number of lamps 1 or 2
- d = Channel 8 or 9 (single or dual)

The luminaire can be operated from 120 V \pm 10%, 50-60 Hz or 230V -10% — 254 +6% 50-60 Hz

1.3 The products noted in paragraph 1.2 are also private labeled by R. STAHL SCHALTGERÄTE GMBH for Killark-Stahl, Inc. located in St. Louis, MO. When marked for Killark-Stahl, the Killark-Stahl logo replaces the Stahl logo as shown on the attached marking drawings. All other information remains the same.

1.4 Approval of the subject equipment is based on the applicable requirements of the following standards.

Title	Author-Number	Date
Electrical Equipment for use in Hazardous (Classified) Locations General Requirements	FM-3600	1998
Degrees of Protection Provided by Enclosures	IEC 60529	1989
Enclosures for Electrical Equipment	ANSI/NEMA 250	1991
Industrial Control Equipment	ANSI/UL-508	1989
Fluorescent Lighting Fixtures	ANSI/UL 1570	1995

1.5 Factory Mutual Research Approval of hazardous (classified) location electrical equipment is based on examination and tests of production model equipment and follow-up audit inspections of manufacturing facilities and quality control procedures.

1.6 As described by this report, the design and construction of these luminaires provide for the degree of protection against electrical shock, fire/explosion, and injury required for hazardous (classified) location apparatus.

1.7 This report supplements Approval Report J.I. No. 3D2A9.AE along with the subsequent revisions, all of which document the design and testing of the Series 6000 Luminaires.

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from

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I INTRODUCTION

1.1 R. STAHL SCHALTGERÄTE GMBH (manufacturer) requested continued Factory Mutual Research Approval of revisions to their Series 6000 Fluorescent Luminaire to 1) add alternate isolation switch 8080 to the currently Approved 8082, 2) add an alternate material and fabrication method for the translucent lens, 3) revise the base housing to accommodate additional cable and conduit entries, and 4) add the Series 6008 Emergency Lighting Luminaire. The luminaires remain suitable for Class I, Zone 1, Group IIC; Class II, Division 1, Groups E, F and G; and Class III, Division 1 indoor and outdoor (Type 3, 4, 4X, IP66) hazardous (classified) locations.

1.2 The specific models described by this report are identified as follows. Additions to the Listing are denoted by underline. Deletions are denoted by ~~strike-thru~~:

Fluorescent Luminaire. Type 6000/abc-8d

- a = Standard Mounting or Pole Mounting 5 or 8
- b = Lamps 2, 3, 4, 5, 6, or 7 (18/20W, 17W, 36/40W, 32W, 58/65W, or 40W)
- c = Number of lamps 1 or 2
- d = Channel 8 or 9 (single or dual)

The luminaire can be operated from 120 V $\pm 10\%$, 0-60 Hz or 230V -10% — 254 $+6\%$ 0-60 Hz

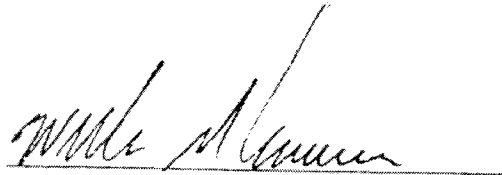
Factory Mutual Research
JOB IDENTIFICATION 3001980

TESTS AND EXAMINATION BY: - W. Berner (R STAHL)
 - H. Schnorr (R STAHL)
 - W. G. Lawrence (Factory Mutual Research)
 - C. D. Mace (Factory Mutual Research)
 - PTB Staff

ATTACHMENTS: -Label Drawing 60 001 08 00 0 (Rev 01)
 -Label Drawing 60 080 46 00 0 (Rev -)

ORIGINAL DATA: Project Data Record 3001980
 Project Data Record 3D2A9.AE

REPORT BY:



William G. Lawrence
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REPORT REVIEWED BY:



Roger P. Lutfy
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