



*Member of the FM Global Group*

**Examination Standard  
for  
Public Mode Visible Signaling  
Appliances for  
Automatic Fire Alarm  
Signaling**

**Class Number 3155**

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# Foreword

This standard is intended to verify that the products and services described will meet stated conditions of performance, safety and quality useful to the ends of property conservation. The purpose of this standard is to present the criteria for examination of various types of products and services.

Examination in accordance with this standard shall demonstrate compliance and verify that quality control in manufacturing shall ensure a consistent and reliable product.

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# 1 INTRODUCTION

## 1.1 Purpose

1.1.1 This standard states testing and certification requirements for public mode visible signaling appliances for automatic fire alarm signaling.

1.1.2 Testing and certification criteria may include, but are not limited to, performance requirements, marking requirements, examination of manufacturing facility(ies), audit of quality assurance procedures, and a surveillance program.

## 1.2 Scope

1.2.1 This standard describes performance requirements for public mode visible signaling appliances (hereafter referred to as appliances), such as high intensity strobes, used for automatic fire alarm signaling for the visible notification of indoor building occupants by the distribution of light by indirect visible signaling.

1.2.2 Certification criteria may include, but are not limited to, performance requirements, marking requirements, examination of manufacturing facility(ies), audit of quality assurance procedures, and a follow-up program. Evaluation for environmental or hazardous location ratings will require additional examination per other standards such as Examination Standard 3600 — *Electrical Equipment for Use in Hazardous (Classified) Locations*.

1.2.3 Other types of commercially available appliances (such as outdoor direct viewing strobes) may not be applicable to the test protocol described in this document.

1.2.4 These appliances are intended to be installed in accordance with the manufacturer's installation instructions and in accordance with ANSI/NFPA 72, *National Fire Alarm & Signaling Code* and in a manner acceptable to the local Authority Having Jurisdiction.

1.2.5 These requirements cover visual emergency-signaling devices (notification appliances), which can be used with or without audible emergency-signaling devices (notification appliances). These devices are to be used in accordance with the requirements of the ANSI/NFPA 72, *National Fire Alarm & Signaling Code*.

1.2.6 This standard evaluates visible signaling appliances for public mode operation. These appliances are designed to alert occupants or inhabitants within the protected area. The requirements in this standard do not cover appliances intended for private mode fire alarm signaling, lights intended for non-fire-alarm signaling applications, manual boxes, automatic fire detectors, or other initiating devices; nor do they cover audible notification appliances such as bells, horns and speakers.

## 1.3 Basis for Requirements

1.3.1 The requirements of this standard are based on experience, research and testing and/or the standards of other organizations. Advice of manufacturers, users, trade associations, jurisdictions and/or loss control specialists was also considered.

1.3.2 The requirements of this standard reflect tests and practices used to examine characteristics of electrically powered high intensity strobes for the purpose of obtaining certification. Appliances having characteristics not anticipated by this standard may be certified if performance equal, or superior, to that required by this standard is demonstrated.