

# Safety testing and certification for electric signs, components and sign retrofit kits



# Transforming to meet the next generation of electric sign safety

Since its first edition was published in 1917, UL 48, the Standard for Electric Signs, has been modified many times to align with the codes, norms and safety guidelines that have governed the design and manufacture of electric signs.

Now in its 15th edition, UL 48 covers electric signs and outline lighting systems intended to be installed in accordance with Article 600 of the National Electrical Code (NEC). The most recent edition was published by UL Standards & Engagement on Dec. 18, 2023 and includes revisions and clarifications on decorative materials, marking instructions, simplifications to class 2 circuit requirements and more.

## Scope of UL 48

The scope of UL 48 includes all signs (regardless of voltage) that are electrically operated or illuminated, regardless of the illumination technology.

Electric signs covered by these requirements are not only freestanding signs and those secured to the walls of structures, but also awning signs, mobile and trailer-mounted signs, electrically or mechanically animated signs, and changing message signs, including digital displays that can be interlinked to form very large screens and billboards.

Signs that are not covered under UL 48 include exit signs, signs for installation in hazardous locations (HazLoc) and non-electrical or externally illuminated signs.



# General coverage for electric signs

The UL Solutions General Coverage program for electric signs provides manufacturers extensive flexibility to design a wide range of signs without having to submit individual products for evaluation by the UL Solutions engineering staff.

General Coverage Sign certification can be provided for most types of custom-made signs including channel letters, box signs, awning signs, and portable signs. General Coverage

signs can also be certified for dry, damp or wet location installation. Signs too large to ship as one assembly can be certified as sections of a sign and assembled in the field.

Becoming a UL Solutions sign shop has never been easier. Using our simple online portal for submissions at [www.UL.com/signs](http://www.UL.com/signs), you can navigate from the application process to applying the UL Mark to your compliant signs in as little as a few days.



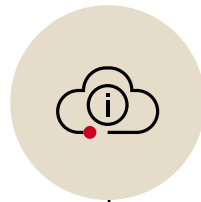
1

Contact UL Solutions  
Get started with a simple  
online form through our fast  
and easy general coverage  
online portal at [UL.com/signs](http://UL.com/signs)



2

Upon acceptance  
of the quote our quote  
and access to UL 48  
and the UL 48 FUII  
will be sent



3

myUL™ client portal  
access to see the latest  
information and documents  
about your projects  
and services



4

We'll help you arrange  
your Manufacturer's  
Technical Representative  
(MTR) training, orientation,  
and Initial Product  
Inspection (IPI)



5

Achieve sign certification  
and start your initial  
production. Your company  
will also now appear in  
UL Solutions Product iQ™ as a  
UL Solutions sign shop and  
don't worry, we'll remind you  
when it's time to re-order labels



# Electric signs and components

We offer comprehensive testing, certification and professional training in engineering best practices and regulatory standards to manufacturers of electric signs.

- UL 48, the Standard for Electric Signs
- UL 879, the Standard for Electric Sign Components

## California Title 24 regulation for electric signs

UL Solutions' combined Safety and Energy Efficiency Certification Mark for electric signs is a quick method to demonstrate compliance with the California Energy Commission (CEC) Title 24, Part 6, section 140.8 regulation for electric signs.

## Sign retrofit kits

We provide safety services for retrofit sign conversions consisting of subassemblies or kits intended for field installation in certified signs in accordance with the National Electrical Code, ANSI/NFPA 70. This Certification Mark is only authorized to appear on the kit's installation instructions.



# Why UL Solutions

For both simple and complex projects, partner with us for your sign safety and energy efficiency testing needs. As a widely recognized lighting and electrical equipment certifier in the U.S. and Canada, UL Solutions helps electric sign shops with testing, certification, and acceptance by authorities having jurisdiction (AHJs). The UL Mark, with its global recognition and widespread acceptance by code authorities, is a differentiator in the crowded signs market.

Our engineers have extensive lighting technical knowledge and are committed to partnering with our customers throughout the project, explaining the certification process and resolving any obstacles that may arise. As electric signs technology and systems grow in complexity, our knowledgeable engineering team is uniquely positioned to help you meet certification requirements.

- We have more than 100 years of technical leadership in the development and application of standards and code requirements for electric signs
- The UL Mark has earned strong recognition in the sign industry and is widely accepted by electrical inspectors and other regulatory authorities
- We offer energy efficiency certifications to comply with local jurisdictions
- We help you stay ahead of the curve on emerging standards requirements and regulations
- We offer a range of flexible training options to help sign shops of all sizes succeed

Contact your local UL Solutions  
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