Industry Standards for Display Cabinets



Overview

Retail Fixtures and Commercial Displays UL Solutions provides testing and certification for retail fixtures and commercial displays to check safety, perfor.

Key Takeaways

UL 970 is the primary industry standard for retail and commercial display cabinets, covering safety, construction, and performance requirements for both electrified and non-electrified units.

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L 970: Retail Fixtures and Merchandise DisplaysUL 970 is the consolidated standard that replaced UL 65 (Wired Cabinets) and UL 962 (Household and Commercial Furnishings), providing a unified framework for retail display cabinets, showcases, and temporary displays. Published in 2020, it addresses modern innovations such as embedded electronics, LED lighting, and motorized components. Key aspects include: Scope: Covers non-refrigerated or heated commercial displays, shelving units, merchandise kiosks, point-of-sale displays, motorized displays, wall systems, check-out stands, and temporary displays.

Electrical Requirements: Applies to products rated 600 V AC or less, including battery-powered units, and is intended for dry, damp, or wet locations. Safety and Construction: Ensures structural integrity, fire safety, and safe operation of electrified components, including compliance with the National Electrical Code (ANSI/NFPA 70) for electrical installations. Certification Benefits: Provides a single standard for manufacturers to streamline certification, access flexible construction programs, and utilize limited production programs for specialized displays.

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ANSI/UL 970 ComplianceANSI/UL 970, effective February 20, 2022, formalizes the requirements for commercial displays and temporary fixtures, ensuring manufacturers meet updated safety and performance criteria. Compliance includes testing for electrical safety, mechanical stability, and proper labeling.

Display Measurement Standards

For electronic display cabinets, the International Committee for Display Metrology (ICDM) provides the Information Display Measurements Standard (IDMS), which defines measurement procedures for display characteristics such as brightness, contrast, color accuracy, and uniformity.

While ICD

M does not set compliance values, it ensures consistent and reproducible measurement methods across display technologies, supporting quality control and performance verification.

Additional Considerations

Lighting and Energy Efficiency: Standards such as ANSI/IES RP-2-20 emphasize lighting quality and energy efficiency in retail displays, ensuring optimal product visibility while minimizing energy consumption. Temporary and Limited Production Displays: UL 970 includes provisions for temporary displays and limited production units, allowing flexibility in design while maintaining safety compliance. In summary, UL 970 and ANSI/UL 970 are the primary standards governing the safety, construction, and certification of display cabinets in retail and commercial environments, while ICDM/IDMS provides measurement standards for electronic display performance.

Manufacturers and retailers should adhere to these standards to ensure safety, regulatory compliance, and consistent display quality.

Article Content

Retail Fixtures and Commercial Displays

UL Solutions provides testing and certification for retail fixtures and commercial displays to check safety, performance and compliance with industry standards.

UL 970 Retail Fixtures and Merchandise Displays Standard

UL Standards have served as the industry benchmark for commercial displays since 1955. During this time, displays have undergone many innovations such as embedded computers, motion and LED

Retail Fixtures and Merchandise Displays Reference Guide

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The result is the creation of UL 970, the Standard for Retail Fixtures and Merchandise Displays, which was published in 2020 and provides updated requirements for commercial displays, showcases and

Technical Standards for Display Case Condensers: National and ...

This article explains the main national and international standards that apply to display cabinet condenser systems, how they differ by region, and which technical requirements most often influence

Mastering Import and Export Certifications for the Best Display

Navigating the certification process for importing and exporting display cabinets can be a bit of a maze, right? It''s super important to get a grasp on all the specific steps you need to take to

Industry Quality Standard Checklist

ANSI/KCMA A161.1 - This standard by the American National Standards Institute and Kitchen Cabinet Manufacturers Association provides performance and construction standards for kitchen and vanity

ISO 23953-2:2023 (en), Refrigerated display cabinets — Part 2 ...

This document specifies requirements for the performance of refrigerated display cabinets used in the sale and display of foodstuffs and construction characteristics impacting performance.

BS EN ISO 23953-2:2023 Refrigerated display cabinets Classification ...

This comprehensive document is your ultimate guide to understanding the classification, requirements, and test conditions for refrigerated display cabinets, ensuring you stay ahead in the

International standardisation: new standard on display

A new ISO (International Organization for Standardisation) standard relating to refrigerated cabinets was published in November 2023. It consists of

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Gartner provides actionable insights, guidance, and tools that enable faster, smarter decisions and stronger performance on an organization''s mission-critical priorities.

Display Cabinets Guide: Types, Features, Selection

Explore our in-depth display cabinets guide covering types, essential features, selection tips, maintenance, and future trends of this must-have storage

Ensuring Quality and Compliance in the Best Glass Display Cabinet ...

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The Importance of Glass Quality: Analyzing Standards in Display Cabinet Manufacturing When it comes to furniture design, glass display cabinets really stand out, right? At Liaoning Puyi

Refrigerated cabinets

Overview Commercial refrigeration covered by the Greenhouse and Energy Minimum Standards Act 2012 includes various refrigerated cabinets used in the retail and hospitality sectors. These include

Wired_Cabinets_Retail_Store_Displays FINAL

Wired Cabinets and Commercial Retail Store Displays – What''s the Diference? Part 1 – Wired Cabinets By Bruce Bohren / Primary Designated Engineer, Furniture & Furnishings There is a wide variety of

Keep up with IEC control cabinet standards

The basic safety standards IEC 60204-1 for electrical equipment in machines and IEC 61439 for low-voltage switchgear assemblies are essential for electrical designers and manufacturers of control

Key Standards for Electrical Cabinet Wiring Practices

Discover the key standards for industrial electrical cabinet wiring, including wiring diagrams, circuit breakers, and safety practices with Groupe BEI.

A161.1 Quality Certification

Establishes the A161.1 standard, the primary benchmark for cabinet quality, to ensure consumers and specifiers of product durability and performance.

Ultimate Display Cabinets Buying Guide | LuxeDecor

Find the perfect display cabinet with LuxeDecor''s buying guide. Explore top brands, materials, storage options, lighting, and maintenance tips to showcase your items in style.

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