

UNDERWRITERS LABORATORIES INC. CERTIFICATION REQUIREMENT DECISION

This Certification Requirement Decision is prepared by UL LLC. It is normative for the applicable UL Product Certification Program(s); however, it is currently not part of the UL Standard(s) referenced below.

Product Category (CCN): IFAR

Standard Number: UL 1598C

Standard Title: Standard for Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits

Edition Date: January 16, 2014

Edition Number: 1

Section / Paragraph Reference: 1.6, 1.8, Supplement SB

Subject: LED Stage and Studio Luminaire Retrofit Kits

DECISION:

1.6 This standard does not cover retrofit luminaire conversion kits for amateur movie lights; aquarium lights, cabinet lights, decorative lighting strings, combination fan/IR lamps used for heating, electric signs, exit signs, junction boxes for swimming pool fixtures, lamp adapters, low-level path marking and lighting systems, low-voltage landscape lighting, low voltage lighting fixtures for use in recreational vehicles, low voltage marine lighting, luminaires for hazardous locations, luminaires for recreational vehicles, marine navigational lights, portable electric displays, portable hand lamps, portable luminaires, portable sun/heat lamps, self-ballasted lamps and lamp adapters, ~~stage and studio luminaires~~, submersible luminaires, swimming pool luminaires, temporary lighting strings, therapeutic lamps, track lighting systems, under-cabinet lights and cord-connected under-cabinet lights, and unit equipment for emergency lighting.

1.8 Additional requirements for LED retrofit luminaire conversion kits intended for stage and studio luminaires are in Supplement SB.

SUPPLEMENT SB - ADDITIONAL REQUIREMENTS FOR LED RETROFIT CONVERSION KITS FOR STAGE AND STUDIO LUMINAIRES

SB1 Scope

SB1.1 These requirements apply to retrofit kits intended for specific models or model families of stage and studio luminaires covered by the scope of the Standard for Stage and Studio Luminaires and Connector Strips, UL 1573.

SB1.2 Applications excluded from the scope of the Standard for Stage and Studio Luminaires and Connector Strips, UL 1573, are also excluded from the scope of this supplement.

SB1.3 All requirements in the main body of this standard also apply to these retrofit kits unless specifically superseded by a requirement in this supplement.

SB2 Glossary

SB2.1 STAGE AND STUDIO LUMINAIRE - A luminaire rated 600 volts or less for use in theaters, studios, and similar locations in accordance with Articles 520 and 530 of the National Electrical Code, NFPA 70.

SB3 General Requirements

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SB3.1 Retrofit kits shall be constructed such that, after their installation, converted stage and studio luminaires continue to comply with all applicable construction and test requirements in the Standard for Stage and Studio Luminaires and Connector Strips, UL 1573. This requirement supersedes clauses 6.1, 7.1, 9.1, 10.1 and 12.2.

SB3.2 If a retrofit kit requires modifying the luminaire in a way that could negatively affect its test performance (i.e.: adding openings, modifying gaskets, new or modified electrical components, etc.) then the appropriate tests from the Standard for Stage and Studio Luminaires and Connector Strips, UL 1573 shall be conducted on the converted luminaire.

SB3.3 A luminaire shall not be modified such that it draws more current or power than its original construction.

SB3.4 When applying Clause 15:

a) Compliance shall be determined using the Standard for Stage and Studio Luminaires and Connector Strips, UL 1573; and

b) Clause 15.3 does not apply since this supplement only addresses conversions of specific luminaire models or model families.

SB4 Additional Markings and Instructions

SB4.1 Retrofit kits shall be provided with instructions identifying the manufacturer and model designation(s) of the stage and studio luminaires for which they are intended.

RATIONALE FOR DECISION:

This expands the scope of UL 1598C to include LED retrofit kits intended for stage and studio luminaires certified under the Standard for Stage and Studio Luminaires and Connector Strips, UL 1573. Stage and studio luminaires utilizing retrofit kits certified to these requirements will continue to comply with UL 1573 while incorporating the additional marking and installation instruction safeguards currently required by UL 1598C.

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