



SafeLite[®] Patent / U.S. Patent Registration No. 7,627,999 B2
(Fire, sound blocking and energy savings performance)

Fire - Maintains fire rated ceiling assembly integrity, as shown in UL suspended and drywall ceilings listings. Penetrations such as recessed light fixtures and speakers must be protected. As shown in UL Listings, SafeLite offers proven fire protection with up to 3 hour fire ratings for a variety of construction assemblies.

Sound Blocking - UL Listed SafeLite enclosures offer documented acoustical performance greatly improving speech privacy and reducing unwanted sound transmission. This performance is critical for sound proofing efforts. Applications include: education, apartments, condominiums, retail etc.

Energy Savings - SafeLite has an effective R value of 5.25 at 75° F that conserves energy during heating and cooling seasons thereby reducing green house gas and carbon emissions.

Marine - SafeLite has US Coast Guard approval for thermal and acoustical application under certifications 164.109/11, 164.112/144 and 145.

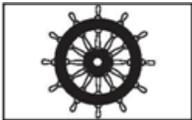
SafeLite is available to accommodate a variety of florescent light fixture sizes: 24" x 24", 12" x 48", 24" x 48", 20" x 60" as well as recessed can or high hat style fixtures to satisfy ceiling assembly designs specified in UL listings and required by Building Code.

SafeLite is fabricated from high temperature, noncombustible, rigid mineral fiber board (Covers are supplied at 1-1/4" thick foil faced on one side for enhanced durability. Panels are custom cut and grooved to effortlessly fold into a standard box enclosure to accommodate specific light fixture dimensions and maintain a fixture air space (custom cut enclosures are also available). Florescent light covers are supplied with insulation pins and locking washer to maintain clearance and secure the cover to the fixture. Pre cut end caps are provided with new improved securing pins.



Additional SafeLite Benefits Include:

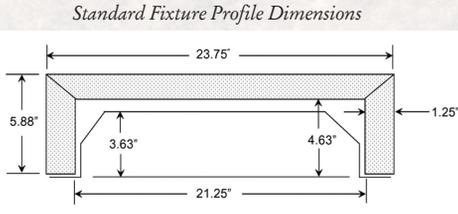
- The lightweight (~7 pounds for a 2' x 2' light fixture) construction is a quick and easy to install saving considerable labor time and expense.
- The use of fixture securing and enclosure fasteners provides a durable system that stays in place.
- The rigid board enclosure and new fasteners offer improved durability compared to traditional field constructed enclosures.
- Covers slit easily to accommodate light fixture power cable and fixture or ceiling suspension wires, reducing labor costs for installation.
- Standoff insulation pins maintain air space requirements.
- SafeLite insulation board is made from natural materials having a recycled content of up to 90% and contributes to LEED credits.



SafeLite® ORDER FORM

		DATE
COMPANY	CONTACT	PHONE
PROJECT NAME & LOCATION		DATE REQUIRED
SHIP TO LOCATION		P.O. NUMBER

STANDARD FLUORESCENT LIGHT FIXTURE QUANTITY		CANS AND NON STANDARD FLUORESCENT FIXTURE			
2'x4'	2'x2'	Required Inside Cover Dimensions			Quantity
		L"	W"	H"	N.A.



Notes:

- When ordering can light or non standard fluorescent covers provide accurate fixture dimensions. Include specific manufacturer required air space clearance for non IC rated lights to ensure correct *SafeLite* sizing.
- All covers are produced as 5 sided unless specified otherwise.
- Typical lead time 7-10 days ARO.
- It is the installer's responsibility to review specific U.L. ceiling design and prepare any vent opening.

SafeLite (mineral wool board, faced) Physical Properties:

Maximum service temperature 1200°F
 Melt point > 2000° F

Thermal Resistance:

ASTM C 518 (C177) R value/inch @ 75° F 4.2 (R value 5.25 @ 1-1/4" thick)

Fire Performance:

ASTM E 136 Behavior of Materials at 750° C (1382 °F) Non-Combustible
 ASTM E 84 Surface Burning Characteristics Flame Spread 25
 Smoke Developed 0

SafeLite covers are fabricated from Thermafiber material which is approved for use by the New York City Dept of Buildings, Report of Materials and Equipment Acceptance Division under MEA 210-82-M Vol. 2.

Acoustical Performance:

ASTM C 423 NRC = 1.00 at 2" thick

ASTM E 1414 CAC- Two Room Transmission Loss, AL 20 (TM 418)

- A high performance ceiling no light fixtures, CAC 44.
- The same ceiling with 2-2x4 light fixtures, CAC 41.
- The same ceiling with *SafeLite* on the 2x4 light fixtures, CAC 45 (A 4db improvement over unprotected lights).

Note: A 3db (decibel) change sounds half as loud as the original noise.

SafeLite is classified by Underwriters Laboratories, Inc. for use in the fire rated floor and roof-ceiling designs listed below-

Floor-Ceiling Designs: Design Nos. D010, D216, D219, G230, G234, G258, G523, G526, J202 and L006
 Roof-Ceiling Designs: Design Nos. P207, P228, P230, P237 and P267



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Jan. 2014 - Form SafeLite

Disclaimer and Limitation of Warranty. The purchaser/user is advised to consult with the appropriate professionals and to read the manufacturer's product information to determine the adequacy or appropriateness of the product for the use intended. Winroc-SPI makes no claim or representation regarding the use or applicability of the products. Further, Winroc-SPI makes no warranty, expressed or implied, and disclaims all warranties including warranties of merchantability and fitness for a particular purpose.



For additional *SafeLite* information please visit
www.winrocspi.com

Please ask your Sales Representative about
 our other fabrication products and services.