

Project	
Type	
Date	
Product Code	
Approved by	

SAF 2X2 - Superseal Alpha Flanged - Cleanroom

Recessed Premium Flanged Cleanroom Luminaire
T5, T5HO, T8, T8U2, T8U6, and PLL Lamps
Suitable for ISO Class 4 - 8 Cleanrooms

Cleanroom

Product Specifications - Application

The SAF series by Certolux is a specification-grade, recessed flanged IP65, IP66 luminaire, for ISO Class 4 Cleanrooms. Available in 2x2 configurations. For use in hazardous locations (Class 1 / Zone 2, Class 2 / Zone 2) (consult ordering key for configurations). NSF/ANSI 2 Food Zone Non-contact and Splash Zone Applications.



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Product Specifications

Housing

Precision formed, TIG welded, one piece 18 gauge cold rolled steel housing. Housing has integrally formed ribs surrounding plenum access cover opening in order to ensure integrity of seal. Welded studs are used in order to mount components, offering superior performance over PEM style fasteners.

Mounting

Swing arm mounting brackets, with vertical adjustability, are used to mount the fixture against the ceiling. Brackets provide an improved continuous seal to plenum eliminating fixture distortion.

Reflector

Optional VF1 reflectors are available which are made of specular anodized aluminum with a minimum reflectivity of 95% (see product ordering guide).

Door Frame

One piece 60° beveled perimeter door frame, fabricated from 18 gauge, cold rolled steel with TIG welded corners. The door assembly is self centering by means of locating studs. It is retained by stainless steel aircraft cable when opened. Specialized, military grade, flat head, stainless steel, captive fasteners with integral silicone o-rings easily secure door frame to housing through use of floating cage nuts. Silicone o-rings offer superior performance and longer life over comparable teflon bushings. Protective stops prevent the fasteners from being over-tightened and bending the lens door frame. Custom shaped, extruded closed cell silicone gasketing is used throughout to ensure precise, redundant seals between door assembly, housing and plenum. Vulcanized corners ensure continuity of the seal on the frame gasket. Continuous retention-mounts mechanically secure and evenly distribute force against both gasketing and diffuser.

Lens and Lens Retention

The standard lens assembly is made with a tempered safety glass sealed to the lens frame with a non-silicone sealant together with an overlay of a pattern #12 acrylic lens, mechanically secured.

Finish

The luminaire is in a polyester powder painted white finish.

Approvals

Approved to CSA and UL standards. For hazardous locations (consult ordering key for configurations).



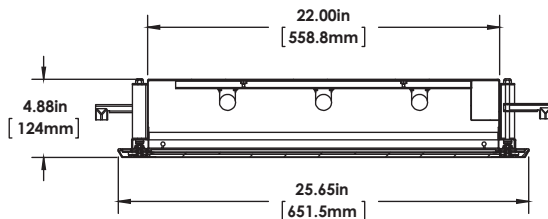
Electrical

All electrical components are CSA or UL approved. See product ordering guide for optional ballasts. Sufficient knockouts are provided for connections and through wiring.

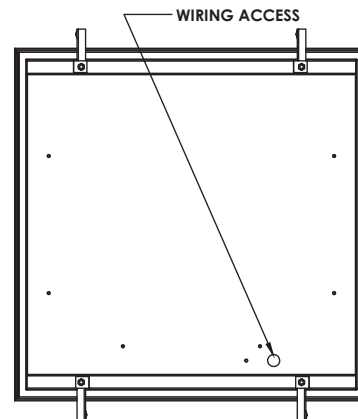
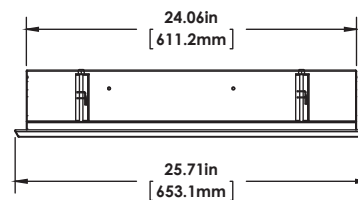
Photometrics

Efficiency of Cat No SAF2X44LT832 = 69.4% for additional photometric information visit www.certolux.com

Dimensions



CROSS SECTION



TOP VIEW

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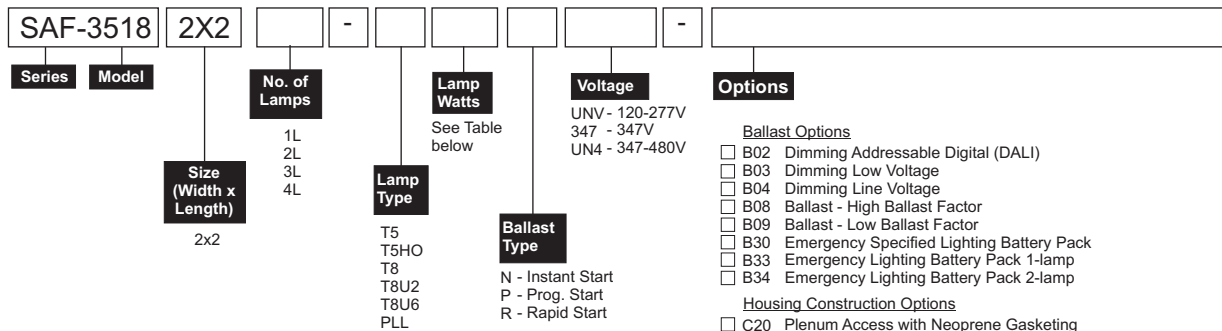
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Ordering



Model Numbers relate to specific designs, refer to product photo and Dimension sections for additional details.

Lamp Watts

Size	Nom. Lamp Watts					
	T5	T5HO	T8	T8U2	T8U6	PLL/Biax
2x2	14 (2, 3 or 4 lamps)	24 (2, 3 or 4 lamps)	17 (2, 3 or 4 lamps)	31 (2, or 4 lamps)	32 (1 or 2 lamps)	40, 50, 55 (2 or 3 lamps)

Other options may be available consult factory.
 Specifications and data subject to change without notice

