

VSAFR Cleanroom Recessed Flanged Top Access Luminaire



Application: The Vyv VSAFR Cleanroom Recessed Flanged Top Access Luminaire is a rear access IP65, IP66, IC-rated luminaire, for ISO Class 4 Cleanrooms. Ideal for Pharmaceutical manufacturing, Food Processing, Life Sciences and laboratories. NSF/ANSI 2 Food Zone Non-contact and Splash Zone Applications. For use in Wet Locations, Insulated Ceilings.

Mode Switching: Use 'Antimicrobial+Light Mode' when both continuous antimicrobial action and illumination are needed and 'Enhanced Antimicrobial Mode,' which emits a higher dosage of Vyv's antimicrobial wavelengths, as an antimicrobial cleaning mode for when full illumination is not required. See installation instructions (INS-465) for wiring details.

Product Specifications

Door Frame: One piece 60° beveled perimeter fabricated from 18 gauge, cold rolled steel with TIG welded corners. The door assembly is self-centering by locating studs 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 floating cage nuts. Protective stops prevent fasteners from over-tightening 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 the continuity of the seal on the frame gasket. Continuous retention mounts mechanically secure and evenly distribute force against gasketing and diffuser.

Housing: Precision formed, TIG welded, one piece 18 gauge cold rolled steel housing.

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.

Lens: Standard lens is high impact 0.125" thick acrylic lens with diffuse inner layer providing symmetric distribution. Smooth external surface for easy cleaning. Sealed to doorframe with RTV silicone sealant.

Electrical: Long life LED's coupled with high efficiency drivers provide quality illumination. The standard driver has a THD of <10%. Standard low-voltage dimming (0-10v, 1%). All electrical components are CSA or UL approved.

LED: Patented Vyv LED package. The range of CCT (correlated color temperature) follows the color uniformity guidelines of the American National Standard regarding specifications for the chromaticity of solid-state lighting (SSL) products as per ANSI C78.377-2017.

Finish: Antimicrobial gloss white, polyester powder painted housing.

Approvals: Approved to CSA and UL standards. UL listed for wet locations, insulated ceilings. EPA Est. 94831-CAN-1. Covered by one or more of the following U.S. Patent Numbers: 9,333,274; 9,439,989; 9,713,223; 9,927,097; 10,357,582; 10,753,575



Ordering

Project: _____ Date: _____
 Luminaire Type: _____ Approved By: _____
 Product Code: _____

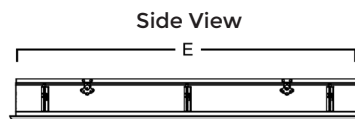
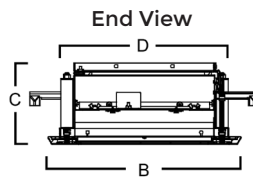
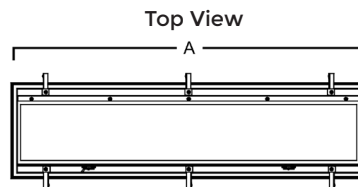
Series	Size	CRI	CCT	Lumens	Voltage	Features	Finish
VSAFR		80			UNV		ABF
	14 1'x4'	80 80 CRI	30 3000K	1'x4'	UNV 120-277V	N Dual Mode (Antimicrobial+Light Mode & Enhanced Antimicrobial Mode) W Antimicrobial +Light Mode	ABF Gloss White Antimicrobial
	22 2'x2'		35 3500K	05 5,000lm			
	24 2'x4'		40 4000K	05 5,000lm			
				10 10,000lm			

Options	
Driver	
EBP	Emergency Lighting Battery Pack
Lens	
L13	0.125" Prismatic Acrylic (Pattern #12, Inverted)
Accessories	
M38	Install Frame (Plaster Ceilings)
M62	Mounting Swing Arm for 4" Deep Ceiling (Flanged Applications)
Approvals	
X5	NSF Food Zone-Non-contact
Door	
D3	304 SS #4 Polish
D9	316 SS #4 Polish
D10	Aluminium .063 Painted
D17	304 SS Painted
D18	316 SS Painted
Housing	
C38	Aluminum .050 Painted
C44	SS #304 Painted
Finish	
C77	White Stainless Steel Door Screws

Dimensions

Consult installation instructions for exact dimensions.

Size	A	B	C	D	E
1'x4'	49.7"	13.7"	5.7"	12"	48"
2'x2'	25.7"	25.7"	5.7"	24"	24"
2'x4'	49.7"	25.7"	5.7"	24"	48"



Performance

Size	Lumens	CRI	Watts
1'x4'	5,000	80	85
2'x2'	5,000	80	85
2'x4'	10,000	80	170

Electrical

Input Frequency	50/60Hz
Power Factor	>.9
Control	On/Off via standard light switch Antimicrobial+Light Mode to Enhanced Antimicrobial Mode (optional) via low voltage switch or controls.

Vyv will work with your facility to customize a design for lighting and antimicrobial action. Vyv, Inc. reserves the right to upgrade and improve products without notice.

SPECIFICATIONS AND DATA SUBJECT TO CHANGE WITHOUT NOTICE

Updated February 28, 2023