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

c(UL)us LISTED | NSF | IP 65 | IP 66 | ISO 4 | WET LOC

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	ABF	Gloss White Antimicrobial
	22	2'x2'			35	3500K	05	5,000lm				(Antimicrobial+Light Mode & Enhanced Antimicrobial Mode)		
	24	2'x4'			40	4000K	**2'x2'**							
							05	5,000lm			W	Antimicrobial +Light Mode		
							2'x4'							
							10	10,000lm						

Options

Driver
EBP — Emergency Lighting Battery Pack (10W)*

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)

Approval
X5 — NSF Food Zone-Non-contact

Door
D3 — 304 SS #4 Polish
D9 — 316 SS #4 Polish
D10 — Aluminum .063 Painted
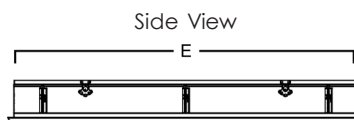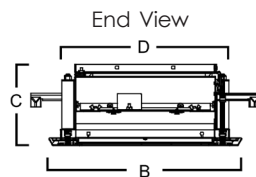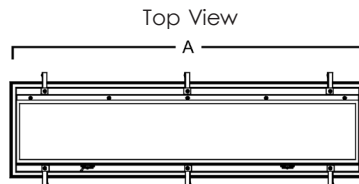D17 — 304 SS Painted
D18 — 316 SS Painted

Housing
C38 — Aluminum .050 Painted
C44 — SS #304 Painted

Finish
C77 — White Stainless Steel Door Screws

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.

*Battery Pack may be mounted external to the fixture on some models – consult factory for details

Top View
A

End View
D
C
B

Side View
E

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.

SPECIFICATIONS AND DATA SUBJECT TO CHANGE WITHOUT NOTICE

Updated January 23, 2024