

VSV Vapor Proof Luminaire



Application: The Vyv VSV Vapor Proof Luminaire is a specification-grade vapor proof luminaire for Cleanroom and other adverse environment applications. The luminaire can be surface or suspended (chain or cable) mounted and is IP65/IP66/IP67 certified, NEMA 4X rated. For use in Hazardous Locations, consult product code.

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-407) for wiring details.

Product Specifications

Housing: Lightweight, impact-resistant glass reinforced polyester housing. Holes on each end are 21mm (.825") nominal diameter and are provided with two EPDM rubber caps.

Mounting: Stainless steel mounting brackets allow for hole free surface mounting of the housing. Mounting brackets snap onto the housing at multiple places. Bail attachment comes standard to allow for chain or cable mounting (by others).

Finish: The internal component are polyester powder painted white finish and offers a high reflectivity coating for improved lighting performance and efficiency.

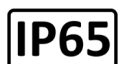
Lens: Deep molded high impact acrylic frosted smooth lens is standard. Other lens options available (see product code). The lens is held in place with plastic latches (optional stainless steel available, see product code).

Gasket: Poured in place gasket provides a continuous seal between the lens and housing.

Electrical: Long life LED's coupled with high efficiency drivers provide quality illumination. The standard driver comes standard with 0-10v dimming and has a THD of <10%. All electrical components are 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.

Approvals: Approved to UL Standards. Wet locations, IP65/IP66/IP67, housing is NSF component listed. For use in Hazardous Locations. Class I Zone 2, Zone 22. Consult product code for HazLoc options and Temperature Codes. NEMA 4X rated. 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	Options
VSV		80			UNV		
	24 24"	80 80 CRI	30 3000K	24"	UNV 120-277V	N Dual Mode	Driver
	48 48"		35 3500K	02 2,000lm		(Antimicrobial+Light Mode & Enhanced Antimicrobial Mode)	EBP* Emergency Lighting Battery Pack (10W)
	24 2'x4'		40 4000K	48"		W Antimicrobial +Light Mode	Lens
				04 4,000lm			L69 Shallow Molded Lens High Impact Acrylic Frosted Linear Ribbed
				96"			L83 Shallow Molded Lens High Impact Acrylic Frosted Smooth
				08 8,000lm			L85 Shallow Molded Lens Polycarbonate Frosted Smooth
							L86 Shallow Molded Lens Polycarbonate Clear Smooth

Performance

Size	Mode	Lumens	CRI	Watts
24"	Antimicrobial+Light	2,000	80	40
24"	Enhanced Antimicrobial	N/A	N/A	35
48"	Antimicrobial+Light	4,000	80	80
48"	Enhanced Antimicrobial	N/A	N/A	70
96"	Antimicrobial+Light	8,000	80	160
96"	Enhanced Antimicrobial	N/A	N/A	140

* Emergency battery pack is not available with VSV-24 or Haz Loc (XH)

** 1% dimming not available with Hazardous Location Luminaires. Supplied with 2pc. of HAZLOC 1/2" Hubs and 1pc. of 1/2" Thread Plug. Cord not available.

Operation limited to ambient temperature ≤35 °C.

Wiring

B2 Liquid Tight Strain Relief (Not for XH)

Packaging

S1 Pack Bulk/Pallet Packed and/or Wrapped

Housing

C1 Tamper Resistant Fasteners

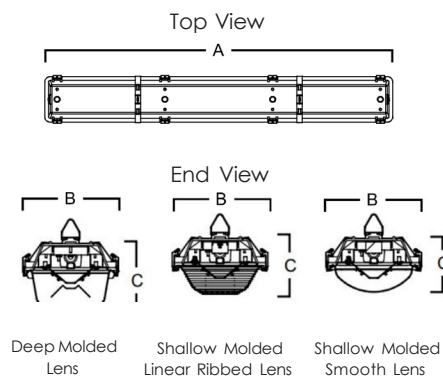
C2 Latches Stainless Steel

Approval

XH** Class I Zone 2 Groups IIC, IIB + H2, IIA Zone 22 Groups IIB, IIA (Class I Div 2 Groups A,B,C,D Class II Div 2 Groups F,G Class III) T3C or T4

Dimensions

Size	A	B	C		
			Deep Molded	Shallow Molded Linear Ribbed	Shallow Molded Smooth
24"	6.75"	5.6"	4.2"	3.9"	
48"	6.75"	5.6"	4.2"	3.9"	
96"	6.75"	5.6"	4.2"	3.9"	



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 January 24, 2024