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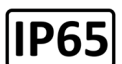
Lens: Deep molded high impact acrylic frosted smooth lens is standard. Other lens options available (see product code). The lens is held in place with plastic latches (optional stainless steel available, see product code).

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

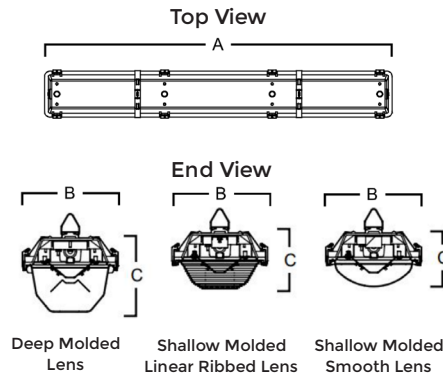c(UL)us LISTED   IP65

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 (Antimicrobial+Light Mode & Enhanced Antimicrobial Mode)	
	48 48"				**35** 3500K		**02** 2,000lm					
	96 96"				**40** 4000K		**48"**				**W** Antimicrobial +Light Mode	
							04 4,000lm					
							96"					
							08 8,000lm					

Driver
EBP* Emergency Lighting Battery Pack

Lens
L69 Shallow Molded Lens High Impact Acrylic Frosted Linear Ribbed
L83 Shallow Molded Lens High Impact Acrylic Frosted Smooth
L85 Shallow Molded Lens Polycarbonate Frosted Smooth
L86 Shallow Molded Lens Polycarbonate Clear Smooth

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

Approved
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

Consult installation instructions for exact 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"

Top View
A

End View

B   B   B

Deep Molded Lens | Shallow Molded Linear Ribbed Lens | Shallow Molded Smooth Lens

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

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.**

Emergency battery packs have limited operating temperatures. Consult factory.

* 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.

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 August 25, 2022