



LIGHTING

UTILITY LIGHT – INTRODUCTION



V SERIES LED

FEATURES-SPECIFICATIONS

Introduction

Killark 'VSL' Series LED fixtures are designed for installations where moisture, dirt, dust, corrosion and vibration may be present, or NEMA 3 and 4 areas where wind, water, snow or high ambients can be expected. VSL's are sized to replace "Utility" type fixtures (incandescent or CFL's) in hallways, closets, elevator pits, docks, stairwells, access tunnels, and mechanical rooms. These fixtures can be used in locations made hazardous by the presence of flammable vapors or gases or combustible dusts as defined by the NEC. Typical applications include manufacturing plants, and certain chemical and petrochemical processing facilities, sewage treatment plants, off-shore and dockside installations, and garage areas.

LED Luminaire Features and Standards

- Compact in Size with Traditional Industrial Appearance and Suitability
- Wide variety of optics including glass globes (clear and tempered, color) plus polycarbonate globes in clear and colors
- Optional Mounting arrangements including Pendant, Wall, Ceiling, Stanchion and Adapters
- Fixtures available unit packed, order option CP
- VSL LED Housings can be retrofitted to existing V Series splice boxes; upgrade from CFL or incandescent
- Energy Savings – less than 13 Watts of Power; less than 16 Watts for VSL1630. Replaces 75W or higher incandescent
- Long Life – 60,500+ maintenance-free hours to 70% initial lumens
- Crisp White Light for Excellent Color Rendering – Chromaticity 5000°K (CCT); 70 CRI

- Integral driver – maintains fixture's compact profile to fit in existing spaces
- Ambient suitability -40°C to 55°C
- Instant on – including after power interruption
- "World Voltage" 120-277VAC 50/60Hz
- Solder-LESS LED Board Connections – Vibration Resistant
- LM80-08* Measurement of lumen maintenance for LED light sources
- LM79-08* Certified "Absolute" Photometry, including Chromaticity Color for Solid State Lighting
- TM-21* method to project long term lumen maintenance
- L70 Values – Industry Nomenclature for Hours of use to 70% of Initial Lumens

Compliances

- UL-8750 for LED lighting
- UL 1598 standard for luminaires
- UL-844 Standard for lighting fixtures for hazardous locations, Class I, Division 2; Class II, Division 2; Class III, Division 2
- CSA C22.2 no. 137-M1981 electric luminaires for use in hazardous locations
- Enclosed and gasketed
- NEMA 3, 4

Materials, Weights

- Body, splice box and guards are corrosion resistant copper-free aluminum alloy
- Baked powder epoxy/polyester finish, electrostatically applied for complete, uniform corrosion protection
- Reflectors – Polypropylene for pendant or ceiling applications
- Heavy-duty silicone gasketing for NEMA 4 requirements

Class I, Div. 2, Groups A,B,C,D
 Class I, Zone 2, Groups IIC,IIB,IIA
 Class II, Div. 2, Groups F,G^①
 Class III
 Suitable for wet locations
 Enclosure Type 4^②

Certified - File LR11713

Optic Selection Examples

- Broadest **COLOR** globe offering for Hazardous Locations in the industry
- Use as status lights or specialty/emergency indicators



* LM-xx & TM-21 are Illumination Engineering Society Standards designed to promote uniformity in testing procedures among test labs and manufacturers. For more information go to www.ies.org

① When mounted (globe down) to V series boxes; not Class II, Div. 2 or NEMA 4 on VBA, VFPS, VB or VFL adaptors to sheet metal boxes.

② Glass globe models to 55°C; Polycarbonate suitable to 40°C.



UTILITY LIGHT – CATALOG LOGIC



Class I, Div. 2, Groups A,B,C,D
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Clear Glass w/Guard White Glass w/ Guard Blue Glass Clear Polycarbonate Red Polycarbonate

V SERIES LED Catalog Number Logic

- VSL Series Constant**
 1
Lamp Wattage
 13 = 13W LED
 16 = 16W LED
Voltage
 30 – 120-277VAC (13W, 16W)
 27 – 12-24VDC (13W, 16W)
 34 – 120-250VDC (13W)
Mounting Type
 NN – Mounr Ordered Separately
 A1 – 1/2" Pendant (VGA-1)
 A2 – 3/4" Pendant (VGA-2)
 F1 – 1/2" Ceiling w/Feet & Adapter (VBC-1 w/VBA)
 F2 – 3/4" Ceiling w/Feet & Adapter (VBC-2 w/VBA)
 X1 – 1/2" Ceiling (VGX-1)
 X2 – 3/4" Ceiling (VGX-2)
 C1 – 1/2" Ceiling (VGC-1)
 C2 – 3/4" Ceiling (VGC-2)
 H1 – 1/2" Ceiling Dead End (VGH-1)
 H2 – 3/4" Ceiling Dead End (VGH-2)
 D1 – 1/2" Ceiling Deep (VXA-1)
 D2 – 3/4" Ceiling Deep (VXA-2)
 D4 – 1-1/4" Stanchion (VD-4)
 RA – Round (Box) Adapter (VBA)
 SA – Square (Box) Adapter (VFPS)
 W1 – 1/2" Wall w/Feet (VBC-1 w/VB-1)
 W2 – 3/4" Wall w/Feet (VBC-2 w/VB-2)
 V1 – 1/2" Wall Elbow (VB-1)
 V2 – 3/4" Wall Elbow (VB-2)
 FL – Elbow for "V" Box (VFL)

- S** – Standard Reflector (Pendant or Ceiling Use Only)^②
CP – Component Pack^③
Optic Color (Optic Type)
 A – Amber (S, H, P)
 B – Blue (S, H)
 R – Red (S, H, P)
 G – Green (S, P)
 P – Purple (S)
 BG – Blue Green (S, H)
 W – White (S)
Guard
 G – Guard (For Glass Globes Only)
 N – No Guard (Standard on Polycarbonate Globes)
 R – Guard Red (For Glass Globes Only)
 Can Signify Emergency UPS Circuits
Optics**
 S – Standard Globe (Clear)
 H – Heat Resistant (Tempered) Globe (Clear)
 P – Polycarbonate (Clear)



COLORED GLOBE OPTIONS EXAMPLE VSL1330A1SG-A**

SUFFIX AND AVAILABLE COMBINATIONS			
COLOR NUMBER	STANDARD GLOBE	TEMPERED GLOBE	POLYCARBONATE
AMBER	A	A	A
BLUE	B	B	—
RUBY	R	R	R
GREEN	G	—	G
PURPLE	P	—	—
BLUE-GREEN	BG	BG	—
WHITE	W	W	W



** Use tempered glass or poly globe for wet location applications.
^① When mounted (globe down) to V series boxes; not Class II, Div.2 or NEMA 4 on VBA, VFPS, VB or VFL adaptors to sheet metal boxes.
^② Reflector is held on fixture body by VAG-100 guard for glass globe models or polycarbonate globe's shoulder. Reflectors ship separately.
^③ CP option includes complete fixture in components contained in single outer carton.

LIGHTING

VSL SERIES



UTILITY LIGHT – ORDERING INFORMATION



Class I, Div. 2, Groups A,B,C,D
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ORDERING INFORMATION

WALL MOUNT WITH FEET USING VBC SPLICE BOX AND VB ELBOW 4 – HUBS						
LED	WATTS	VOLTAGE	HUB SIZE	FIXTURE W/ STANDARD CLEAR GLASS GLOBE & GUARD**	FIXTURE W/ TEMPERED CLEAR GLASS GLOBE & GUARD**	FIXTURE W/ CLEAR POLYCARBONATE GLOBE**
VSL1330	13	120-277VAC	1/2"	VSL1330W1SG	VSL1330W1HG	VSL1330W1PN
			3/4"	VSL1330W2SG	VSL1330W2HG	VSL1330W2PN
VSL1630	16	120-277VAC	1/2"	VSL1630W1SG	VSL1630W1HG	VSL1630W1PN
			3/4"	VSL1630W2SG	VSL1630W2HG	VSL1630W2PN



Glass Globe



Poly Globe



Glass Globe



Poly Globe

WALL MOUNT WITH VB ELBOW TO MOUNT TO 4" OUTLET BOX 0 – HUBS ^①						
LED	WATTS	VOLTAGE	NECK HUB SIZE	FIXTURE W/ STANDARD CLEAR GLASS GLOBE & GUARD**	FIXTURE W/ TEMPERED CLEAR GLASS GLOBE & GUARD**	FIXTURE W/ CLEAR POLYCARBONATE GLOBE**
VSL1330	13	120-277VAC	1/2"	VSL1330V1SG	VSL1330V1HG	VSL1330V1PN
			3/4"	VSL1330V2SG	VSL1330V2HG	VSL1330V2PN
VSL1630	16	120-277VAC	1/2"	VSL1630V1SG	VSL1630V1HG	VSL1630V1PN
			3/4"	VSL1630V2SG	VSL1630V2HG	VSL1630V2PN



Glass Globe



Poly Globe

WALL MOUNT – WITH VFL ELBOW FOR DIRECT MOUNT TO V SERIES SPLICE BOXES 0 – HUBS ^①						
LED	WATTS	VOLTAGE	HUB SIZE	FIXTURE W/ STANDARD CLEAR GLASS GLOBE & GUARD**	FIXTURE W/ TEMPERED CLEAR GLASS GLOBE & GUARD**	FIXTURE W/ CLEAR POLYCARBONATE GLOBE**
VSL1330	13	120-277VAC	–	VSL1330FLSG	VSL1330FLHG	VSL1330FLPN
VSL1630	16	120-277VAC	–	VSL1630FLSG	VSL1630FLHG	VSL1630FLPN



Glass Globe



Poly Globe

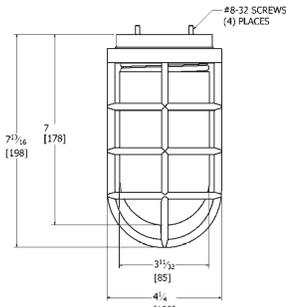
STANCHION MOUNT FOR 1-1/4" THREADED PIPE 1 – HUB						
LED	WATTS	VOLTAGE	HUB SIZE	FIXTURE W/ STANDARD CLEAR GLASS GLOBE & GUARD**	FIXTURE W/ TEMPERED CLEAR GLASS GLOBE & GUARD**	FIXTURE W/ CLEAR POLYCARBONATE GLOBE**
VSL1330	13	120-277VAC	1-1/4"	VSL1330D4SG	VSL1330D4HG	VSL1330D4PN
VSL1630	16	120-277VAC	1-1/4"	VSL1630D4SG	VSL1630D4HG	VSL1630D4PN

^① When mounted (globe down) to V series boxes; not Class II, Div.2 or NEMA 4 on VBA, VFPS, VB or VFL adaptors to sheet metal boxes.

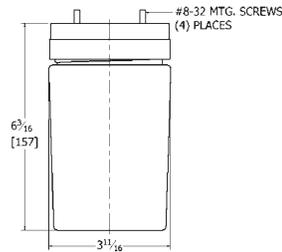
** Use tempered glass or poly globes for wet location applications. See logic page for available globe colors.



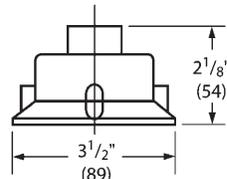
UTILITY LIGHT – DIMENSIONS



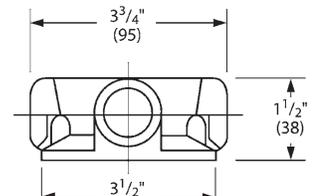
VSL Body w/Globe & Guard, No Splice Box



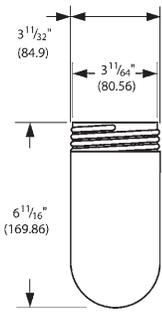
VSL Body w/Polycarbonate Globe, No Splice Box



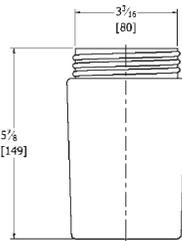
VGA



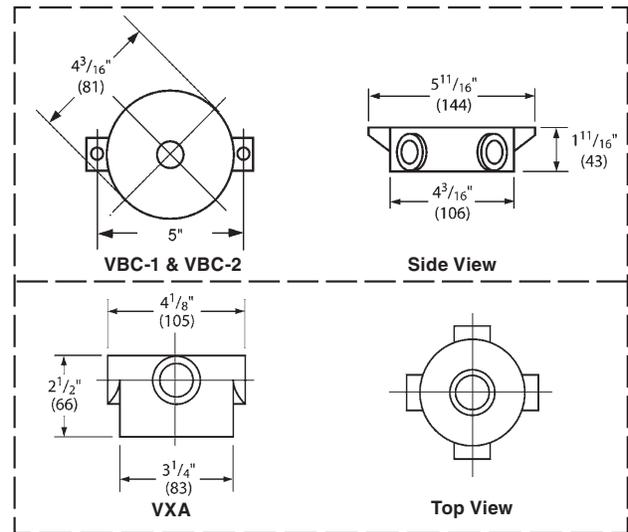
**VGC or VGX
*VGH is 3-5/8" (92)**



Glass Globe



Polycarbonate Globe

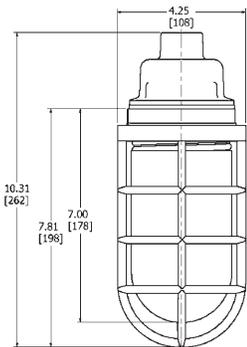


VBC-1 & VBC-2

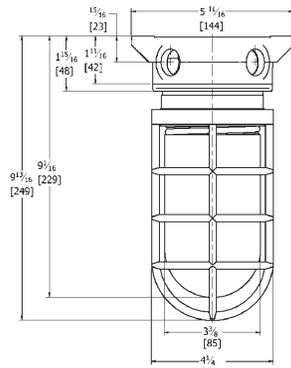
Side View

VXA

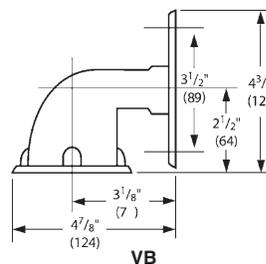
Top View



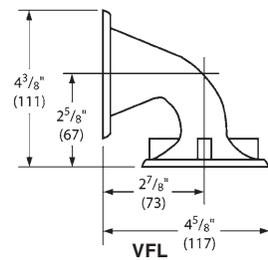
VSL Pendant Fixture w/Globe & Guard



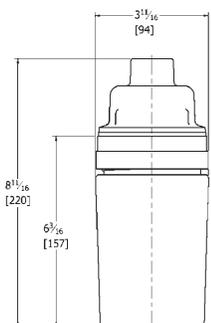
VSL Ceiling Fixture w/Globe & Guard



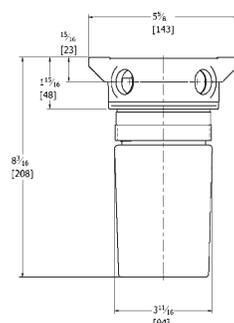
VB



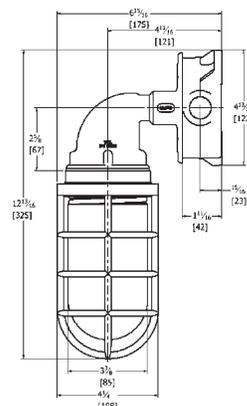
VFL



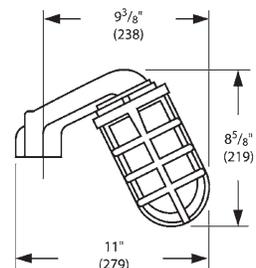
VSL Pendant Fixture w/Polycarbonate Globe



VSL Ceiling Fixture w/Polycarbonate Globe



VSL Wall Mounted Fixture w/Globe & Guard



VSL Stanchion Fixture w/Globe & Guard