



VSB-LED

VR Architectural Cleanroom Surface Mount **LED** Linear

PRODUCT SPECIFICATION

The VSB is designed for general purpose, high abuse areas where an architectural look is required. Also for use in cleanrooms, laboratories, research facilities, kitchen areas, vivariums, and natatoriums.

Mounting

Surface mounts to ceilings or walls.

Housing

Marine grade aluminum extruded housing and die-cast end caps.

Lens Frame

Marine grade aluminum extruded side rails and die-cast ends captivates lens.

Finish

Polyester powder-coated after phosphate pretreatment for superior adhesion and corrosion resistance.

Lens

.125 in. thick extruded polycarbonate snap-fits into lens frame for ease of replacement. Opal lens completely hides diode image while maintaining excellent transmission.

Gasket

Closed cell foam gasket continuously seals lens frame to housing for up to IP67 rating.

Fasteners

Stainless steel, tamperproof fasteners finished to match housing.

Driver

0-10Vdc dimming, Range 1%-100%
-40°C Min. starting temperature, >0.9 PF, <20% THD

Wiring

Driver provided with pre-wired 3-wire self-aligning input power quick disconnect and 2-wire quick disconnect to LED module.

Certifications

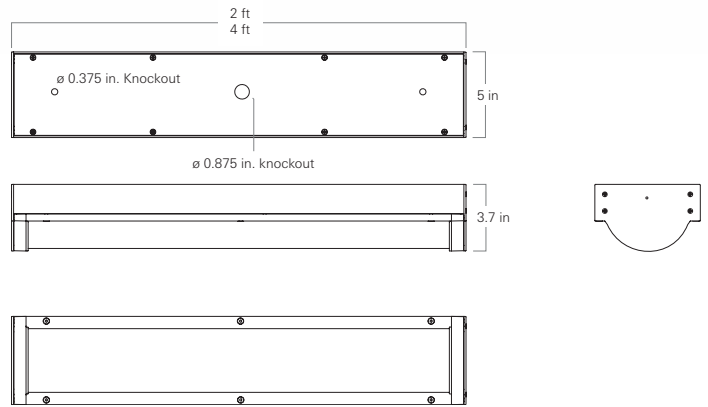
UL Listed wet location. Covered ceilings only. IP65 Rated, optional IP66 and IP67 Ratings available. Constructed to pass MIL-S-901 Grade A, Type A, High Impact Shock Test and MIL-S-167 Type 1, Vibration Test. Certified NSF2 for splash/non-food zones (option)

Job Name _____

Fixture Type _____

Catalog No. _____

Approval _____ Date _____



VSB	one	two	three	four	five	six	seven	eight	nine	ten	eleven
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one Luminaire Size

- 2 2 ft. fixture
- 4 4 ft. fixture

two LED Rows

Refer to the LED Source Table on Page 2 for available options.

three Color Temperature

- 30 3000K
- 35 3500K
- 40 4000K
- 50 5000K

four CRI

- 80 80 CRI
- 90 90 CRI

five Voltage

- 120 120 V, 60 Hz
- 277 277 V, 60 Hz
- VAR Variable, 120-277 V, 50/60Hz

six Driver

- DM 0-10Vdc Dimming, standard

seven Lens

- OP Opal polycarbonate, standard

eight Finish

- WH White, standard
- BK Black
- BZ Bronze

nine Fasteners

- TP Torx head, standard
- PH Phillips head

ten UL Listing

- 65 IP65 Rated, standard
- 66 IP66 Rated
- 67 IP67 Rated (Natatorium*)

*IP67 Rated option suitable for use in Natatorium application

eleven Options

- 2C Two circuit wired
- CM Corner mounting bracket
- CU Canadian UL Listing
- EM Emergency battery backup
Not available with 2' fixture
- IMS Integral Occ Sensor
- FH Fuse holder
- NL-LED LED night light
- NS NSF Listing
- PC Photocell
- RMxx* Row mounting
Includes Chase Nipple(s), PVC Gasket(s), and Sealing Locknut(s)

*xx = Length of row in feet

Modifications are available to meet custom requirements.

CRI	LED Life
>80	>100,000

LED Source (Box 2)	3000K		3500K		4000K		5000K		Input Watts
	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	
VSB2									
1W16	1616	95	1640	96	1689	99	1737	102	17.1
1W20	1989	95	2019	96	2017	96	2138	102	21.0
1W24	2334	94	2369	95	2439	98	2509	101	24.9
1W27	2663	93	2703	94	2782	97	2861	100	28.7
VSB4									
1W27	2658	102	2698	103	2777	106	2857	109	26.1
1W33	3250	102	3298	104	3395	107	3492	110	31.8
1W43	4177	102	4239	103	4364	106	4489	109	41.0
1W51	4862	100	4935	101	5080	104	5225	107	48.8
1W55	5354	98	5434	99	5594	102	5754	105	54.8

Specified Output Option

LC Doane programmable drivers allows us to deliver a specific lumen output. If none of the options in the chart above fit your application, let us know the desired lumen output and we will do the rest. See the example below on how this will be specified:

Example Model:

VSB2-**XX**¹SO40/80-VARDM-OP(**XX**²/LUMENS)

LUMENS = You provide the lumens.

XX¹ = We will determine the number of rows.

XX² = We will provide the wattage information.

Photometric Data @ 80 CRI

90 CRI multiplier	.83
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