



VSB-LED NSF

NSF- Food Processing Vandal Resistant High Abuse 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, food areas, stairwells, locker rooms, showers, parking garages, and natatoriums.

Mounting

Surface mounts to ceilings or walls.
Able to be pendant mounted. Please consult factory.

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.
Fully illuminated 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.

Hardware

Stainless steel, tamperproof fasteners
finished to match housing.

Driver

0-10Vdc 1% dimming, >0.9 PF, <20% THD
Factory programmable, Operating temp -40°C Min. to 50°C Max

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. IP65 rated. Optional IP66 (NEMA4 / 4X rated)
and IP67 ratings available. Suitable for use in ISO-3 cleanrooms.
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.



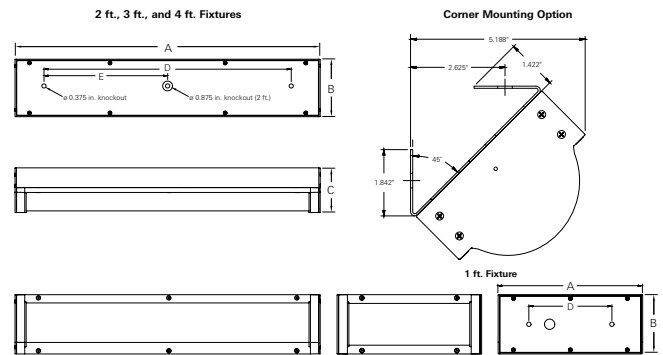
Job Name _____

Fixture Type _____

Catalog No. _____

Approval _____

Date _____



one two three four five six seven eight nine ten eleven twelve												
VSB	-	-	/	-	VAR	DM	-	OP	-	PH	-	NS
one	Luminaire Size			five	Voltage			eleven	NSF Listing			
1	1 ft. fixture			VAR	Variable, 120-277 V, 50/60Hz			NS	NSF Listing			
2	2 ft. fixture			six	Driver			twelve	Options Anti-microbial coating (exposed areas) Corner mounting bracket Canadian UL Listing Emergency battery backup Fuse holder Integral Occ Sensor Pendant mount <i>Pendant supplied by others. Customer must provide mounting hole template.</i> Photocell Row mounting <i>Includes Chase Nipple(s), PVC Gasket(s), and Sealing Locknut(s)</i> <i>*1EM = Not available on 1 ft. fixture *2IMS = Not available on 1 ft. fixture *3xx = Length of row in feet</i>			
3	3 ft. fixture			DM	0-10Vdc Dimming, <u>standard</u>							
4	4 ft. fixture			seven	Lens							
two	LED Source			OP	Opal polycarbonate, <u>standard</u>							
Refer to the LED Source Table on Page 2 for available options.				eight	Finish							
three	Color Temperature			WH	White							
30	3000K			BK	Matte Black							
35	3500K			LG	Light Gray							
40	4000K			CC	Custom Color (Contact Factory)							
50	5000K			nine	Hardware							
four	CRI			PH	Phillips head, <u>standard</u>							
80	80 CRI			ten	IP Rating							
90	90 CRI			65	IP65 Rated, <u>standard</u>							
				66	IP66 Rated, <u>NEMA4 / 4X Rated</u>							
				67	IP67 Rated							





							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		
1 ft. Fixture										
1W4	394	106	405	109	417	113	417	113	3.7	
1W7	678	104	696	106	717	110	717	110	6.5	
1W10	946	100	972	103	1002	106	1002	106	9.4	
2 ft. Fixture										
1W16	1556	104	1598	107	1647	110	1647	110	14.9	
1W20	1923	102	1975	105	2035	108	2035	108	18.8	
1W25	2279	101	2341	103	2412	107	2412	107	22.6	
1W27	2624	99	2696	102	2777	105	2777	105	26.5	
3 ft. Fixture										
1W20	1966	106	2019	108	2080	112	2080	112	18.6	
1W27	2526	104	2594	107	2673	110	2673	110	24.4	
1W30	3068	102	3152	105	3247	108	3247	108	30.1	
1W40	3765	99	3868	102	3985	105	3985	105	37.9	
4 ft. Fixture										
1W27	2563	106	2633	109	2712	112	2712	112	24.2	
1W35	3318	104	3408	107	3511	110	3511	110	31.8	
1W40	4050	103	4161	105	4287	109	4287	109	39.5	
1W50	4762	101	4891	104	5039	107	5039	107	47.2	
1W55	5281	100	5425	102	5589	105	5589	105	53.0	

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**'SO40/80-VARDM-OP-NS-(**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



Lifetime Warranty: We are proud to offer the L.C. Doane Assurance. L.C. Doane High Abuse lighting products are manufactured to withstand today's complex and demanding environments. The L.C. Doane Company will repair or replace any High Abuse or VR Architectural fixture when installed according to our instructions for the life of the original installation if the fixture should fail due to physical abuse.