



PRODUCT SPECIFICATION

The VSA 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)

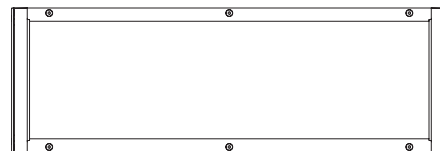
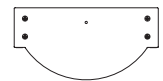
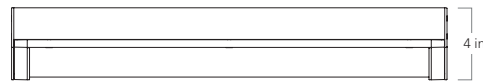
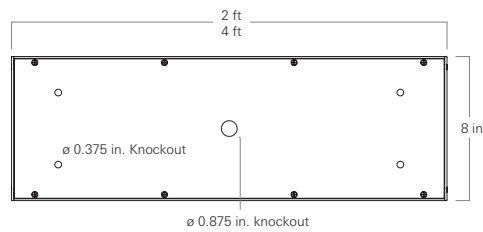
Job Name _____

Fixture Type _____

Catalog No. _____

Approval _____

Date _____

**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
- BK Matte Black
- LG Light Gray
- CC Custom Color (Consult Factory)

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 ft. fixture
- FH Fuse holder
- IMS Integral Occ Sensor
- 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	
VSA2									
1W18	1812	105	1839	107	1893	110	1947	113	17.2
1W29	2803	105	2845	106	2929	109	3013	112	26.8
2W41	3842	114	3899	115	4014	119	4129	122	33.8
2W51	4852	113	4924	115	5069	118	5214	121	43.0
2W60	5970	109	6059	111	6238	114	6416	117	54.8
VSA4									
1W29	2782	115	2823	117	2906	120	2989	124	24.2
1W43	4117	115	4178	117	4301	120	4424	124	35.8
1W57	5497	113	5580	114	5744	118	5908	121	48.8
2W76	7348	115	7458	117	7678	121	7897	124	63.7
2W90	8642	115	8771	116	9029	120	9287	123	75.4
2W100	9840	114	9986	116	10280	120	10574	123	86.0
2W120	12107	110	12288	112	12649	115	13011	119	109.6

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:

VSA2-XX¹SO40/80-VARDM-OP(XX²/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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