



VSA-LED

VR Architectural Surface Mount **LED** Linear

PRODUCT SPECIFICATION

The VSA is designed for general purpose lighting in high abuse areas where an architectural look is required.

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 10%-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.

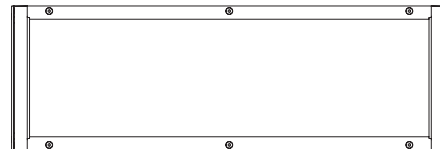
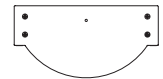
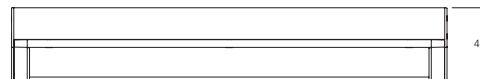
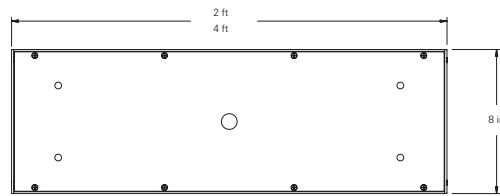
Job Name

Fixture Type

Catalog No.

Approval

Date



one Luminaire Size

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

two LED Rows

- 1L One
- 2L Two

three Color Temperature

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

four Voltage

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

five Driver

- DM 0-10Vdc Dimming, standard

six Lens

- OP Opal polycarbonate, standard

seven Finish

- WH White, standard
- BK Black
- BZ Bronze

eight Fasteners

- TP Torx head, standard
- PH Phillips head

nine UL Listing

- 65 IP65 Rated, standard
- 66 IP66 Rated
- 67 IP67 Rated (Natatorium¹)
¹IP67 Rated option suitable for use in Natatorium application

ten Options

- SO Specified output*
- 2C Two circuit wired
- CU Canadian UL Listing
- EM Emergency battery backup
- FH Fuse holder
- NL-LED LED night light
- PC Photocell
- IMS Integral Occ Sensor
- CM Corner mounting bracket

* Indicated as SOxx/xx. Specified output, Input watts / lumens per watt to be determined based on specified requirements.

Modifications are available to meet custom requirements.

Photometric Data for a 2-ft fixture with two rows (full output)

Lumens	Input Watts	Lumens / Watt	CCT	CRI	LED Life
5824	57 watts	101	4000K	> 80	> 100,000

Photometric Data for a 4-ft fixture with two rows (full output)

Lumens	Input Watts	Lumens / Watt	CCT	CRI	LED Life
11810	105 watts	112	4000K	> 80	> 100,000

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0
RW %:	70	50	30	0	70	50	30	0	50	30	20	10	50	30	20	10	50	30	20	0	
RCR: 0	1.18	1.18	1.18	1.18	1.15	1.15	1.15	.97	1.09	1.09	1.09	1.09	1.04	1.04	1.04	1.04	.99	.99	.99	.97	
1	1.07	1.01	.96	.92	1.03	.99	.94	.79	.94	.90	.87	.87	.89	.86	.83	.83	.85	.83	.80	.78	
2	.97	.88	.80	.74	.93	.85	.79	.66	.81	.76	.71	.71	.77	.73	.69	.69	.74	.70	.67	.64	
3	.88	.77	.68	.61	.85	.75	.67	.55	.71	.65	.59	.59	.68	.62	.58	.58	.65	.60	.56	.54	
4	.80	.68	.59	.52	.78	.66	.58	.48	.63	.56	.50	.50	.61	.54	.49	.49	.58	.53	.48	.46	
5	.74	.61	.51	.45	.71	.59	.51	.41	.57	.49	.43	.43	.54	.48	.42	.42	.52	.46	.42	.39	
6	.68	.55	.45	.39	.66	.53	.45	.36	.51	.44	.38	.38	.49	.42	.37	.37	.47	.41	.37	.34	
7	.63	.49	.40	.34	.61	.48	.40	.32	.47	.39	.33	.33	.45	.38	.33	.33	.43	.37	.33	.30	
8	.59	.45	.36	.31	.57	.44	.36	.29	.43	.35	.30	.30	.41	.34	.30	.30	.40	.34	.29	.27	
9	.55	.41	.33	.27	.53	.41	.33	.26	.39	.32	.27	.27	.38	.31	.27	.27	.37	.31	.26	.24	
10	.52	.38	.30	.25	.50	.38	.30	.24	.36	.29	.24	.24	.35	.29	.24	.24	.34	.28	.24	.22	

VSA-LED - Polar Candela Distribution

