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.

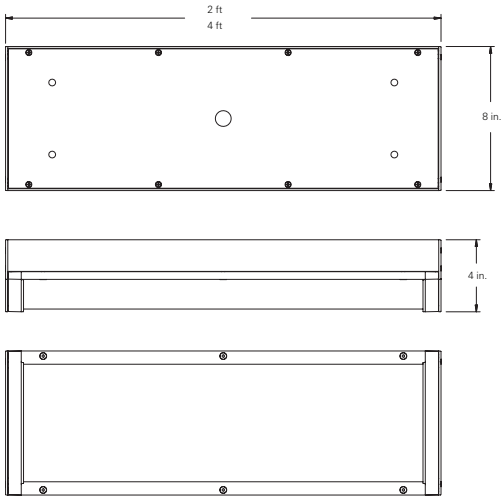
Certifications
UL Listed wet location. Covered ceilings only. IP65 Rated, optional IP66 and IP67 Ratings available. Constructed to pass MIL-S-901 Grade A, Type A, High Impact Shock Test and MIL-S-167 Type 1, Vibration Test.

Job Name

Fixture Type

Catalog No.

Approval Date



FIVE YEAR WARRANTY · ADA · IP67 RATED · WET · UL LISTED · MADE IN USA

VSA		-			-			-			-			-		-	
	one		two	three		four	five		six	seven		eight	nine		ten		

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 (Natatorium[1])

[1] *IP67 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)

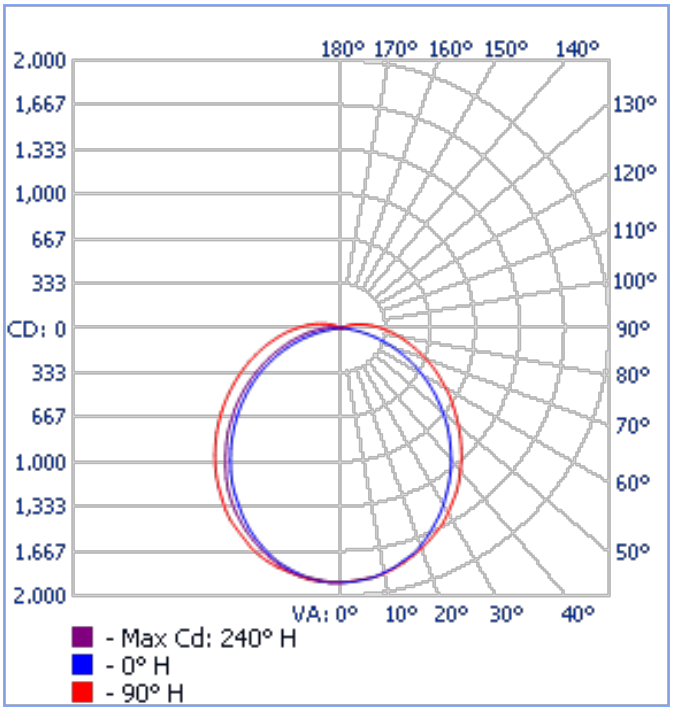
Lumens	Input Watts	Lumens / Watt	CCT	CRI	LED Life
11810	105 watts	112	4000K	> 80	> 100,000

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

VSA-LED - Polar Candela Distribution



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