



VSA-LED Green

Vandal Resistant High Abuse Surface Mount **LED** Linear

PRODUCT SPECIFICATION

Designed for dust-free operation
in surgical suites where symmetrical distribution
illumination is required.

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. Constructed to pass MIL-S-901 Grade
A, Type A, High Impact Shock Test and MIL-S-167 Type 1, Vibration
Test. Suitable for use in Natatorium Environments.

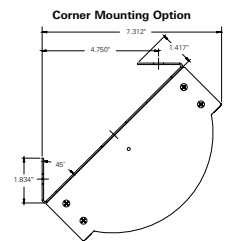
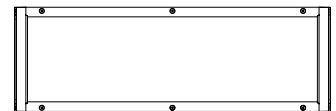
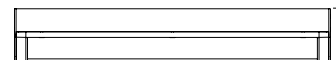
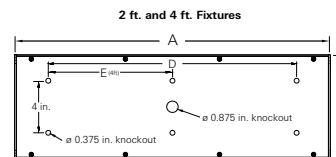
Job Name

Fixture Type

Catalog No.

Approval

Date



Size	A	B	C	D	E
2 ft.	24.2"	8.0"	3.7"	19"	9.5"
4 ft.	48.2"	8.0"	3.7"	43"	21.5"



one	two	three	four	five	six	seven	eight	nine	ten	eleven
VSA	-	-	/	-	VAR	DM	-	OP	-	

one Luminaire Size

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

two LED Source

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

three Color Temperature

- 30 3000K
 - 35 3500K
 - 40 4000K
 - 50 5000K
- Leave blank for Green-LED only.

four CRI

- 80 80 CRI
 - 90 90 CRI
- Leave blank for Green-LED only.

five Voltage

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 (Contact Factory)

nine Hardware

- TP Torx head, standard
- PH Phillips head

ten IP Rating

- 65 IP65 Rated, standard
- 66 IP66 Rated, NEMA4 / 4X Rated
- 67 IP67 Rated

eleven Options

- 2C Two circuit wired
- AM Anti-microbial coating (exposed areas)
- CM Corner mounting bracket
- CU Canadian UL Listing
- EM*¹ Emergency battery backup
- FH Fuse holder
- IMS Integral Occ Sensor
- NL-LED LED night light
- PM Pendant mount
*Pendant supplied by others.
Customer must provide mounting hole template.*
- PC Photocell
- RMxx*² Row mounting
*Includes Chase Nipple(s), PVC
Gasket(s), and Sealing Locknut(s)*
- NS NSF listing (refer to the NSF version of this cut sheet)

*EM = Not available on 1 ft. fixture

*XX = Length of row in feet

Modifications are available to meet custom requirements.
Specifications and dimensions are subject to change without notice.

CRI	LED Life
>80	>100,000

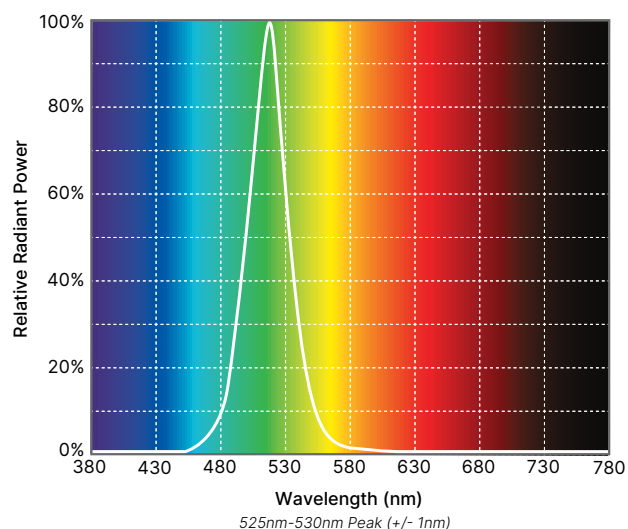
Green/White LED

LED Source (Box 2)	Green		3000K		3500K		4000K		5000K		Input Watts
	Delivered Lumens	Watts	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	
2ft. Fixture											
1G25/1W18	2546	22	1745	117	1792	120	1846	124	1846	124	14.9
1G25/1W30	2546	22	2750	112	2825	115	2911	118	2911	118	24.6
4ft. Fixture											
1G51/1W30	5162	44	2896	120	2974	123	3065	127	3065	127	24.2
1G51/1W45	5162	44	4165	117	4279	120	4408	124	4408	124	35.6
1G51/1W60	5162	44	5577	114	5729	117	5902	120	5902	120	49.1

Green LED Only

LED Source (Box 2)	Delivered Lumens	L/W	Input Watts
2ft. Fixture			
1G25	2546	116.3	21.9
2G51	5092	116.3	43.8
3G65	6483	127.4	50.9
4ft. Fixture			
1G51	5162	117.9	43.8
2G73	7339	139.8	52.5
2G94	9416	124.6	75.6
2G103	10325	118.0	87.5
3G113	13146	129.3	101.7

G - Green Spectrum



Specified Output Option

LC Doane programmable drivers allow 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

Use the multipliers below to adjust the delivered lumens

90 CRI multiplier	.83
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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.