

## variLine™ Direct 1.5" Surface & Suspended Mount

### PRODUCT OVERVIEW:

- Variety of widths to use (1.5", 2", 3", or 4") for a family approach to lighting
- Surface, Suspended Mount
- Extruded aluminum housing, aluminum end caps
- 0-10V dimming to 1% standard
- variTune™ - 4 CCT selectable (2700K, 3000K, 3500K, 4000K; 90+ CRI)
- variLumen™ - 3 lumen output selectable
- Optional set lumen output and CCT for energy code compliance



### PHOTOMETRY

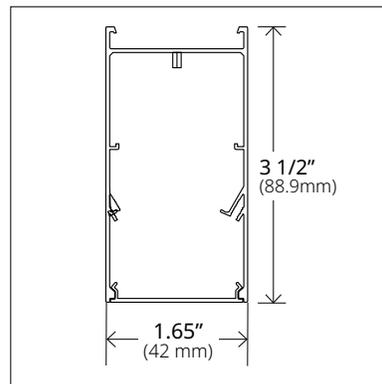
**Direct Diffuse White Optic (DW)**

Output	lm/ft	W/ft	lm/W
High	1034.25	7.8	132

**Direct Wall Wash Optic (WW)**

Output	lm/ft	W/ft	lm/W
High	1058.5	7.9	134

Calculated based on 4000K - for complete photometry overviews, see page 4.



For technical details and installation manual, scan QR code or visit [product page](#)



Date: \_\_\_\_\_ Quantity: \_\_\_\_\_ Type: \_\_\_\_\_ Customer: \_\_\_\_\_

Project Name: \_\_\_\_\_

Comments: \_\_\_\_\_

**CATALOG CODE:**

### ORDERING INFORMATION

VLD1					
Series	Length	Finish	Lumens <sup>1</sup>	CCT	Distribution
<b>VLD1<sup>1</sup></b> variLine™ Direct 1.5” aperture	<b>2</b> 2 foot	<b>WH</b> White	<b>VL3</b> variLumen™	<b>VT4</b> variTune™	<b>DIRECT</b>  <b>DW</b> Diffuse White  <b>WW</b> Wall Wash
	<b>3</b> 3 foot		<b>BK</b> Black	or select single option from each column below	
	<b>4</b> 4 foot	<b>HO</b> High Output		<b>27</b> 2700K	
	<b>8</b> 8 foot <b>Rx<sup>2,5</sup></b> Run		<b>MO</b> Medium Output	<b>30</b> 3000K	
			<b>LO</b> Low Output	<b>35</b> 3500K <b>40</b> 4000K	

UNV			
Voltage	Dimming	Mounting	Electrical <sup>4</sup>
<b>UNV</b> 120V through 277V	<b>D01</b> 0-10V Dimming to 1%  <b>ND</b> Non-Dimmable (On/Off function only)	<b>SUSP</b> Suspended <b>SMT</b> Surface  see page 6	<b>(blank)</b> No Emergency Options  <b>EC</b> Emergency Circuit  <b>EM</b> Emergency Battery

### ORDERING NOTES

- For other sizes, distributions, or mountings, see more variLine™ spec sheets at [aurabydh.com](http://aurabydh.com)
- For fixture Run lengths, see “variLine™ Runs Layout Guide” online. Run lengths specified do not include any length of corners selected. See page 5 for details. Longer runs are established by combining 2’, 3’, 4’ and 8’ lengths. See chart on page 7 for details on out to achieve the desired length.
- Select VL3 and VT4 for field-selectable lumen output / CCT, or choose one of the preset power levels and CCTs—see output chart on page 4 for details.
- Emergency options available for increments of 4’ or 8’ fixtures or Runs. See page 3 for details.
- Rolled Lens suggested for all runs where 2 or more straight fixture sections are joined.

Date: \_\_\_\_\_ Quantity: \_\_\_\_\_ Type: \_\_\_\_\_ Customer: \_\_\_\_\_

Project Name: \_\_\_\_\_

Comments: \_\_\_\_\_

### TECHNICAL INFORMATION

#### CONSTRUCTION

##### Housing

- 6063-T6 Extruded aluminum housing, die-cast aluminum end caps
- 14 Ga Cold rolled steel gear trays are powder coated high-reflectance white for optimal performance.
- Standard lengths are 2', 3', 4', and 8', with the option to combine for continuous runs.
- Acrylic snap-in lensing offers a variety of distributions in Both Direct, Indirect, and wall wash applications with a Diffuse (DW) Distribution.

##### Finish

- Powder coating available in White (WH) or Black (BK). For custom colors (CU), please consult factory.



#### MOUNTING

##### Suspended Mount

8' aircraft cable mounting with a color matching White or Black Power feed and canopy. Consult with factory for other suspended mounting options.

##### Surface Mount

#### ELECTRICAL

- Proprietary high performing LED light engine offers LEDs in both 2700K and 4000K, which allow field-selectable CCTs tuning of 2700K, 3000K, 3500K, and 4000K; with a Color Rendering Index (CRI) of 90+ and R9 >50.
- Class 2, Class P integral driver allows for field-selectable or factory-set output. Driver is 120-277V, with power factor >0.9 and THD <15%. 0-10V dimming down to 1%. Integral surge protection of 2Kv 1kA.
- Optional integral Emergency Battery Pack is compatible with 4' or 8' length runs only. The emergency battery pack is 10W, which produces approximately 1250 lumens (per 4-foot) for 90 minutes.
- Clean aesthetics are created with a remote location Push-to-Test Switch.

#### JOINER CONNECTIONS

- Joiners are uniquely designed with built-in features to tighten seams and prevent light leaks. See spec sheet for joiner and transition options.

#### LENSING

- All fixtures are supplied with standard lenses. 48' Field cuttable Rolled Lens must be ordered and is suggested for all runs where 2 or more straight fixture sections are joined. (Part# RL48)

#### WEIGHTS

Size	Weight	
2 foot	2.2 lbs.	1 kg
3 foot	3.09 lbs.	1.4 kg
4 foot	3.86 lbs.	1.75 kg
8 foot	7.72 lbs.	3.5 kg

#### LUMEN MAINTENANCE

- L70 > 50,000 hours at 25°C per TM-21 reports. For additional photometric information, scroll down to page 4.

#### AMBIENT ENVIRONMENT

- Ambient temperatures from -20°C (-4°F) to 45°C (113°F) and suitable for dry and damp locations, indoors only.

#### CERTIFICATIONS AND LABELS

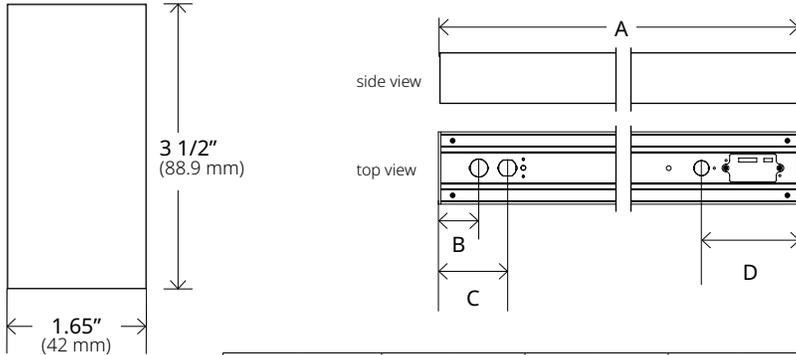
- ETL Listed and vigorously tested to UL1598 standards
- RoHS compliant

#### Warranty

variLine AURA by Dernier & Hamlyn backs our products with a 7-year warranty to the original purchaser. This limited warranty assures that the fixture will be free from defects in material, manufacturing, and workmanship for up to 7 years from the original ship date when installed and operated according to the intended purpose by a professional. For any additional warranty questions, please contact technical support at (877) 476-9384.

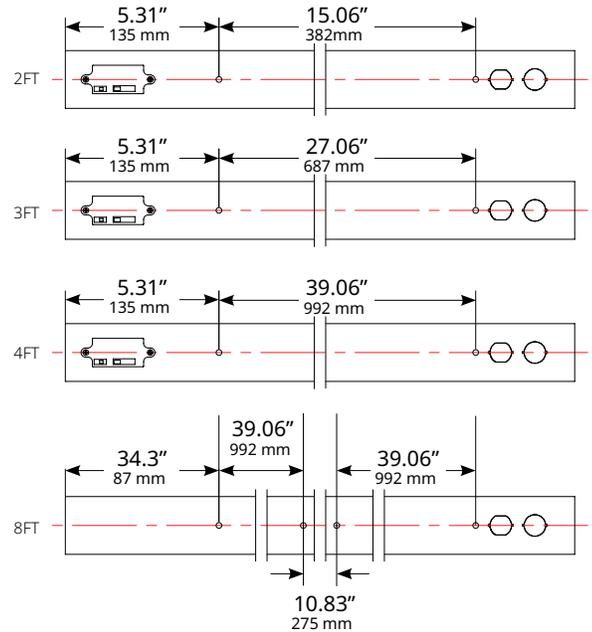
### DIMENSIONS

#### End Cap



	"A" length of housing; with end caps		"B" Knockout 1		"C" Knockout 2		"D" Knockout 3	
2 Ft	24"	604 mm						
3 Ft	36"	687 mm						
4 Ft	48"	992 mm	1.69"	43 mm	2.87"	73 mm	4.06"	103 mm
8 Ft	96"	2435 mm						

#### Mounting Dimensions



### ENERGY CONSUMPTION WATTS PER 4FT

Luminaires are 1000 lm/ft at 100% output (nominal)

2-Foot	DW	WW
LUMEN OUTPUT	2000	2000
WATTAGE	16	16
EFFICACY	125	125

4-Foot	DW	WW
LUMEN OUTPUT	4000	4000
WATTAGE	32	32
EFFICACY	125	125

3-Foot	DW	WW
LUMEN OUTPUT	3000	3000
WATTAGE	24	24
EFFICACY	125	125

8-Foot	DW	WW
LUMEN OUTPUT	8000	8000
WATTAGE	64	64
EFFICACY	125	125

\*Values based on 4000K at the highest lumen output selected.  
All Values are Nominal, based on 1000 lm/ft.

Downlight	Multipliers
HO	100%
MO	80%
LO	60%

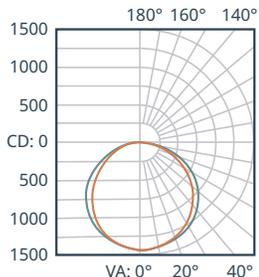
CCT	Multipliers
4000K	100.0%
3500K	98.6%
3000K	96.1%
2700K	93.5%

### 4-FT PHOTOMETRY (Based on 4000K at the highest lumen output selected)

IES FILES

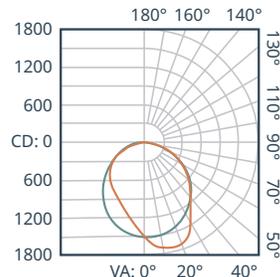
#### ISOCANDELA PLOT SAMPLES

DW 4000K



#### ISOCANDELA PLOT SAMPLES

WW 4000K



8-FT (multiply by 2)  
2-FT (multiply by .5)  
3-FT (multiply by .75)

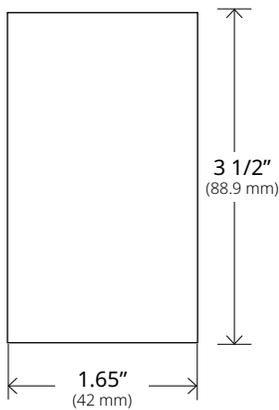
### INTERSECTIONS

Available in White (WH) or Black (BK).

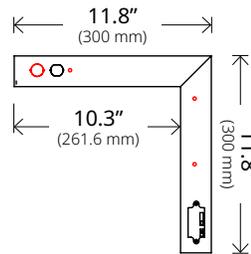
Run lengths with intersections do not include the intersection length.  
For other configurations or colors, please consult factory.

#### End Cap

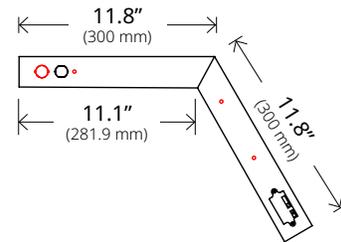
Two end caps will be provided to enclose fixture.



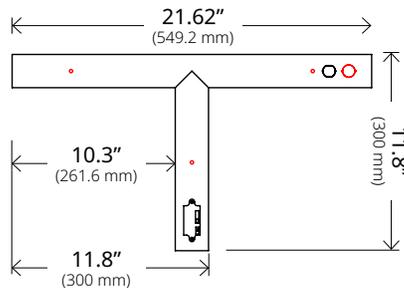
#### VLS1-L90 - Lit 90° Intersection



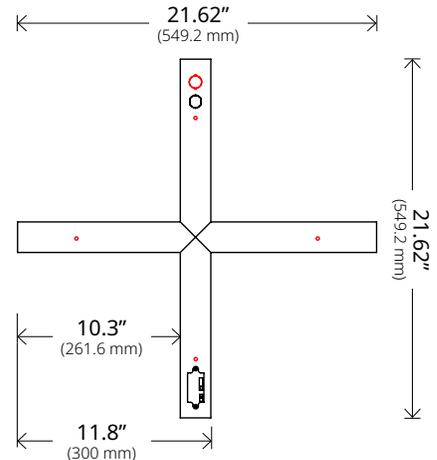
#### VLS1-L120 - Lit 120° Intersection



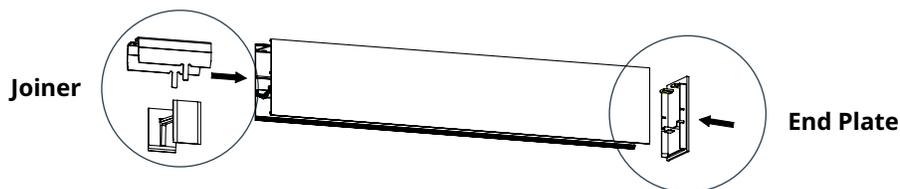
#### VLS1-T - Lit "T" Intersection



#### VLS1-X - Lit "X" Intersection



### JOINER & END PLATE



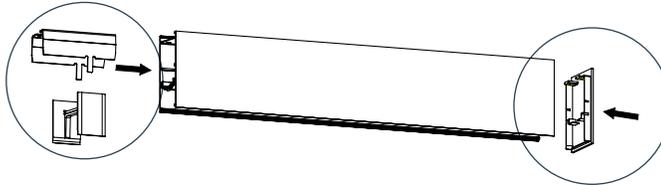
#### Notes:

Intersections are powered independently of the main fixture and are available in direct light distribution only.  
Intersections rely on the main run for mounting.

### INSTALLATION COMPONENTS<sup>1</sup>

#### Joiner

**VLOPT-JK1**  
(VL1 Joiner)



#### End Cap

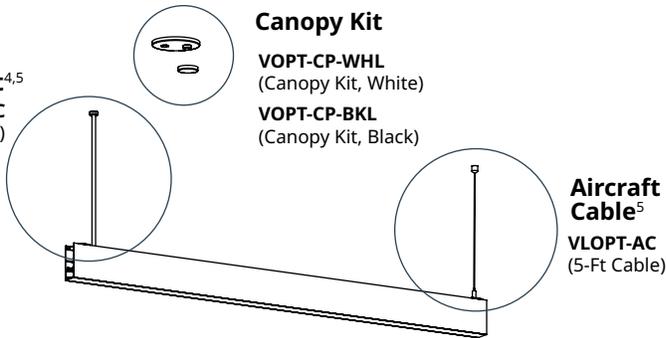
**VLOPT-VL1-ENCP-WH**  
(VL1 End Cap White)  
**VLOPT-VL1-ENCP-BK**  
(VL1 End Cap Black)

### ACCESSORIES

#### Mounting Kits<sup>1,2</sup>

##### SUSPENDED MOUNTING

**Power Feed Kit<sup>4,5</sup>**  
**VLOPT-FCC**  
(8-Ft Cable)



#### Canopy Kit

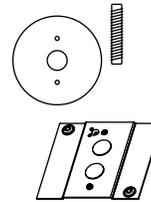
**VOPT-CP-WHL**  
(Canopy Kit, White)  
**VOPT-CP-BKL**  
(Canopy Kit, Black)

**Aircraft Cable<sup>5</sup>**  
**VLOPT-AC**  
(5-Ft Cable)

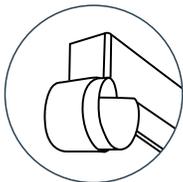
##### SURFACE MOUNTING

#### Surface Mount Kit

**VLOPT-SFD1**  
(Anchor, Cover and Bracket)



#### Rolled Lens



#### **VLOPT-LEND1**

Rolled Lens, 48" – field cuttable; suggested for all runs where 2 or more straight fixture sections are joined.

**Note:** Rolled Lens (VLOPT-LEND1) only available with Diffuse White (DW) for Direct side of fixture.

#### Tamper-Proof Switch Cover

(Included with non field adjustable options only)

**VLOPT-SWCP-WH**  
(White Cover)

**VLOPT-SWCP-BK**  
(Black Cover)



- Notes:**
1. See chart on page 7 for what is included with each length.
  2. Limited mounting hardware provided. Person installing may want to use their own additional mounting screws, hangers, clips, etc.
  3. Canopy includes both large and small size

4. 2 Power Feed Kits Needed for Selective Switching
5. Default cable is 8'. Longer aircraft and power feeds available
6. All hardware is included based on mount configuration ordered. For quantities see page 7
7. Packaging may contain extra hardware to use at installers discretion.

### RUN CONFIGURATION

Linear Run (Feet)	FIXTURE LENGTHS AND QTY								REQUIRED PARTS		SURFACE MOUNT	SUSPENSION MOUNT	
	Recommended Configuration (Using 2', 3', 4', and 8' Lengths)								Total # Fixtures	End Caps	Joiners	Hardware	Power Feed
2	2							1	2	0	2	1	2
3	3							1	2	0	2	1	2
4	4							1	2	0	2	1	2
5	2	3						2	2	1	2	1	2
6	3	3						2	2	1	2	1	2
7	3	4						2	2	1	2	1	2
8	8							1	2	0	2	1	2
9	3	3	3					3	2	2	2	1	2
10	4	2	4					3	2	2	2	1	2
11	8	3						2	2	1	2	1	2
12	8	4						2	2	1	2	1	2
13	8	3	2					3	2	2	3	1	3
14	8	3	3					3	2	2	3	1	3
15	8	3	4					3	2	2	3	1	3
16	8	8						2	2	1	3	1	3
17	8	4	3	2				4	2	3	3	1	3
18	8	2	8					3	2	2	3	1	3
19	8	8	3					3	2	2	3	1	3
20	8	8	4					3	2	2	3	1	3
21	8	8	2	3				4	2	3	3	1	3
22	8	3	3	8				4	2	3	3	1	3
23	8	8	3	4				4	2	3	3	1	3
24	8	8	8					3	2	2	3	1	3
25	8	8	3	3	3			5	2	4	4	1	4
26	8	8	8	2				4	2	3	4	1	4
27	8	8	8	3				4	2	3	4	1	4
28	8	8	8	4				4	2	3	4	1	4
29	8	8	8	3	2			5	2	4	4	1	4
30	8	8	8	3	3			5	2	4	4	1	4
31	8	8	8	4	3			5	2	4	4	1	4
32	8	8	8	8				4	2	3	4	1	4
33	8	8	8	3	3	3		6	2	5	4	1	4
34	8	8	8	8	2			5	2	4	4	1	4
35	8	8	8	8	3			5	2	4	4	1	4
36	8	8	8	8	4			5	2	4	4	1	4
37	8	8	8	8	2	3		6	2	5	5	1	5
38	8	8	8	8	3	3		6	2	5	5	1	5
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41	8	8	8	8	3	3	3	7	2	6	5	1	5
42	8	8	8	8	8	2		6	2	5	5	1	5
43	8	8	8	8	8	3		6	2	5	5	1	5
44	8	8	8	8	8	4		6	2	5	5	1	5
45	8	8	8	8	4	3	3	8	2	7	5	1	5
46	8	8	8	8	8	3	3	7	2	6	5	1	5
47	8	8	8	8	8	4	3	7	2	6	5	1	5
48	8	8	8	8	8	8		6	2	5	6	1	6

Note: Customized configurations also available. Contact (877) 476-9384 for more information.