



VIEW 20 Up | 80 Dn VU1-B **Specification Data**



Luminaire	VIEW - 20 UP   80 DN LED (VU1-B)	Type
Project		
Product		
Notes		



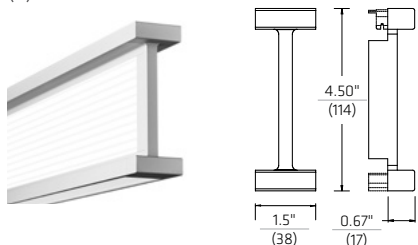
Performance Summary	20 Up   80 Down			
	A	B	C	D
Light (lm)	1900	2300	2850	3600
Energy (W)	19	23	29	38
Efficacy (lm/W)	103	101	99	95
Color Rendering (CRI)	80+	80+	80+	80+
Color Accuracy (SDCM)	< 2	< 2	< 2	< 2
L70 Estimate (h)	200,000	200,000	200,000	200,000
Lumen Maintenance per TM21 (@ 60,000 h)	L90	L90	L90	L90

Summary values are nominal and based on 4000K CCT

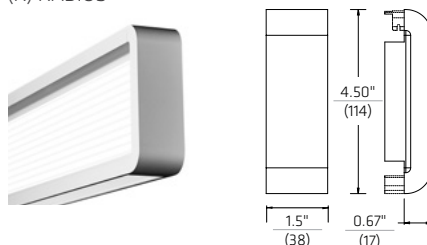
ENDCAPS + DIMENSIONS

inches (mm)

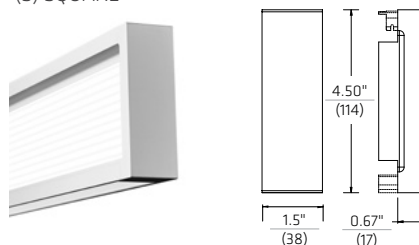
(B) BEAM



(R) RADIUS



(S) SQUARE



SPECIFICATION

VU1	B										OPTIONS	
1	2	3	4	5	6	7	8	9	10	11		
1. FAMILY	2. ENDCAP	3. OPTICAL DISTRIBUTION		4. ENERGY <sup>1</sup>		5. CCT		6. FINISH <sup>2</sup>				
<b>VU1</b> View	<b>B</b> Beam <b>R</b> Radius <b>S</b> Square	General Area Lighting	<b>B 20 Up   80 Dn</b> <b>A 70 Up   30 Dn</b>		<b>A</b> 19 W <b>B</b> 23 W <b>C</b> 29 W <b>D</b> 38 W	<b>30</b> 3000K <b>35</b> 3500K <b>40</b> 4000K	<b>A</b> Clear Anodized <b>B</b> Black Powdercoat <b>S</b> Metallic Silver Powdercoat <b>W</b> White Powdercoat <b>C</b> Custom Colour (RAL)					
7. LENGTH	8. CEILING INTEGRATION		9. DRIVER		10. VOLTAGE		11. SUSPENSION		OPTIONS			
<b>04</b> 4 ft <b>06</b> 6 ft <b>08</b> 8 ft <b>xx</b> x ft <sup>3</sup>	Integrated driver with mounting, power feed, suspension + canopy		<b>D</b> Drywall <b>G</b> Grid <b>S</b> Structure <b>R</b> Remote	<b>E1</b> eldoLED ECO 0-10V Dim 1% <b>E2</b> eldoLED SOLO 0-10V Dim 0.1% <b>E3</b> eldoLED ECO DALI 1% <b>E4</b> eldoLED SOLO DALI Dim 0.1% <b>F1</b> Factory Non-Dim <b>F2</b> Factory 0-10V Dim 3% <b>F3</b> Factory 0-10V Dim 3% (Class 2 control wiring) <sup>4</sup> <b>L1</b> Lutron Hi-Lume 1%-H EcoSystem	<b>M</b> 120 - 277 V <b>3</b> 347 V <sup>5</sup>	<b>03</b> ≤ 3 ft <b>06</b> ≤ 6 ft <b>12</b> ≤ 12 ft <b>25</b> ≤ 25 ft	<b>A</b> Alternate Wiring - AV Presentation Switching - EM/NL or 2 circuit modules <b>B</b> Battery Pack <sup>6</sup> <b>C</b> Chicago Plenum					

NOTES					
<sup>1</sup> Nominal values / 4 ft at 120 - 277 V & 347 V. For 347 V with E1-4/L1 add 4 W to above.	<sup>2</sup> Fixture finish only. Canopies are standard white.	<sup>3</sup> Specify run length in 2' nominal increments.	<sup>4</sup> In 347V only.	<sup>5</sup> 347 V Driver for F1/F3 347 V Transformer & Driver for E1-4/L1.	<sup>6</sup> Available for (G) Grid, (R) Remote and (S) Structure Available for 120 - 277V.

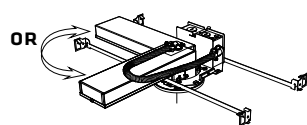
## Integrated Driver, Mounting, Power Feeds + Suspension

Refer to separate product specification datasheets for detailed dimensions of mounting hardware components, driver enclosures, canopies and wiring

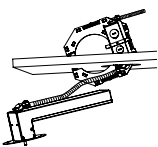
### (D) DRYWALL

New or Retrofit

Integrated driver, power feed and mounting suspension points suitable for GWB or plaster thicknesses of < 0.875" (22 mm)



Perpendicular or Parallel



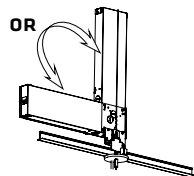
Retrofit Method

- ✓ 120-277V
- ✓ 347V
- ✗ Battery Pack
- ✓ 0-10V Dim
- ✓ Lutron
- ✓ eldoLED

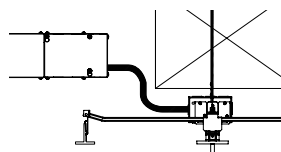
### (G) GRID

ON or OFF Grid

Integrated clip, driver, power feed and mounting suspension points suitable for accessible ceiling grid heights of < 1.75" (44mm)



Horizontal or Vertical



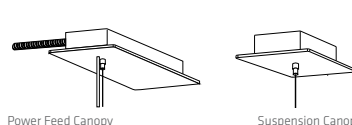
Detached Method

- ✓ 120-277V
- ✓ 347V
- ✓ Battery Pack
- ✓ 0-10V Dim
- ✓ Lutron
- ✓ eldoLED

### (S) STRUCTURE

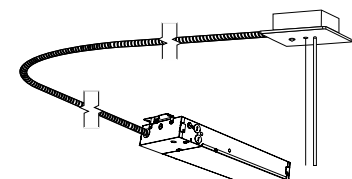
Exposed Ceilings

Integrated driver with mounting, power feed, suspension + canopy suitable for exposed surface conduit or recessed junction boxes



Power Feed Canopy

Suspension Canopy

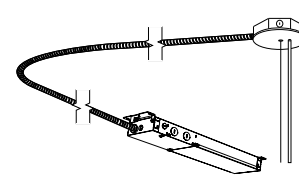


Battery Pack Option

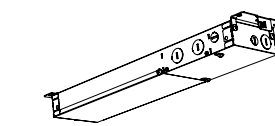
- ✓ 120-277V
- ✓ 347V
- ✓ Battery Pack
- ✓ 0-10V Dim
- ✓ Lutron
- ✓ eldoLED

### (R) REMOTE

External remote mounted driver. Power feed and suspension points suitable for exposed conduit or recessed junction boxes



Power Feed



Multivolt 120 - 277 V driver

- ✓ 120-277V
- ✓ 347V
- ✓ Battery Pack
- ✓ 0-10V Dim
- ✓ Lutron
- ✓ eldoLED

Recommended Wire Gauge for Minimal Losses (AWG)

30ft. | 18 ga.      50ft. | 14 ga.      80ft. | 12 ga.

### CONSTRUCTION

- Anodized, extruded + machined architectural grade aluminum
- Precision machined aluminum joints and endcaps are factory preinstalled for seamless fit
- Stainless steel fasteners
- 0.04" (1.0 mm) stainless steel aircraft cable suspensions
- Clear anodized surface finish or powdercoated in white, metallic silver or black. Canopies in white as standard

### OPTICAL

- Anidolic optical structures with linear light extraction elements
- Precision molded high transmittance clear acrylic lenses
- Long life mid-flux LED system designed for typical TM21 lumen maintenance  $\geq$  L90 @ 60,000 h
- Available in 3000 K, 3500 K or 4000 K with CRI  $\geq$  80 and R9  $\geq$  0, all with color accurate binning  $\leq$  2 SDCM

### ELECTRICAL

- No electrical connections are required at fixture level for installation; shipped with LV power cords factory preinstalled
- Agnostic driver design for simple integration with any sensor, lighting control or building energy management system
- High efficiency multivolt drivers for 120-277V or 347V; 50 - 60 Hz integrated with suspension and mounting canopy components
- Power Factor > 0.90
- Total Harmonic Distortion < 20%
- F2:0 - 10 V Dim Range: 3%
- Optional BatteryPack
- Optional Lutron: Hi-lume H-Series EcoSystem LED drivers for 100 - 1% (PWM)dim range

### WEIGHT

- Fixture Only: ~ 1.5 lb./ft. (2.2 kg/m)

### WARRANTY

- 5 year limited warranty on all components and workmanship

### ENVIRONMENTAL

- Designed for use in damp or dry indoor environments with room side operating temperatures of 0 - 30° C (32 - 86° F)

### INDEPENDENT TESTING

- IESNA LM79
- IESNA LM80 (LED@ 10,000 h)

### APPROVALS

- UL Listed (USA + Canada)
- CCEA Chicago Plenum
- Lighting Facts®

Product	View Suspended	Description	Performance Summary		Light (lm)	Energy (W)	Efficacy (lm/W)	Color Accuracy		
Version	VU1-BA40	20 Up   80 Dn A lumens CCT 4000 K	CCT Color Temperature	4000 K	1896	18.43	102.9	83.3	6.5	< 2
Report	FLUXWERX			3500 K	1839	18.43	99.8	83.3	6.5	< 2
				3000 K	1781	18.43	96.7	83.3	6.5	< 2

27.2% Up | 72.8% Dn

#### CANDLEPOWER DISTRIBUTION

Vertical Angle	0°	22.5°	45°	67.5°	90°	Zonal Lumens
0°	340	340	340	340	340	
5°	336	338	339	340	344	32
15°	319	325	353	376	388	100
25°	287	313	376	417	430	169
35°	244	293	369	401	413	218
45°	195	269	326	351	360	236
55°	146	222	266	288	295	223
65°	99	166	202	217	219	184
75°	55	111	139	149	150	133
85°	18	64	88	96	98	84
90°	3	47	72	82	84	
95°	7	55	81	90	91	76
105°	8	66	98	109	109	87
115°	9	72	114	130	132	95
125°	11	72	119	140	144	91
135°	12	61	111	136	143	75
145°	13	44	93	118	127	52
155°	13	30	65	92	98	28
165°	14	21	34	46	51	10
175°	14	16	17	19	20	2
180°	16	16	16	16	16	

#### LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture	
0-30°	301	N.A.	16	
0-60°	978	N.A.	52	
0-90°	1380	N.A.	73	
90-180°	516	N.A.	27	
<b>Total Luminaire</b>	<b>0-180°</b>	<b>1896</b>	<b>N.A.</b>	<b>100</b>

#### LUMINANCE DATA (CD/M<sup>2</sup>)

Vertical Angle	0°	45°	90°
45°	5519	3179	2795
55°	4905	2464	2141
65°	4264	1845	1531
75°	3445	1283	1046
85°	2202	848	698

#### CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				20									
	70	50	30	10	70	50	30	10						
0	113	113	113	113	107	107	107	96	96	86	86	77	77	73
1	101	96	91	87	95	91	83	81	75	73	68	65	61	57
2	91	82	75	69	86	78	66	70	61	63	55	56	50	46
3	83	72	63	57	78	68	54	61	50	55	46	49	42	38
4	75	63	54	47	71	60	46	54	42	48	39	43	35	32
5	69	56	47	40	65	53	39	48	36	43	33	39	30	27
6	63	50	41	35	60	48	33	43	31	39	29	35	26	24
7	59	45	36	30	55	43	29	39	27	35	25	32	23	21
8	54	41	32	27	51	39	26	35	24	32	22	29	20	18
9	51	37	29	24	48	36	23	32	21	29	20	27	18	16
10	47	34	26	21	45	33	20	30	19	27	18	25	17	15

Integrating Sphere and Photometric results at 4000K, 3500K and 3000K scaled from VU1-B 38W (D) and VU1-A results from an independent accredited testing laboratory per IES LM-79-2008 and ANSI C78.377-2011. Candlepower Distribution scaled per total lumens of Integrating Sphere results.

Product	View Suspended	Description	Performance Summary		Light (lm)	Energy (W)	Efficacy (lm/W)	Color Accuracy		
Version	VU1-BB40	20 Up   80 Dn B lumens CCT 4000 K	CCT Color Temperature	4000 K	2291	22.59	101.4	83.3	6.6	< 2
Report	FLUXWERX			3500 K	2222	22.59	98.3	83.3	6.6	< 2
				3000 K	2153	22.59	95.3	83.3	6.6	< 2

27.2% Up | 72.8% Dn

#### CANDLEPOWER DISTRIBUTION

Vertical Angle	0°	22.5°	45°	67.5°	90°	Zonal Lumens
0°	411	411	411	411	411	
5°	406	408	410	411	416	39
15°	385	392	427	454	469	121
25°	347	378	454	504	520	204
35°	295	354	446	484	499	264
45°	235	324	394	424	435	285
55°	176	268	321	348	357	269
65°	120	201	244	262	265	222
75°	67	134	167	180	182	161
85°	22	77	106	116	118	102
90°	3	57	87	99	101	
95°	8	67	98	109	110	91
105°	9	79	118	131	132	106
115°	11	87	138	157	160	115
125°	13	86	143	169	174	110
135°	14	74	135	165	173	91
145°	15	53	112	143	153	63
155°	16	36	79	111	119	34
165°	16	25	41	55	62	12
175°	16	19	21	23	24	2
180°	19	19	19	19	19	

#### LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture	
0-30°	364	N.A.	16	
0-60°	1182	N.A.	52	
0-90°	1667	N.A.	73	
90-180°	624	N.A.	27	
<b>Total Luminaire</b>	<b>0-180°</b>	<b>2291</b>	<b>N.A.</b>	<b>100</b>

#### LUMINANCE DATA (CD/M<sup>2</sup>)

Vertical Angle	0°	45°	90°
45°	6667	3841	3378
55°	5929	2977	2586
65°	5153	2230	1850
75°	4164	1549	1264
85°	2659	1025	843

#### CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				20									
	70	50	30	10	70	50	30	10						
0	113	113	113	113	107	107	107	96	96	86	86	77	77	73
1	101	96	91	87	95	91	83	81	75	73	68	65	61	57
2	91	82	75	69	86	78	66	70	61	63	55	56	50	46
3	83	72	63	57	78	68	54	61	50	55	46	49	42	38
4	75	63	54	47	71	60	46	54	42	48	39	43	35	32
5	69	56	47	40	65	53	39	48	36	43	33	39	30	27
6	63	50	41	35	60	48	33	43	31	39	29	35	26	24
7	59	45	36	30	55	43	29	39	27	35	25	32	23	21
8	54	41	32	27	51	39	26	35	24	32	22	29	20	18
9	51	37	29	24	48	36	23	32	21	29	20	27	18	16
10	47	34	26	21	45	33	20	30	19	27	18	25	17	15

