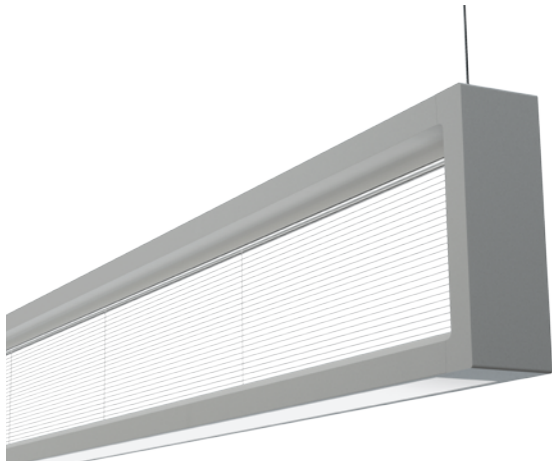


# FLUXWERX



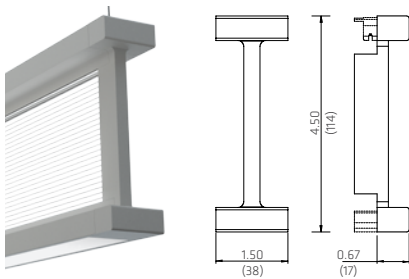
Luminaire	VIEW 70 UP   30 DN SUSPENDED LED	Type
Project		
Product		
Notes		



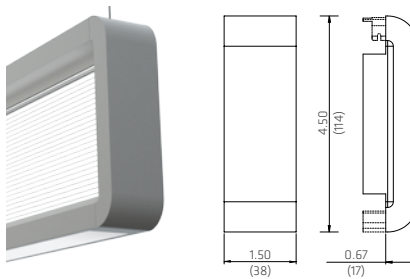
Performance Summary	70 Up   30 Down			
	A	B	C	D
Light (lm)	2400	3000	3700	4500
Energy (W)	24	29	39	49
Efficacy (lm/W)	103	103	99	95
Color Accuracy (CRI)	83	83	83	83
Est. Lifetime (h ≥ L70)	200,000	200,000	200,000	200,000
Lumen Maintenance per TM21 (@ 60,000 h)	L90	L90	L90	L90

## ENDCAPS + DIMENSIONS

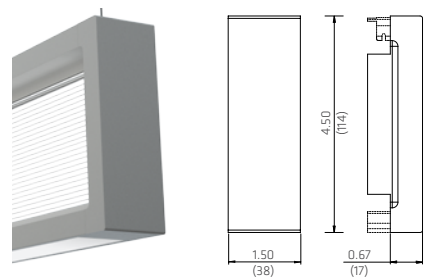
### BEAM



### RADIUS



### SQUARE



## SPECIFICATION

1	2	3	4	5	6	7	8	9	10	11	OPTIONS
---	---	---	---	---	---	---	---	---	----	----	---------

<b>1. FAMILY</b> VU1 View	<b>2. ENDCAP</b> B Beam R Radius S Square	<b>3. OPTICAL DISTRIBUTION</b> General Area Lighting	<b>4. LIGHT + ENERGY</b> A 70 Up   30 Dn B 10 Up   90 Dn	<b>5. CCT</b> 35 3500 K 40 4000 K	<b>6. FINISH</b> A Clear Anodized B Black Powdercoat W White Powdercoat
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Nominal values / 4 ft module at 120 - 277 V AC ; 50 - 60 Hz  
 For 347 V draw add 4 W to above

<b>7. LENGTH</b> 04 4 ft 08 8 ft xx x ft*	<b>8. CEILING + MOUNTING INTEGRATION</b> Integrated driver with mounting, power feed, suspension + canopy	<b>9. DRIVER</b> D Drywall G Grid S Surface R Remote	<b>10. VOLTAGE</b> B 50% Bi Level <sup>3</sup> D 0 - 10 V Dim L Lutron <sup>1</sup> S Standard	<b>11. SUSPENSION</b> M 120 - 277 V 3 347 V <sup>2,4</sup>	<b>OPTIONS</b> 03 ≤ 3 ft 06 ≤ 6 ft 12 ≤ 12 ft	<b>OPTIONS</b> A Alternate Wiring - AV Presentation Switching - EM/NL or 2 circuit modules B Battery Pack <sup>2,3</sup> C Chicago Plenum
--	--	--	--	--	--	--

\* Specify run length in 4' nominal increments

<sup>1</sup> Maximum suspension is ≤ 3' for Lutron drivers. <sup>2</sup> Available for (G) Grid and (R) Remote. <sup>3</sup> Available for 120 - 277V. <sup>4</sup> Lutron + 347 V requires EcoBUS controls

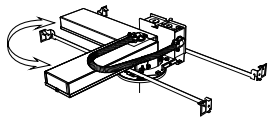
### Integrated Driver, Mounting, Power Feeds + Suspension

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

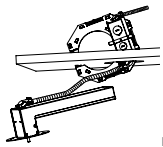
#### (D) DRYWALL

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



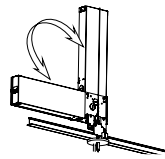
Retrofit Method

- 120-277V    □ 347V    □ Battery Pack
- 0-10V Dim    ■ Lutron    ■ 50% BiLevel

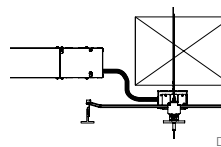
#### (G) GRID

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



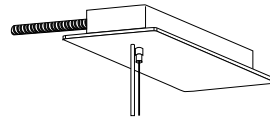
Detached Method

- 120-277V    ■ 347V    ■ Battery Pack
- 0-10V Dim    ■ Lutron    ■ 50% BiLevel

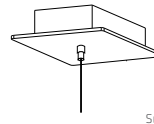
#### (S) SURFACE

Hard Lid Ceilings

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



Power Feed Canopy



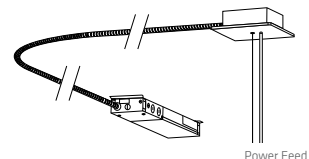
Suspension Canopy

- 120-277V    □ 347V    □ Battery Pack
- 0-10V Dim    ■ Lutron    ■ 50% BiLevel

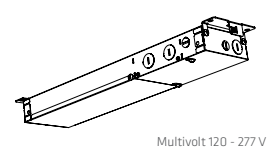
#### (R) REMOTE

Hard Lid Ceilings

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    ■ 50% BiLevel

#### CONSTRUCTION

- Anodized, extruded + machined architectural grade aluminum
- Precision machined aluminum joints and endcaps are factory preinstalled for seamless fit
- Stainless steel fasteners
- 1/32" (0.8 mm) stainless steel aircraft cable suspensions
- Clear anodized surface finish or powdercoated in white or black

#### OPTICAL

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

#### 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%
- BiLevel Switching: 50 / 100%
- 0 - 10 V Dim Range: 5 - 100% (CCR)
- Optional Battery: Bodine BSL722 rated for ~ 2000 lm @ 90 minutes
- Optional Lutron: Hi-lume A-Series L3D LED drivers for 100 - 1% (PWM) dim range; factory prewired for EcoSystem or 3-wire controls
- DALI : Consult factory for details

#### WEIGHT

- Fixture Only: ~ 1.5 lb./ft. (2.25 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 - 95° F)

#### TESTING

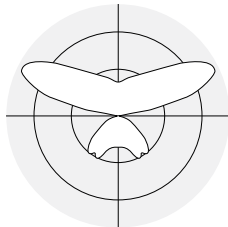
- IESNA LM79 (NVLAP Certified)
- IESNA LM80 (LED@ 10,000 h)

#### APPROVALS

- UL Listed (USA + Canada)
- CCEA Chicago Plenum
- DLC Certified (JAN 2014)
- US DOE Lighting Facts (JAN 2014)

Product	View Suspended	Description	Performance Summary		Light (lm)	Energy (W)	Efficacy (lm/W)	Color Accuracy (CRI) (R9) (SDCM)		
Version	VU1-AA40	70 Up   30 Dn 2459 lumens CCT 4000 K	CCT Color Temperature	4000 K	2459	23.1	106.5	85	22.5	< 2
Report	Fluxwerx			3500 K	2270	22.9	99.1	82	13.7	< 2

### CANDLEPOWER DISTRIBUTION



65.6% Up | 34.4% Dn

Vertical Angle	Horizontal Angle				Zonal Lumens
	0°	22.5°	45°	67.5°	90°
0°	206	206	206	206	206
5°	215	212	210	204	214
15°	202	204	204	213	231
25°	195	189	251	294	301
35°	162	185	264	300	321
45°	125	177	249	274	275
55°	87	142	188	186	172
65°	54	96	111	107	97
75°	26	47	54	64	72
85°	12	25	30	33	28
90°	5	11	15	21	22
95°	21	53	86	68	62
105°	60	117	325	459	498
115°	94	146	361	623	654
125°	115	170	285	518	616
135°	138	197	261	369	434
145°	155	215	251	270	283
155°	166	228	262	273	271
165°	174	196	250	262	257
175°	195	175	183	175	187
180°	194	194	194	194	194

### LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	193	8	8
0-60°	664	27	27
0-90°	845	34	34
90-180°	1614	66	66
Total Luminaire	0-180°	2459	100

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

Vertical Angle	0°	45°	90°
45°	3927	2484	2169
55°	3234	1777	1261
65°	2591	1023	681
75°	1811	504	501
85°	1610	293	237

### CO-EFFICIENTS OF UTILIZATION

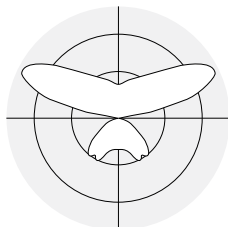
Floor Ceiling Wall	80				70				20					
	70	50	30	10	70	50	30	10	50	30	10	0		
0	103	103	103	103	93	93	93	75	75	58	58	42	42	34
1	94	90	86	82	85	81	75	65	61	50	47	36	35	28
2	85	78	72	67	77	71	61	57	50	44	39	32	29	23
3	78	68	61	55	70	62	51	50	41	38	33	28	24	20
4	71	60	52	46	64	55	43	44	35	34	28	25	21	17
5	65	53	45	39	58	48	36	39	30	30	24	22	18	14
6	60	48	40	34	53	43	31	35	26	27	21	20	15	12
7	55	43	35	29	49	39	27	31	22	25	18	18	13	11
8	51	39	31	26	46	35	24	28	20	22	16	16	12	9
9	47	35	28	23	42	32	21	26	17	20	14	15	11	8
10	44	32	25	20	39	29	19	24	15	19	12	14	10	7

Preliminary performance results shown.

Final photometry conducted by an independent NVLAP accredited testing laboratory in accordance with IESNA LM-79-08 (Jan-2014).

Product	View Suspended	Description	Performance Summary		Light (lm)	Energy (W)	Efficacy (lm/W)	Color Accuracy (CRI) (R9) (SDCM)		
Version	VU1-AB40	70 Up   30 Dn 3076 lumens CCT 4000 K	CCT Color Temperature	4000 K	3076	28.9	106.4	85	22.5	< 2
Report	Fluxwerx			3500 K	2835	28.6	99.1	82	13.7	< 2

### CANDLEPOWER DISTRIBUTION



65.6% Up | 34.4% Dn

Vertical Angle	Horizontal Angle				Zonal Lumens
	0°	22.5°	45°	67.5°	90°
0°	258	258	258	258	258
5°	269	266	262	255	267
15°	252	255	255	266	289
25°	244	236	314	367	376
35°	202	232	330	376	401
45°	156	221	311	343	344
55°	108	178	235	233	216
65°	68	120	139	133	121
75°	33	58	68	80	90
85°	15	31	38	41	42
90°	7	14	19	27	28
95°	26	67	108	85	78
105°	75	147	406	574	623
115°	117	183	452	780	818
125°	144	213	357	648	771
135°	172	247	327	462	542
145°	194	270	314	338	354
155°	208	285	328	341	340
165°	218	245	312	328	321
175°	244	218	229	219	234
180°	243	243	243	243	243

### LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	241	8	8
0-60°	831	27	27
0-90°	1058	34	34
90-180°	2019	66	66
Total Luminaire	0-180°	3076	100

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

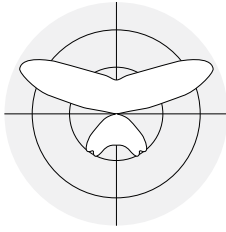
Vertical Angle	0°	45°	90°
45°	4913	3108	2714
55°	4046	2222	1577
65°	3241	1280	852
75°	2265	631	627
85°	2014	366	296

### CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70				20					
	70	50	30	10	70	50	30	10	50	30	10	0		
0	103	103	103	103	93	93	93	75	75	58	58	42	42	34
1	94	90	86	82	85	81	75	65	61	50	47	36	35	28
2	85	78	72	67	77	71	61	57	50	44	39	32	29	23
3	78	68	61	55	70	62	51	50	41	38	33	28	24	20
4	71	60	52	46	64	55	43	44	35	34	28	25	21	17
5	65	53	45	39	58	48	36	39	30	30	24	22	18	14
6	60	48	40	34	53	43	31	35	26	27	21	20	15	12
7	55	43	35	29	49	39	27	31	22	25	18	18	13	11
8	51	39	31	26	46	35	24	28	20	22	16	16	12	9
9	47	35	28	23	42	32	21	26	17	20	14	15	11	8
10	44	32	25	20	39	29	19	24	15	19	12	14	10	7

Product	View Suspended	Description	Performance Summary		Light (lm)	Energy (W)	Efficacy (lm/W)	Color Accuracy		
Version	VU1-AC40	70 Up   30 Dn 3864 lumens CCT 4000 K	CCT Color Temperature		4000 K 3864	37.6	102.8	(CRI) 85	(R9) 22.5	(SDCM) < 2
Report	Fluxwerx				3500 K 3568	37.3	95.6	82	13.7	< 2

### CANDLEPOWER DISTRIBUTION



65.6% Up | 34.4% Dn

Vertical Angle	Horizontal Angle				Zonal Lumens
	0°	22.5°	45°	67.5°	
0°	323	323	323	323	323
5°	338	334	330	320	336
15°	317	321	320	335	363
25°	306	296	395	461	473
35°	254	291	415	472	504
45°	196	278	391	431	432
55°	136	224	295	292	271
65°	85	150	174	168	153
75°	41	73	85	100	113
85°	19	39	48	52	52
90°	8	18	23	34	35
95°	33	84	135	107	98
105°	94	184	510	721	783
115°	147	230	568	979	1027
125°	181	267	448	814	968
135°	216	310	410	580	681
145°	243	339	394	424	445
155°	261	359	412	428	426
165°	274	308	392	412	404
175°	306	274	287	275	293
180°	305	305	305	305	305

### LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	303	8	8
0-60°	1043	27	27
0-90°	1328	34	34
90-180°	2535	66	66
Total Luminaire	3864	100	100

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

Vertical Angle	0°	45°	90°
45°	6170	3904	3408
55°	5082	2791	1981
65°	4071	1608	1071
75°	2845	792	788
85°	2529	460	372

### CO-EFFICIENTS OF UTILIZATION

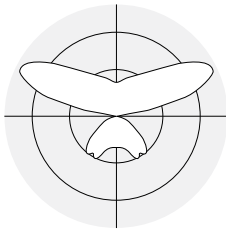
Floor Ceiling Wall	80				70				20						
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
0	103	103	103	103	93	93	93	75	75	58	58	42	42	34	34
1	94	90	86	82	85	81	75	65	61	50	47	36	35	28	28
2	85	78	72	67	77	71	61	57	50	44	39	32	29	23	23
3	78	68	61	55	70	62	51	50	41	38	33	28	24	20	20
4	71	60	52	46	64	55	43	44	35	34	28	25	21	17	17
5	65	53	45	39	58	48	36	39	30	30	24	22	18	14	14
6	60	48	40	34	53	43	31	35	26	27	21	20	15	12	12
7	55	43	35	29	49	39	27	31	22	25	18	18	13	11	11
8	51	39	31	26	46	35	24	28	20	22	16	16	12	9	9
9	47	35	28	23	42	32	21	26	17	20	14	15	11	8	8
10	44	32	25	20	39	29	19	24	15	19	12	14	10	7	7

Preliminary performance results shown.

Final photometry conducted by an independent NVLAP accredited testing laboratory in accordance with IESNA LM-79-08 (Jan-2014).

Product	View Suspended	Description	Performance Summary		Light (lm)	Energy (W)	Efficacy (lm/W)	Color Accuracy		
Version	VU1-AD40	70 Up   30 Dn 4735 lumens CCT 4000 K	CCT Color Temperature		4000 K 4735	48.0	98.6	(CRI) 85	(R9) 22.5	(SDCM) < 2
Report	Fluxwerx				3500 K 4367	47.6	91.7	82	13.7	< 2

### CANDLEPOWER DISTRIBUTION



65.6% Up | 34.4% Dn

Vertical Angle	Horizontal Angle				Zonal Lumens
	0°	22.5°	45°	67.5°	
0°	396	396	396	396	396
5°	414	409	404	392	412
15°	389	393	393	410	444
25°	375	363	484	566	579
35°	311	357	509	578	618
45°	241	341	479	528	529
55°	167	274	362	358	332
65°	104	184	213	205	187
75°	50	90	104	122	139
85°	23	47	58	63	64
90°	10	22	29	41	43
95°	40	103	166	132	120
105°	115	226	625	884	959
115°	181	282	696	1200	1259
125°	222	327	549	998	1187
135°	265	379	503	711	835
145°	298	415	483	520	545
155°	320	439	505	525	523
165°	336	378	481	505	495
175°	376	336	352	338	360
180°	374	374	374	374	374

### LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	371	8	8
0-60°	1278	27	27
0-90°	1628	34	34
90-180°	3107	66	66
Total Luminaire	4735	100	100

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

Vertical Angle	0°	45°	90°
45°	7561	4784	4177
55°	6228	3421	2428
65°	4989	1971	1312
75°	3487	971	966
85°	3099	564	456

### CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70				20						
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
0	103	103	103	103	93	93	93	75	75	58	58	42	42	34	34
1	94	90	86	82	85	81	75	65	61	50	47	36	35	28	28
2	85	78	72	67	77	71	61	57	50	44	39	32	29	23	23
3	78	68	61	55	70	62	51	50	41	38	33	28	24	20	20
4	71	60	52	46	64	55	43	44	35	34	28	25	21	17	17
5	65	53	45	39	58	48	36	39	30	30	24	22	18	14	14
6	60	48	40	34	53	43	31	35	26	27	21	20	15	12	12
7	55	43	35	29	49	39	27	31	22	25	18	18	13	11	11
8	51	39	31	26	46	35	24	28	20	22	16	16	12	9	9
9	47	35	28	23	42	32	21	26	17	20	14	15	11	8	8
10	44	32	25	20	39	29	19	24	15	19	12	14	10	7	7