

With **FloatPlane**, it's easier than ever to integrate sleek and sporty style into your layout and within budget. Fresh and playful, with Curve and Edge profile options, FloatPlane's performance rivals that of high-end LED luminaires with the affordability of fluorescent.

Project: _____

Location: _____

Cat.No: _____

Type: _____

Line ID: _____ Qty: _____

Notes: _____

Ordering guide

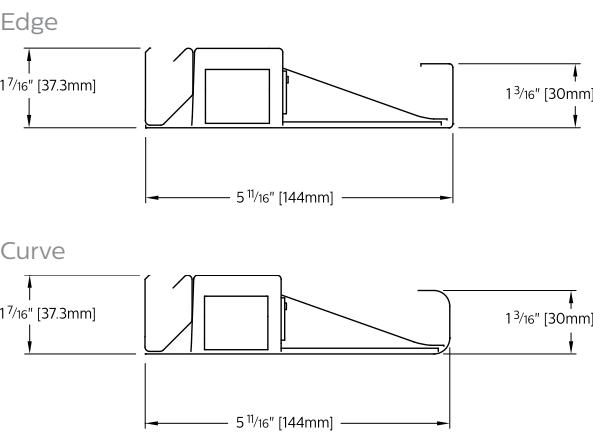
example: 24G8LBGAA087DEW

Family	Version	Source	CRI/CCT ¹	Lumens ¹	Optics	Distribution	Run Length	Wiring ²	Voltage	Driver	Finish
24		L			A					E	
24 FloatPlane	G8 Edge Wall	L LED	A 80CRI/4000K	C 4200 lm/4ft	A Acrylic Diffuser	A Acrylic Diffuser	04 4ft	7 1cct Dimming	D UNV 120-277V	E Advance 0-10V (1% Dim)	W Standard White
	R8 Curve Wall		B 80CRI/3500K	E 3100 lm/4ft		G 75% Down Kit	06 6ft	E 2cct A/B Dimming (Alt. 4ft sections)			T Titanium Silver
			C 80CRI/3000K	G 2200 lm/4ft		J 100% Down Kit	08 8ft	M 1cct Dimming + EM Wiring			B Black
							xx Continuous Run (2ft increments)	N 1cct Dimming + EM Batt. Pack			C Custom

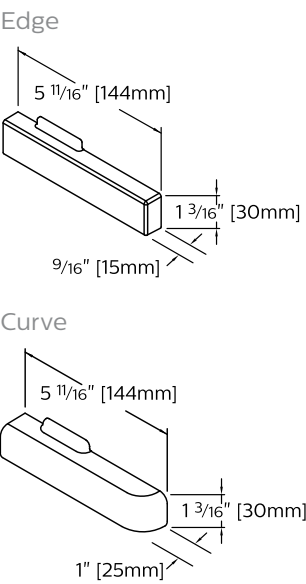
1. Nominal values within a range. Down kits reduce optics & efficacy. Consult photometry data for CRI, color temp, lumens & distribution of chosen configuration.
2. Not all wiring types or sensors are available with all configurations. Consult Ledalite for a complete list of available options.

FloatPlane linear wall

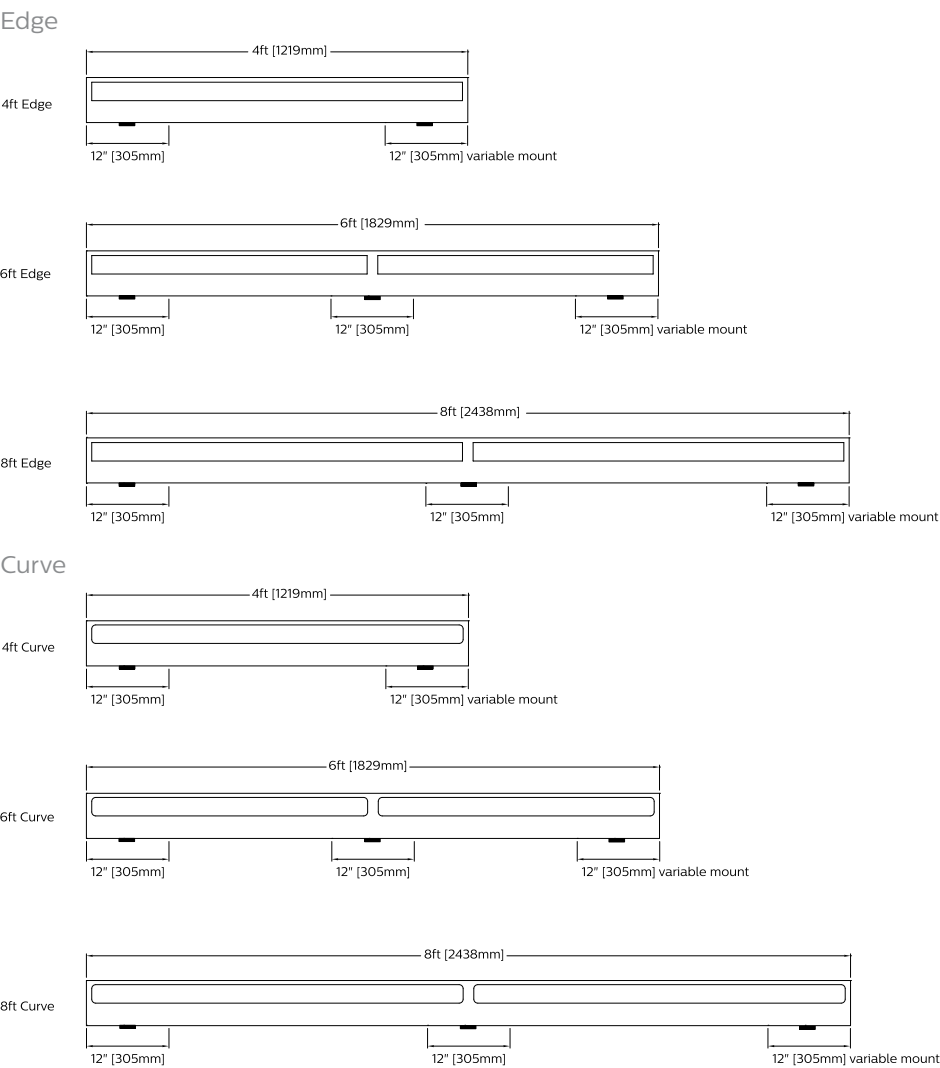
Cross Section View



Cross Section View – Endcaps



Module Details & Dimensions



FloatPlane linear wall

Specifications

Optical System

White light emitted from dual linear arrays of latera lfacing LEDs is diffused and redirected into the upper and lower hemispheres with a combination of high reflectivity elements and acrylic diffusers. This delivers a highly efficient 70% up / 30% down indirect/direct distribution with a wide, homogeneous batwing distribution in the upper hemisphere. Twin polymer diffusers on the lower surface combine for an optical aperture of 5-1/2" to deliver a uniform, controlled brightness, maximizing visual comfort and luminaire efficacy. Factory or field installable variable optics kits are available to modify the distribution to 75% down or close to 100% down light. Field installable dust covers available on suspended versions.

Endcaps

Diecast aluminum endcaps in either Edge or Curve versions to match housing.

Finish

High quality powder coated, available in matte white, black or titanium silver. Other custom colors, including Pacific Aqua and Surf Yellow, available on request.

Housing

Precision formed 18 gauge cold-rolled steel. Approx. cross section size: 1.5"h x 8"w (suspended) or 5.7"w (wall mount).

Weight

Maximum: Suspended 3.5lb/ft, Wall 3.3lb/ft.

Electrical

Factory pre-wired to section ends with quick-wire connectors.

Standard Drivers

Advance Xitanium 0-10V, 1-100%. Class 2 rated output. Consult Ledalite for other available drivers.

Standard Battery Pack

Bodine, 90 min, 10W, Class 2 rated output, Emergency lumen output = 10W x luminaire efficacy x 1.1. Typical output 1400lm.

Lumen Maintenance

LEDs have been tested by the manufacturer in accordance with IESNA LM-80-08. At an ambient temperature of 25°C, the LED lumen maintenance expectation according to IES TM-21-11 is:
L80 (12k) 70,000 hrs suspended / 64,000 hrs wall. (Reported methodology)
L70 (12k) 108,000 hrs suspended / 98,000 hrs wall. (Projected methodology).

Source Color

LEDs rated for color rendering CRI >80, R9 >0 and fixture to fixture color accuracy within 2 SDCM.

Mounting

Wall: A hidden steel rail and bracket system attaches to the existing structure and supports housings close to the wall. Mount positioning is fully variable along the modules to accommodate site conditions, spaced up to 4-1/2' on center and within 12" of an end or joint.

Joints

Self-aligning, gasketed joining system. Access panels in the driver channel allow quick and hassle-free wiring of modules either before or after mechanical joints are completed.

Approvals

Certified to UL, CSA and IES standards. Certain suspended versions (24x5L) are DesignLights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers (www.designlights.org/QPL).

Warranty

Signify indoor professional luminaires 5 year LED warranty: www.signify.com/warranties.

Environment

Rated for dry or damp locations in operating ambient temperatures 0-40°C (32-104°F). Certain luminaire components may be adversely affected by contaminants. Damage caused by sulfur, chlorine, petroleum based solutions or other contaminants in the area of operation are not covered under warranty. Not suitable for natatorium environments.

FloatPlane linear wall

Photometrics

Acrylic Diffusers (AA)

(Click "PDF" and "IES" text to Download)

Lumen Package	Nominal CRI & CCT	Flux (lm)	Watts (W)	Efficacy (LPW)	CRI	R9	RP-1 VDT	DLC*	Photometry Report	IES File
4200 lm/4ft	80CRI, 4000K	4250	37.4	113.6	83	12	Critical spaces	N/A	PDF	IES
	80CRI, 3500K	4210	37.4	112.6	82	6	Critical spaces	N/A	PDF	IES
	80CRI, 3000K	4122	37.0	111.4	81	2	Critical spaces	N/A	PDF	IES
3100 lm/4ft	80CRI, 4000K	3096	26.0	119.1	83	12	Critical spaces	N/A	PDF	IES
	80CRI, 3500K	3067	26.0	118.0	82	6	Critical spaces	N/A	PDF	IES
	80CRI, 3000K	3004	25.7	116.9	81	3	Critical spaces	N/A	PDF	IES
2200 lm/4ft	80CRI, 4000K	2262	18.1	125.0	83	12	Critical spaces	N/A	PDF	IES
	80CRI, 3500K	2240	18.1	123.8	82	6	Critical spaces	N/A	PDF	IES
	80CRI, 3000K	2194	17.9	122.6	81	3	Critical spaces	N/A	PDF	IES

*DLC is only available with Advance 0-10V (1% dim) drivers. EM Batt. Packs are also not available on DLC.

CANDELA DISTRIBUTION						Flux
	0	22.5	45	67.5	90	Lumens
0	213	213	213	213	213	
5	213	213	212	211	211	20
15	210	209	206	203	201	58
25	199	198	194	189	187	89
35	180	179	174	168	165	108
45	153	153	148	143	140	114
55	121	120	116	112	109	104
65	85	84	81	78	75	79
75	46	46	43	40	38	45
85	12	12	10	9	8	12
90	8	5	0	0	0	
95	23	83	22	5	0	54
105	691	419	77	50	47	234
115	813	571	125	84	79	303
125	779	605	164	119	113	300
135	737	566	196	156	147	264
145	641	494	221	194	180	207
155	517	411	237	223	214	143
165	385	330	246	237	236	80
175	278	268	251	244	243	25
180	251	251	251	251	251	

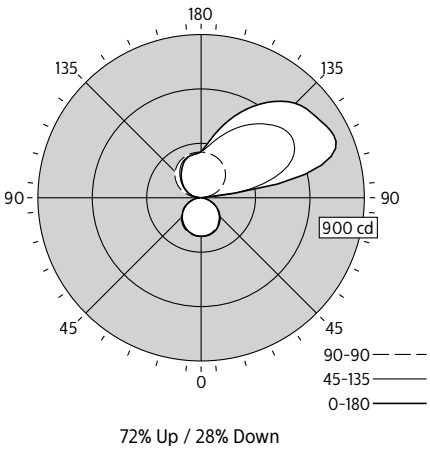
*Photometric data shown is for 2200 lm/4ft, 3500K, 80 CRI configuration.

COEFFICIENTS OF UTILIZATION (%)												
Pc---	80				70				50			
Pw---	70	50	30	10	70	50	30	10	50	30	10	0
RCR												
0	102	102	102	102	91	91	91	71	71	71	28	
1	93	89	85	81	83	79	76	62	60	58	23	
2	84	77	71	66	75	69	64	54	51	48	19	
3	77	68	60	55	68	61	55	48	43	40	16	
4	70	60	52	46	62	54	47	42	37	34	14	
5	64	53	45	39	57	48	41	38	33	29	12	
6	59	47	39	34	52	43	36	34	29	25	10	
7	54	42	35	29	48	38	32	30	25	22	9	
8	50	38	31	26	45	35	28	28	23	19	8	
9	47	35	28	23	42	32	25	25	20	17	7	
10	44	32	25	20	39	29	23	23	18	15	7	

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Fixture	%Lamp
0-30	167	7.5%	7.5%
0-40	275	12.3%	12.3%
0-60	493	22.0%	22.0%
0-90	630	28.1%	28.1%
90-130	891	39.8%	39.8%
90-150	1362	60.8%	60.8%
90-180	1610	71.9%	71.9%
0-180	2240	100.0%	100.0%

Electrical				
120V: P, I, THD, PF	18.1	0.152	7.2	0.994
277V: P, I, THD, PF	18.2	0.068	8.8	0.970
347V: P, I, THD, PF	N/A	N/A	N/A	N/A

AVG LUMINANCE (cd/m²)			
	0	45	90
0	3147	3147	3147
5	3160	3144	3129
15	3212	3149	3071
25	3240	3157	3041
35	3236	3125	2978
45	3195	3088	2918
55	3124	2993	2809
65	2958	2815	2601
75	2618	2444	2153
85	2073	1728	1382



FloatPlane linear wall

Photometrics

Acrylic Diffuser & 75% Down Kit (AG)

Spacing Criteria: 1.30/1.28

(Click "PDF" and "IES" text to Download)

Lumen Package	Nominal CRI & CCT	Flux (lm)	Watts (W)	Efficacy (LPW)	CRI	R9	RP-1 VDT	DLC*	Photometry Report	IES File
4200 lm/4ft	80CRI, 4000K	3541	37.4	94.7	83	12	N/A	N/A	PDF	IES
	80CRI, 3500K	3508	37.4	93.8	82	6	N/A	N/A	PDF	IES
	80CRI, 3000K	3435	37.0	92.8	81	2	N/A	N/A	PDF	IES
3100 lm/4ft	80CRI, 4000K	2579	26.0	99.2	83	12	N/A	N/A	PDF	IES
	80CRI, 3500K	2556	26.0	98.3	82	6	N/A	N/A	PDF	IES
	80CRI, 3000K	2503	25.7	97.4	81	3	N/A	N/A	PDF	IES
2200 lm/4ft	80CRI, 4000K	1885	18.1	104.1	83	12	Critical spaces	N/A	PDF	IES
	80CRI, 3500K	1866	18.1	103.1	82	6	Critical spaces	N/A	PDF	IES
	80CRI, 3000K	1828	17.9	102.1	81	3	Critical spaces	N/A	PDF	IES

*DLC is only available with Advance 0-10V (1% dim) drivers. EM Batt. Packs are also not available on DLC.

CANDELA DISTRIBUTION						Flux
	0	22.5	45	67.5	90	Lumens
0	480	480	480	480	480	
5	479	480	478	476	477	45
15	470	468	465	458	455	131
25	441	439	434	425	420	199
35	396	395	389	378	370	241
45	339	337	330	319	310	252
55	268	268	261	248	242	230
65	188	188	181	169	162	176
75	103	103	96	87	83	100
85	30	29	21	19	17	27
90	7	5	0	0	0	
95	19	21	5	1	1	14
105	163	97	23	3	3	54
115	228	155	49	5	5	79
125	233	176	65	25	9	86
135	220	171	75	45	30	80
145	204	160	82	59	49	67
155	178	141	87	70	64	48
165	135	118	91	79	76	28
175	102	99	92	87	86	9
180	92	92	92	92	92	

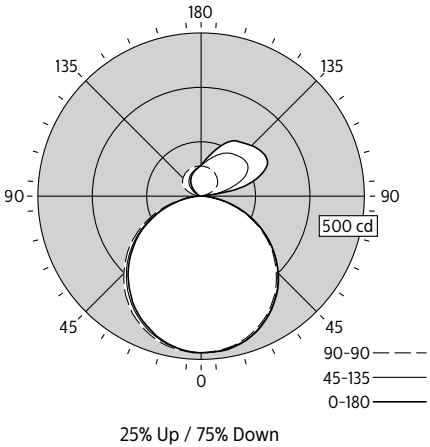
*Photometric data shown is for 2200 lm/ 4ft, 3500K, 80 CRI configuration.

COEFFICIENTS OF UTILIZATION (%)												
Pc---	80				70				50			
Pw---	70	50	30	10	70	50	30	10	50	30	10	0
RCR												
0	113	113	113	113	108	108	108	97	97	97	75	
1	103	98	94	91	98	94	90	85	82	80	63	
2	94	86	79	74	89	82	76	74	69	65	52	
3	85	75	67	61	81	72	65	65	59	55	44	
4	78	66	58	51	74	63	56	58	51	46	37	
5	72	59	50	44	68	57	49	52	45	40	32	
6	66	53	44	38	62	51	43	47	40	35	28	
7	61	48	39	34	58	46	38	42	36	31	25	
8	57	44	35	30	54	42	34	39	32	27	22	
9	53	40	32	27	50	38	31	35	29	24	20	
10	49	37	29	24	47	35	28	33	26	22	18	

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Fixture	%Lamp
0-30	375	20.1%	20.1%
0-40	616	33.0%	33.0%
0-60	1098	58.8%	58.8%
0-90	1401	75.1%	75.1%
90-130	233	12.5%	12.5%
90-150	380	20.3%	20.3%
90-180	465	24.9%	24.9%
0-180	1866	100.0%	100.0%

Electrical				
120V: P, I, THD, PF	18.1	0.152	7.2	0.994
277V: P, I, THD, PF	18.2	0.068	8.8	0.970
347V: P, I, THD, PF	N/A	N/A	N/A	N/A

AVG LUMINANCE (cd/m²)			
	0	45	90
0	7078	7078	7078
5	7090	7075	7060
15	7172	7094	6954
25	7178	7062	6829
35	7133	7005	6655
45	7071	6879	6474
55	6879	6721	6223
65	6557	6307	5666
75	5877	5470	4713
85	5011	3629	2937



FloatPlane linear wall

Photometrics

Acrylic Diffuser & 100% Down Kit (AJ)

Spacing Criteria: 1.30/1.28

(Click "PDF" and "IES" text to Download)

Lumen Package	Nominal CRI & CCT	Flux (lm)	Watts (W)	Efficacy (LPW)	CRI	R9	RP-1 VDT	DLC*	Photometry Report	IES File
4200 lm/4ft	80CRI, 4000K	3356	37.4	89.7	83	12	N/A	N/A	PDF	IES
	80CRI, 3500K	3324	37.4	88.9	82	6	N/A	N/A	PDF	IES
	80CRI, 3000K	3255	37.0	88.0	81	2	N/A	N/A	PDF	IES
3100 lm/4ft	80CRI, 4000K	2444	26.0	94.0	83	12	N/A	N/A	PDF	IES
	80CRI, 3500K	2422	26.0	93.2	82	6	N/A	N/A	PDF	IES
	80CRI, 3000K	2372	25.7	92.3	81	3	N/A	N/A	PDF	IES
2200 lm/4ft	80CRI, 4000K	1786	18.1	98.7	83	12	N/A	N/A	PDF	IES
	80CRI, 3500K	1769	18.1	97.7	82	6	N/A	N/A	PDF	IES
	80CRI, 3000K	1732	17.9	96.8	81	3	N/A	N/A	PDF	IES

*DLC is only available with Advance 0-10V (1% dim) drivers. EM Batt. Packs are also not available on DLC.

CANDELA DISTRIBUTION						Flux
	0	22.5	45	67.5	90	Lumens
0	603	603	603	603	603	
5	604	603	601	598	597	57
15	590	589	584	576	570	164
25	554	551	546	533	525	249
35	497	496	488	473	465	302
45	425	424	415	398	388	316
55	336	335	327	310	301	287
65	236	233	227	211	203	220
75	130	127	119	107	104	125
85	38	35	27	21	21	34
90	0	0	0	0	0	
95	1	1	1	0	0	1
105	2	2	2	1	0	2
115	2	3	2	1	1	2
125	3	4	3	2	1	2
135	3	5	3	2	1	2
145	4	5	3	2	2	2
155	5	5	3	2	2	2
165	4	4	3	2	2	1
175	3	3	3	2	2	0
180	3	3	3	3	3	

*Photometric data shown is for 2200 lm/4ft, 3500K, 80 CRI configuration.

COEFFICIENTS OF UTILIZATION (%)												
Pc---	80				70				50			
Pw---	70	50	30	10	70	50	30	10	50	30	10	0
RCR												
0	119	119	119	119	116	116	116	111	111	111	99	
1	108	104	99	95	106	101	97	97	94	91	83	
2	98	90	83	77	96	88	82	84	79	75	69	
3	90	79	71	64	87	77	70	74	68	62	58	
4	82	70	61	54	80	69	60	66	59	53	49	
5	75	62	53	47	73	61	53	59	51	46	42	
6	70	56	47	41	68	55	47	53	46	40	37	
7	64	51	42	36	63	50	42	48	41	35	33	
8	60	46	38	32	58	46	37	44	37	31	29	
9	56	42	34	29	55	42	34	41	33	28	26	
10	52	39	31	26	51	39	31	38	31	26	24	

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Fixture	%Lamp
0-30	471	26.6%	26.6%
0-40	773	43.7%	43.7%
0-60	1377	77.8%	77.8%
0-90	1755	99.2%	99.2%
90-130	7	0.4%	0.4%
90-150	11	0.6%	0.6%
90-180	14	0.8%	0.8%
0-180	1769	100.0%	100.0%

Electrical				
120V: P, I, THD, PF	18.1	0.152	7.2	0.994
277V: P, I, THD, PF	18.2	0.068	8.8	0.970
347V: P, I, THD, PF	N/A	N/A	N/A	N/A

AVG LUMINANCE (cd/m²)			
	0	45	90
0	8900	8900	8900
5	8949	8904	8844
15	9012	8918	8700
25	9023	8890	8541
35	8953	8788	8365
45	8860	8647	8093
55	8638	8402	7745
65	8232	7911	7091
75	7390	6808	5935
85	6393	4493	3629

