

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. Available tunable white technology gives you the ability to vary color temperature and intensity, harmonizing lighting with your daily life.

Project: _____

Location: _____

Cat.No: _____

Type: _____

Line ID: _____ Qty: _____

Notes: _____

Ordering guide

example: 24G5L2EAA087DEW, A2-48

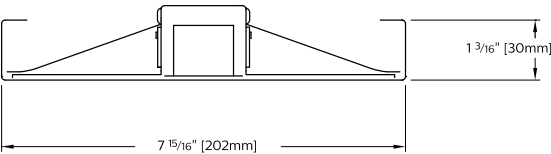
Family	Version	Source	CCT ¹	Lumens ¹	Optics	Distribution	Run Length	Wiring ²
24		L	2		A			
24 FloatPlane	G5 Edge Suspended R5 Curve Suspended	L LED	2 2-channel Tunable White 2700-6500K	C 4500 lm/4ft E 3200 lm/4ft	A Acrylic Diffuser	A Acrylic Diffuser G 75% Down Kit J 100% Down Kit	04 4ft 06 6ft 08 8ft xx Continuous Run (2ft increments)	7 1cct Dimming N 1cct Dimming + EM Batt. Pack
Voltage	Driver	Finish	Mount Type			Suspension		
D	E							
D UNV 120-277V	E Advance DALI (2 Drivers)	W Standard White T Titanium Silver B Black C Custom	A1 Non-accessible ceiling, 0°-15° Slope Mount A2 T-grid Fixed Position Mount A3 Non-accessible ceiling, 0°-90° Slope Mount A5 T-grid 24" Span Mount (non tegular tile only) A6-1 T-grid On-grid Mount 15/16" (non tegular tile only) A6-2 T-grid On-grid Mount 9/16" (non tegular tile only) A6-3 T-grid On-grid Mount 9/16" x 5/16" (slot tee & tegular tile)			24 24" 48 48" 96 96" 144 144"		

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.

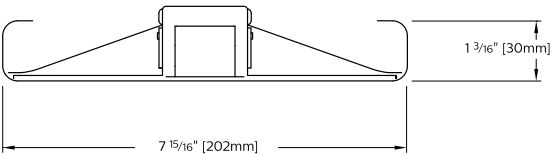
FloatPlane linear suspended with tunable white

Cross Section View

Edge

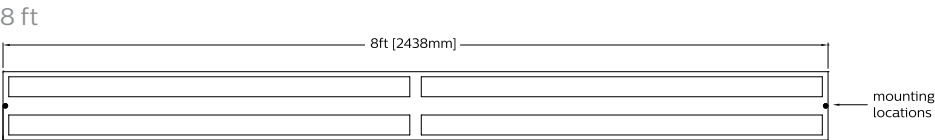
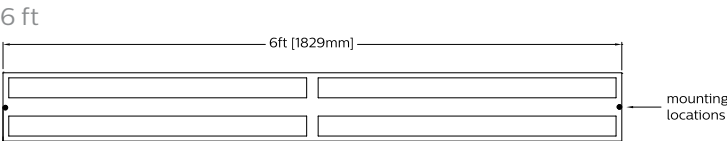
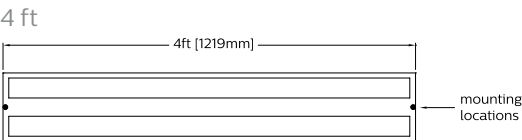


Curve

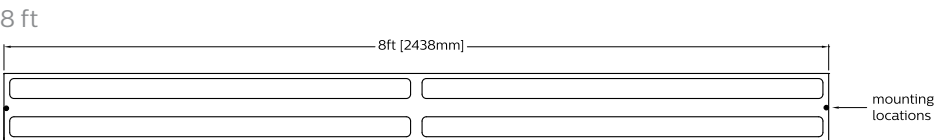
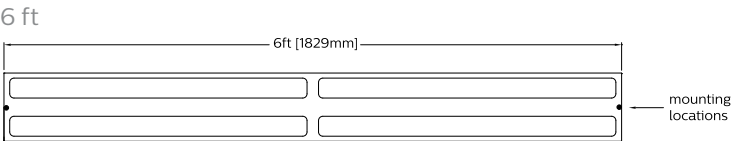
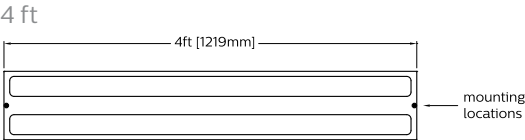


Module Details & Dimensions

Edge

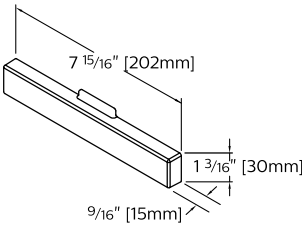


Curve

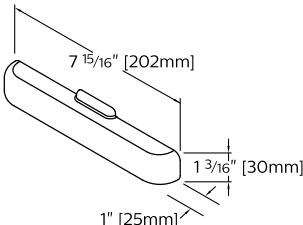


Cross Section View – Endcaps

Edge



Curve



FloatPlane linear suspended with tunable white

Specifications

Optical System

White light emitted from dual linear arrays of lateralfacing LEDs is diffused and redirected into the upper and lower hemispheres through a combination of high reflectivity components and acrylic diffusers. This delivers a high efficiency 70% up / 30% down indirect/direct distribution with a wide, homogeneous batwing distribution in the upper hemisphere. Twin polymer diffusers on the lower surface with a combined optical aperture of 5-1/2" deliver a uniform, controlled brightness to maximize 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.

Electrical

Pre-wired to module ends, quick-wire connectors included.

Lumen Maintenance

Lumen maintenance of the LEDs has been tested by the manufacturer in accordance with IESNA LM-80-08. At an ambient temperature of 25°C, the LED lumen maintenance expectation is L80(l2K)>72,000h according to IES TM-21-11 Addendum A Reported methodology.

Housing

Precision formed 18 gauge cold-rolled steel. Approx. cross section size: 1.5"h x 8"w

Mounting

Rapid installation sling mount at joints and ends. High strength aircraft cable and stainless steel gripper provide unlimited vertical adjustment and are independently tested to meet stringent safety requirements.

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.

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.

Warranty

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

Weight

Maximum 3.5lb/ft

Approvals

Certified to UL, CSA and IES standards.

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.

Dimming

Color accuracy held to 5% at 2700K and 6500K and 10% at 4000K.

Controls

Luminaires are not sold individually and are only compatible with load controllers, sensors, user interfaces and front end software from Signify. Signify controls platform allows for more flexibility with customized lighting scenes and behaviors as well as scalability of the tunable white solution into a more extensive lighting network management system.

FloatPlane linear suspended with tunable white

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	Photometry Report	IES File
4500 lm/4ft	80CRI, 6500K	4522	37.3	121.2	85	15	Critical spaces	PDF	IES
	80CRI, 5000K	4513	38.5	117.2	87	29	Critical spaces		
	80CRI, 4000K	4616	39.4	117.2	87	29	Critical spaces		
	80CRI, 3500K	4517	39.5	114.4	86	24	Critical spaces		
	80CRI, 3000K	4514	41.4	109.0	84	14	Critical spaces		
	80CRI, 2700K	4453	39.2	113.6	82	8	Critical spaces		
3200 lm/4ft	80CRI, 6500K	3332	27.0	123.4	85	14	Critical spaces	PDF	IES
	80CRI, 5000K	3314	29.1	113.9	87	29	Critical spaces		
	80CRI, 4000K	3405	30.0	113.5	88	30	Critical spaces		
	80CRI, 3500K	3352	30.2	111.0	86	24	Critical spaces		
	80CRI, 3000K	3383	31.5	107.4	84	14	Critical spaces		
	80CRI, 2700K	3363	29.1	115.6	83	9	Critical spaces		

CANDELA DISTRIBUTION						Flux
	0	22.5	45	67.5	90	Lumens
0	322	322	322	322	322	
5	320	319	320	319	320	30
15	308	306	308	304	307	86
25	286	281	284	278	281	130
35	255	247	251	244	250	155
45	214	206	212	204	208	161
55	168	159	164	156	164	144
65	117	109	114	106	114	109
75	63	55	62	53	62	62
85	19	11	18	14	19	20
90	8	13	11	12	12	
95	43	82	142	106	146	138
105	121	184	394	569	638	395
115	191	286	486	622	666	450
125	251	348	522	624	656	436
135	297	376	519	615	644	382
145	332	387	492	573	593	301
155	355	389	456	514	529	209
165	369	384	415	449	448	118
175	376	378	382	391	388	37
180	377	377	377	377	377	

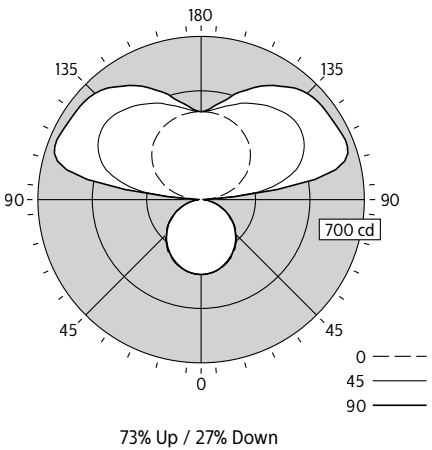
*Photometric data shown is for 3200 lm/4ft, 2700K, 80 CRI configuration.

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	70	70	70	27	
1	92	88	84	81	82	79	76	61	59	57	22	
2	84	77	71	66	75	69	64	54	50	47	19	
3	77	67	60	55	68	60	54	47	43	40	16	
4	70	60	52	46	62	53	47	42	37	34	13	
5	64	53	45	39	57	47	41	37	32	29	12	
6	59	47	39	34	52	42	36	33	29	25	10	
7	54	42	35	29	48	38	32	30	25	22	9	
8	50	38	31	26	45	35	28	27	23	19	8	
9	47	35	28	23	42	31	25	25	20	17	7	
10	43	32	25	20	39	29	23	23	18	15	6	

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Fixture	%Lamp
0-30	246	7.3%	7.3%
0-40	402	12.0%	12.0%
0-60	707	21.0%	21.0%
0-90	898	26.7%	26.7%
90-130	1418	42.2%	42.2%
90-150	2102	62.5%	62.5%
90-180	2465	73.3%	73.3%
0-180	3363	100.0%	100.0%

Electrical				
120V: P, I, THD, PF	29.1	0.244	10.8	0.992
277V: P, I, THD, PF	28.9	0.112	16.8	0.930
347V: P, I, THD, PF	N/A	N/A	N/A	N/A

AVG LUMINANCE (cd/m²)			
	0	45	90
0	1588	1588	1588
5	1586	1586	1584
15	1573	1576	1568
25	1559	1549	1534
35	1537	1514	1506
45	1495	1478	1454
55	1447	1409	1411
65	1372	1328	1330
75	1208	1185	1176
85	1060	1031	1094



FloatPlane linear suspended with tunable white

Photometrics

Acrylic Diffuser & 75% Down Kit (AG)

Spacing Criteria: 1.28/1.26

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

Lumen Package	Nominal CRI & CCT	Flux (lm)	Watts (W)	Efficacy (LPW)	CRI	R9	RP-1 VDT	Photometry Report	IES File
4500 lm/4ft	80CRI, 6500K	3773	37.3	101.1	85	15	N/A	PDF	IES
	80CRI, 5000K	3765	38.5	97.8	87	29	N/A		
	80CRI, 4000K	3851	39.4	97.7	87	29	N/A		
	80CRI, 3500K	3768	39.5	95.4	86	24	N/A		
	80CRI, 3000K	3766	41.4	91.0	84	14	N/A		
	80CRI, 2700K	3715	39.2	94.8	82	8	N/A		
3200 lm/4ft	80CRI, 6500K	2779	27.0	102.9	85	14	Normal spaces	PDF	IES
	80CRI, 5000K	2764	29.1	95.0	87	29	Normal spaces		
	80CRI, 4000K	2840	30.0	94.7	88	30	Normal spaces		
	80CRI, 3500K	2796	30.2	92.6	86	24	Normal spaces		
	80CRI, 3000K	2822	31.5	89.6	84	14	Normal spaces		
	80CRI, 2700K	2805	29.1	96.4	83	9	Normal spaces		

CANDELA DISTRIBUTION						Flux
	0	22.5	45	67.5	90	Lumens
0	716	716	716	716	716	
5	713	712	712	712	712	68
15	692	688	691	690	688	195
25	646	642	645	643	640	296
35	578	573	577	573	571	360
45	491	488	489	486	485	376
55	386	385	383	381	380	342
65	270	267	266	264	263	263
75	142	142	141	140	139	149
85	32	33	35	35	35	41
90	0	2	3	4	4	
95	9	13	20	19	18	22
105	35	41	76	111	126	81
115	74	85	122	162	176	121
125	99	116	152	181	190	132
135	116	133	166	188	199	124
145	128	140	169	189	198	104
155	136	144	160	176	183	74
165	140	143	152	158	162	43
175	142	142	143	145	145	14
180	142	142	142	142	142	

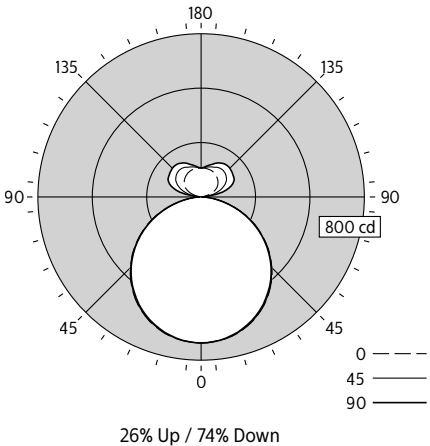
*Photometric data shown is for 3200 lm/4ft, 2700K, 80 CRI configuration.

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	107	107	107	97	97	97	74	
1	103	98	94	90	98	94	90	85	82	79	62	
2	94	86	79	73	89	82	76	74	69	65	52	
3	85	75	67	61	81	72	64	65	59	54	43	
4	78	66	58	51	74	63	56	58	51	46	37	
5	71	59	50	44	68	56	49	51	45	40	32	
6	66	53	44	38	62	51	43	46	40	35	28	
7	61	48	39	34	58	46	38	42	35	31	24	
8	57	44	35	30	54	42	34	38	32	27	22	
9	53	40	32	27	50	38	31	35	29	24	20	
10	49	37	29	24	47	35	28	32	26	22	18	

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Fixture	%Lamp
0-30	559	19.9%	19.9%
0-40	918	32.7%	32.7%
0-60	1637	58.4%	58.4%
0-90	2089	74.5%	74.5%
90-130	357	12.7%	12.7%
90-150	585	20.8%	20.8%
90-180	716	25.5%	25.5%
0-180	2805	100.0%	100.0%

Electrical				
120V: P, I, THD, PF	29.1	0.244	10.8	0.992
277V: P, I, THD, PF	28.9	0.112	16.8	0.930
347V: P, I, THD, PF	N/A	N/A	N/A	N/A

AVG LUMINANCE (cd/m²)			
	0	45	90
0	3537	3537	3537
5	3535	3530	3530
15	3539	3534	3518
25	3521	3515	3488
35	3485	3479	3443
45	3430	3416	3388
55	3324	3298	3272
65	3156	3109	3074
75	2710	2691	2653
85	1814	1984	1984



FloatPlane linear suspended with tunable white

Photometrics

Acrylic Diffuser & 100% Down Kit (AJ)

Spacing Criteria: 1.27/1.26

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

Lumen Package	Nominal CRI & CCT	Flux (lm)	Watts (W)	Efficacy (LPW)	CRI	R9	RP-1 VDT	Photometry Report	IES File
4500 lm/4ft	80CRI, 6500K	3554	37.3	95.3	85	15	N/A	PDF	IES
	80CRI, 5000K	3547	38.5	92.1	87	29	N/A		
	80CRI, 4000K	3628	39.4	92.1	87	29	N/A		
	80CRI, 3500K	3550	39.5	89.9	86	24	N/A		
	80CRI, 3000K	3548	41.4	85.7	84	14	N/A		
	80CRI, 2700K	3500	39.2	89.3	82	8	N/A		
3200 lm/4ft	80CRI, 6500K	2619	27.0	97.0	85	14	N/A	PDF	IES
	80CRI, 5000K	2604	29.1	89.5	87	29	N/A		
	80CRI, 4000K	2676	30.0	89.2	88	30	N/A		
	80CRI, 3500K	2634	30.2	87.2	86	24	N/A		
	80CRI, 3000K	2659	31.5	84.4	84	14	N/A		
	80CRI, 2700K	2643	29.1	90.8	83	9	N/A		

CANDELA DISTRIBUTION						Flux
	0	22.5	45	67.5	90	Lumens
0	902	902	902	902	902	
5	899	899	899	899	897	85
15	873	867	870	870	865	245
25	814	809	812	810	807	373
35	727	722	725	721	718	452
45	618	613	614	609	609	472
55	486	482	481	477	477	429
65	337	335	332	328	328	328
75	180	176	175	174	174	186
85	40	42	44	45	45	51
90	0	0	0	0	0	
95	2	1	0	0	0	1
105	3	2	2	1	1	2
115	3	4	3	2	2	3
125	4	4	4	3	3	3
135	5	5	5	4	4	4
145	6	5	5	5	4	3
155	6	5	5	4	4	2
165	5	5	5	5	5	1
175	5	5	4	4	4	0
180	5	5	5	5	5	

*Photometric data shown is for 3200 lm/4ft, 2700K, 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	32	29	
9	56	43	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	704	26.6%	26.6%
0-40	1156	43.7%	43.7%
0-60	2057	77.9%	77.9%
0-90	2623	99.3%	99.3%
90-130	9	0.3%	0.3%
90-150	16	0.6%	0.6%
90-180	20	0.7%	0.7%
0-180	2643	100.0%	100.0%

Electrical				
120V: P, I, THD, PF	29.1	0.244	10.8	0.992
277V: P, I, THD, PF	28.9	0.112	16.8	0.930
347V: P, I, THD, PF	N/A	N/A	N/A	N/A

AVG LUMINANCE (cd/m²)			
	0	45	90
0	4455	4455	4455
5	4457	4457	4448
15	4464	4449	4423
25	4436	4425	4398
35	4384	4372	4329
45	4317	4289	4254
55	4185	4142	4108
65	3939	3880	3834
75	3435	3340	3321
85	2267	2494	2550

