



Linear

FloatPlane Suspended LED

Tunable White
2700-6500K, 4500 lm/4ft



Project: _____
 Spec Type: _____
 Catalog No: 24x5L2CAA
 Qty _____
 Line Notes: _____

With FloatPlane LED, 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.

Ordering guide

Product Type	Version	Source	Color Temp *	Lumens *	Lower Optics	Upper Optics	Run Length	Wiring †	Voltage	Driver	Finish
<input type="text" value="24"/>	<input type="text"/>	<input type="text" value="L"/>	<input type="text" value="2"/>	<input type="text" value="C"/>	<input type="text" value="A"/>	<input type="text" value="A"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
24 FloatPlane	G5 Edge Suspended R5 Curve Suspended	L LED	2 2channel 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 4' 06 6' 08 8' Total run length (2' increments)	7 1 cct w/ Dimming N 1 cct w/ Dim & BP	1 120V 2 277V	E Philips Advance	W Standard White T Titanium Silver C Custom

* Nominal values within a range. Consult ies file for exact color temp, lumens and distribution † Not all wiring types are available with all configurations. Consult factory for complete list of available options

Mounting Hardware

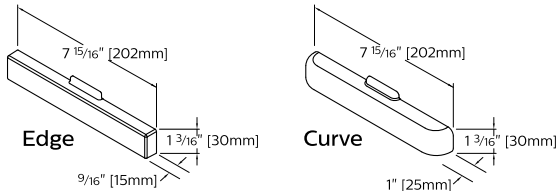
Mount Type
Consult separate mounting spec sheet for mount type options

Suspension Length
Distance from ceiling to top of luminaire in inches

Endcaps -

Integrated Controls Please indicate with check mark.

No Options Available



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Optical System

White light emitted from dual linear arrays of lateral-facing 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(12K)>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

Philips indoor professional luminaires 5 year LED warranty:
<http://www.philips.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.

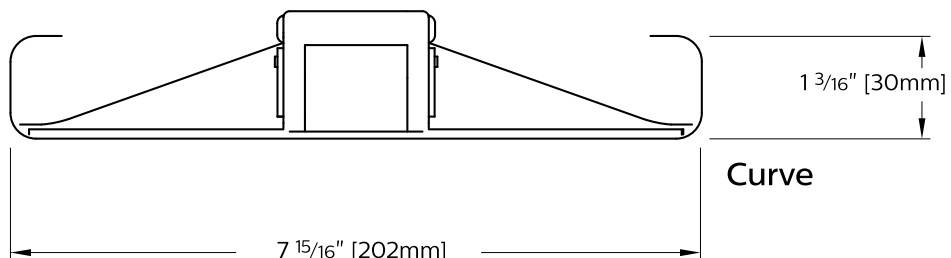
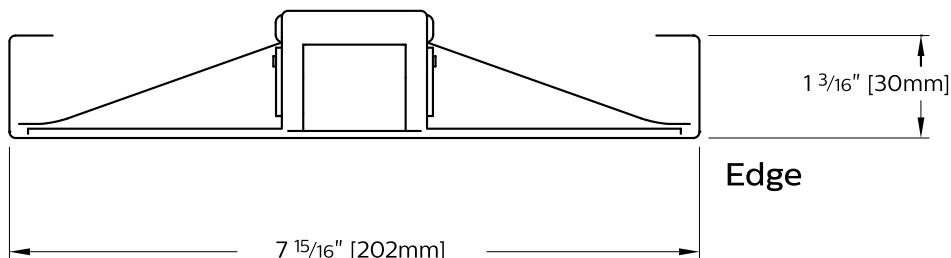
Controls

Luminaires are not sold individually and are only compatible with load controllers, sensors, user interfaces and front end software from Philips. Philips 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. To learn more about the Philips controls solution please visit our tunable white page or <http://www.lightingproducts.philips.com/our-brands/philips-controls/dynalite.html>

Due to continuing product improvements, Philips Ledalite reserves the right to change the specifications without notice.

Options and Details

Cross Section

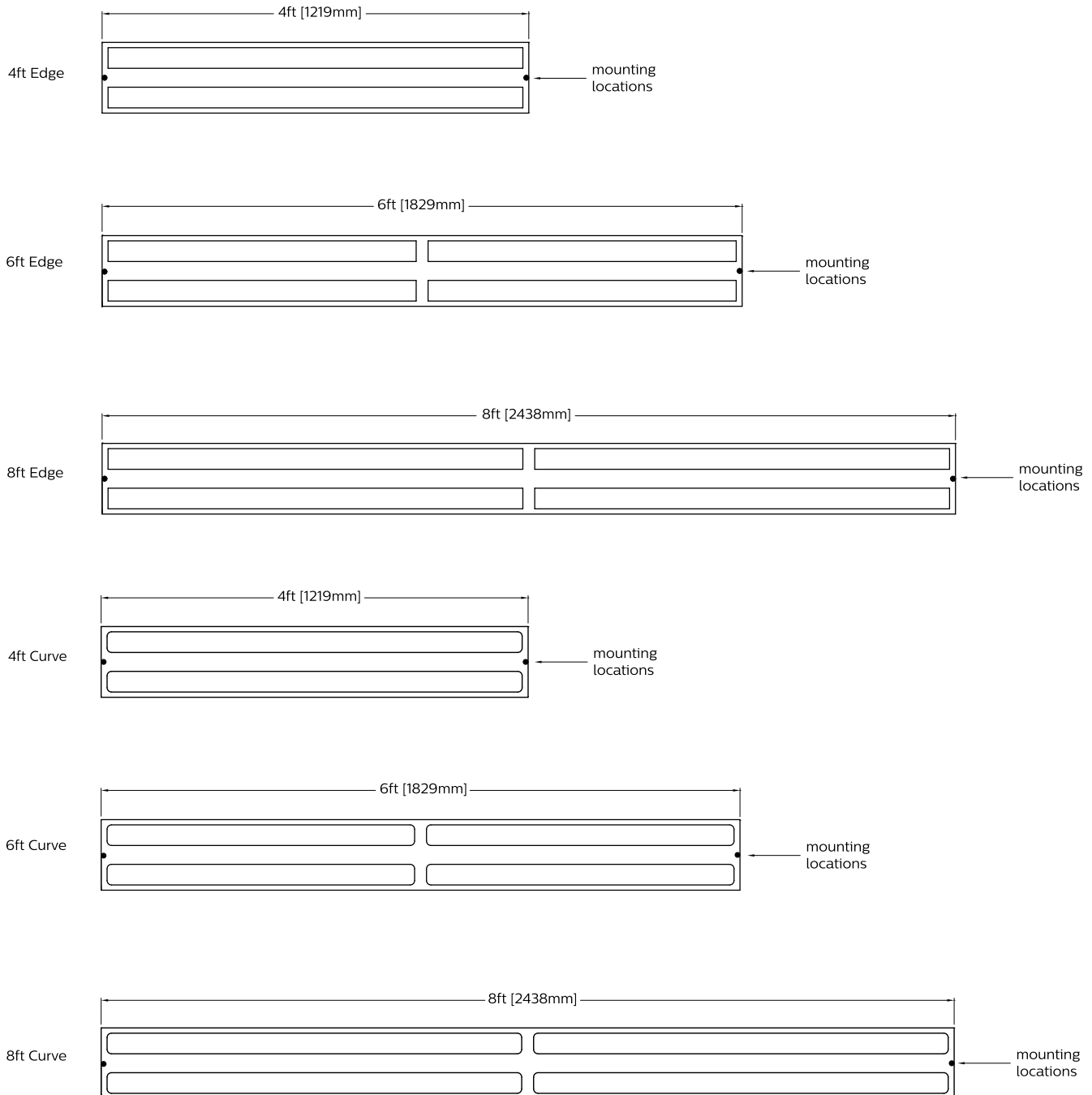


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Modules

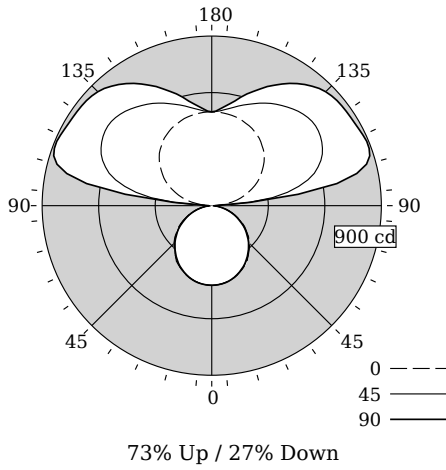


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Photometry - 2700K



Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	423	423	423	423	423	0
5	420	419	421	420	421	40
15	405	401	406	401	405	114
25	375	370	376	369	373	171
35	334	325	333	323	329	205
45	285	275	278	269	276	212
55	221	212	217	208	215	191
65	152	143	148	139	148	144
75	82	73	81	71	81	82
85	24	16	22	18	23	26
90	8	16	17	16	17	0
95	52	105	199	161	208	187
105	160	243	528	757	850	526
115	252	375	648	824	886	597
125	327	459	691	826	872	576
135	393	494	687	815	855	506
145	438	511	649	760	791	398
155	468	513	600	678	698	275
165	488	507	547	590	596	156
175	497	500	505	515	516	49
180	498	498	498	498	498	0

Photometry based on 4ft white luminaire. Black, Titanium and Custom color finishes may reduce delivered lumens. Custom color finishes may shift output color temperature.

Fixture photometry has been conducted in accordance with IESNA LM-79-08

IES files for this and other photometric options can be downloaded online at www.lightingproducts.philips.com

Coefficients of Utilization (%)

RCR	Ceiling										Walk												
	70	50	30	10	70	50	30	10	50	30	10	0	70	50	30	10	0						
0	102	102	102	102	91	91	91	70	70	70	27	0	92	88	84	81	82	79	76	61	59	57	22
1	84	77	71	66	75	69	64	54	50	47	18	0	77	67	60	55	68	60	54	47	43	40	16
2	70	60	52	46	62	53	47	42	37	34	13	0	64	53	45	39	57	47	41	37	32	29	11
3	59	47	39	34	52	42	36	33	28	25	10	0	54	42	35	29	48	38	32	30	25	22	9
4	50	38	31	26	45	35	28	27	23	19	8	0	47	35	28	23	42	31	25	25	20	17	7
5	43	32	25	20	39	29	23	23	18	15	6	0	43	32	25	20	39	29	23	23	18	15	6

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle		
	0	45	90
55	1905	1866	1855
65	1777	1730	1726
75	1569	1550	1546
85	1332	1264	1315

Distribution Specifications

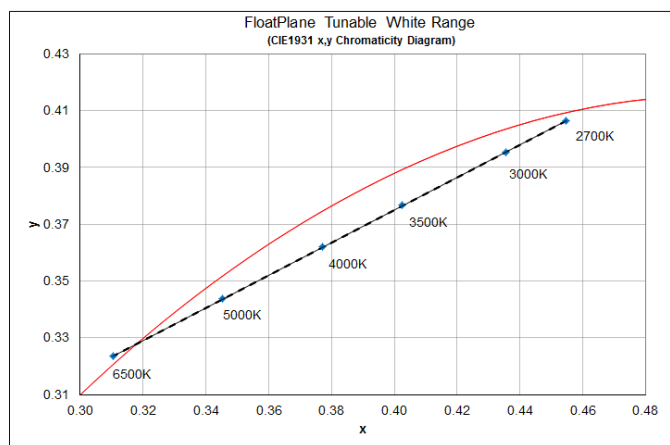
Hemisphere	73% Up / 27% Down
Peak/Zenith	1.79
Peak Output	891 cd
Glare Control	Meets RP-1-12 recommendations for VDT-Critical spaces

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Nominal CCT:	2700K	3000K	3500K	4000K	5000K	6500K
Flux (lm)	4453	4514	4517	4616	4513	4522
Efficacy (lm/W)	113.6	109.0	114.4	117.2	117.2	121.2
Power (W)	39.2	41.4	39.5	39.4	38.5	37.3
CCT (K)	2741	2953	3443	3980	4962	6678
CRI	82	84	86	87	87	85
R9	8	14	24	29	29	15
x	0.4547	0.4355	0.4025	0.3771	0.3453	0.3104
y	0.4064	0.3955	0.3766	0.3620	0.3437	0.3236
Duv	-0.0011	-0.0032	-0.0057	-0.0061	-0.0041	0.0016



Electrical Specifications - 2700K

Input Voltage	120V	277V
Input Power	39.2W	38.7W
Input Current	0.33A	0.15A
Power Factor	0.995	0.952
Total Harm. Distortion	9%	14.9%
Tested values – contact technical support for rated values.		

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www.philips.com/luminaires

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