PHILIPS
LEDALITE

Linear

FloatPlane Suspended LED

Tunable White
2700-6500K, 3200 lm/4ft



Project:
Spec Type:
Catalog No: 24x5L2EAA
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
24		L	2	E	A	A					
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

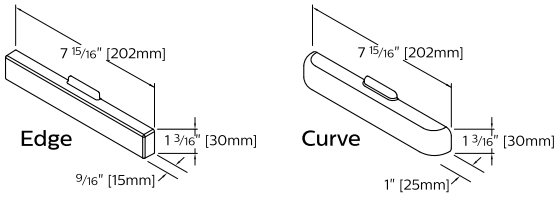
* Nominal values within a range. Consult ies file for exact color temp, lumens and distribution † Not all wiring types are available with all configurations. Consult factory for complete list of available options

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 - Edge/Curve



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.

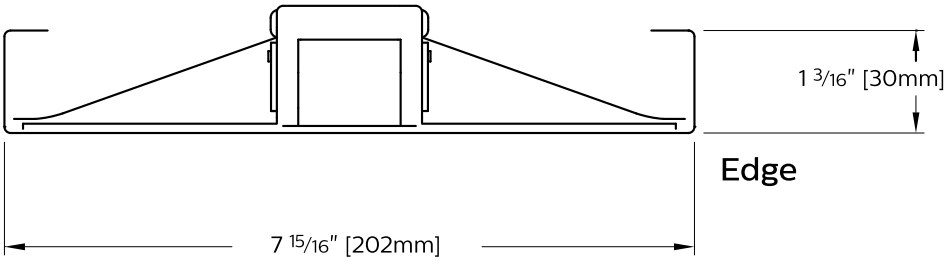
Controls

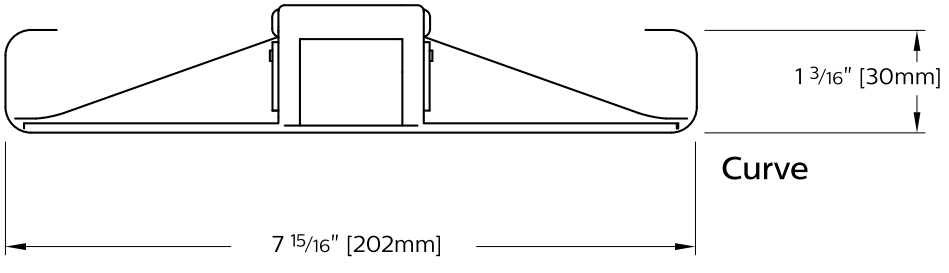
Luminaires are not sold individually and are only compatible with load controllers, sensors, user interfaces and front end software from Philips. Philips controls platform allows for more flexibility with customized lighting scenes and behaviors as well as scalability of the tunable white solution into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



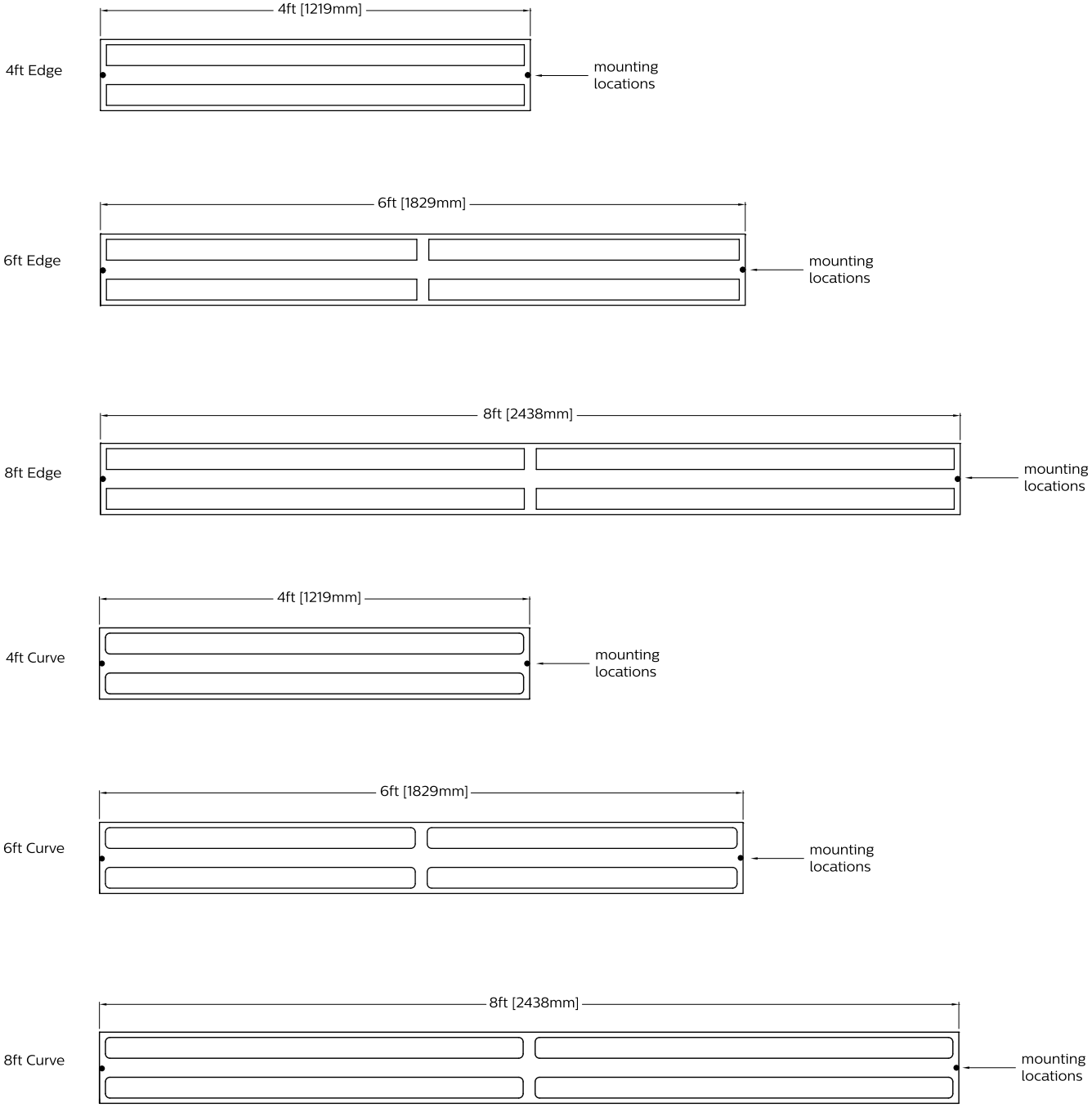


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Modules

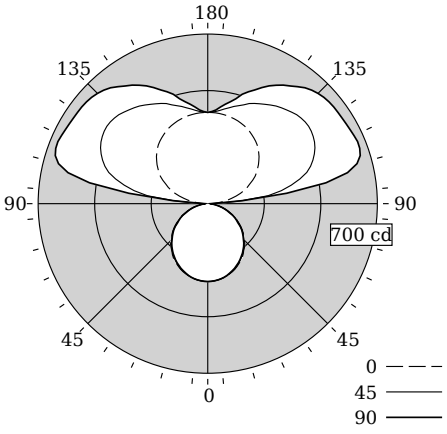


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Photometry - 2700K



73% Up / 27% Down

Candela Distribution

Vertical Angle	Horizontal Angle 0	22.5	45	67.5	90	Zonal Lumens
0	322	322	322	322	322	0
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	0
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	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:	80				70			50			0
	Wall:	70	50	30	10	70	50	30	50	30	10	0
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

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle 0	45	90
55	1447	1409	1411
65	1372	1328	1330
75	1208	1185	1176
85	1060	1031	1094

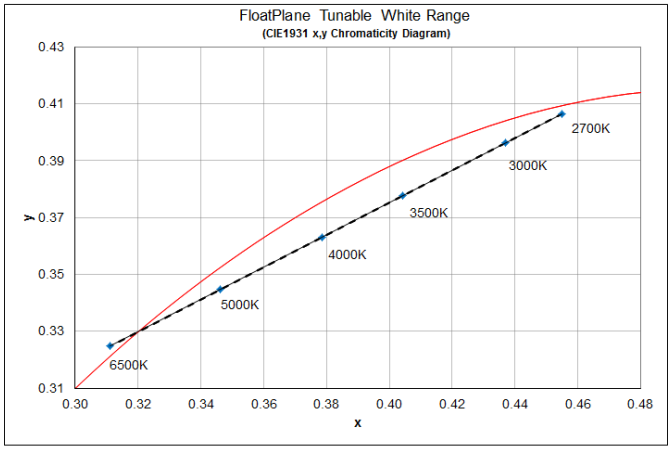
Distribution Specifications

Hemisphere	73% Up / 27% Down
Peak/Zenith	1.78
Peak Output	670 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)	3363	3383	3352	3405	3314	3332
Efficacy (lm/W)	115.6	107.4	111.0	113.5	113.9	123.4
Power (W)	29.1	31.5	30.2	30.0	29.1	27.0
CCT (K)	2736	2936	3414	3948	4930	6633
CRI	83	84	86	88	87	85
R9	9	14	24	30	29	14
x	0.4551	0.4369	0.4042	0.3785	0.3462	0.3110
y	0.4066	0.3963	0.3777	0.3631	0.3447	0.3247
Duv	-0.0011	-0.0031	-0.0056	-0.0060	-0.0040	0.0019



Electrical Specifications - 2700K

Input Voltage	120V	277V
Input Power	29.1W	28.9W
Input Current	0.24A	0.11A
Power Factor	0.992	0.93
Total Harm. Distortion	10.8%	16.8%
Tested values – contact technical support for rated values.		

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www.philips.com/luminaires

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