PHILIPS
LEDALITE

Linear

FloatPlane Wall LED

Asymmetric
CRI >80 4000K, 2200 lm/4ft

LED

Project:	
Spec Type:	
Catalog No:	24x8LAGAJ
Qty	
Line Notes:	

Interior spaces should resonate, evoke emotion and satisfy a purpose. With FloatPlane LED, it's easier than ever to integrate sleek and sporty style into your layout and within your budget. Fresh and playful with two profile options, Curve and Edge, FloatPlane's performance rivals that of high-end LED luminaires with the affordability of fluorescent.

Ordering guide

Product Type	Version	Source	Color Temp *	Lumens *	Lower Optics	Upper Optics	Run Length	Wiring †	Voltage	Driver	Finish
24		L	A	G	A	J					

Product Type	Version	Source	Color Temp *	Lumens *	Lower Optics	Upper Optics	Run Length	Wiring †	Voltage	Driver	Finish
24 FloatPlane	G8 Edge Wall	L LED	A 4000K	C 4200 lm/4ft	A Acrylic diffuser	A Acrylic diffuser	04 4'	1 1cct	1 120V	E Philips Advance	W Standard White
	R8 Curve Wall		B 3500K	E 3100 lm/4ft		G 75% Down Kit	06 6'	3 1cct w/ EM cct	2 277V		T Titanium Silver
			C 3000K	G 2200 lm/4ft		J 100% Down Kit	08 8'	5 1cct w/ BP	3 347V	Other drivers available – consult factory	B Black
							XX Total run length (2' increments)	7 1cct w/ Dimming			C Custom
								8 1cct w/ TW			
								B 2 cct A/B			
								N 1cct w/ Dim & BP			

* Nominal values within a range. Consult ies file for exact color temp, lumens and up/down distribution † Consult website for complete list of standard wiring options
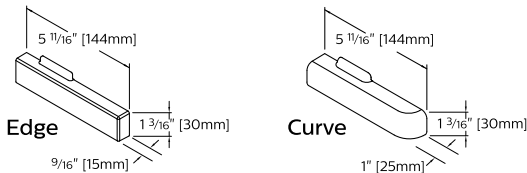
Mounting Hardware

Wall	**Mount Type** Consult separate mounting spec sheet for mount type options

Endcaps - Edge/Curve

5 11/16" [144mm]

Edge
1 3/16" [30mm]
9/16" [15mm]

5 11/16" [144mm]

Curve
1 3/16" [30mm]
1" [25mm]

Integrated Controls Please indicate with check mark.

No Options Available

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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

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.

Standard Driver

Philips Advance Xitanium. Output is Class 2 rated. Dimming: 0-10V, 5-100%.

Electrical

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

Mounting

Suspended: 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.
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, but should be no more than 4-1/2ft on center and always 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.

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.

Approvals

Certified to UL, CSA and IES standards.

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:
Suspended:L$_{80}$ (12k) 70,000 hrs
Wall mount:L$_{80}$ (12k) 64,000 hrs
according to IES TM-21-11 Addendum A **Reported** methodology

Warranty

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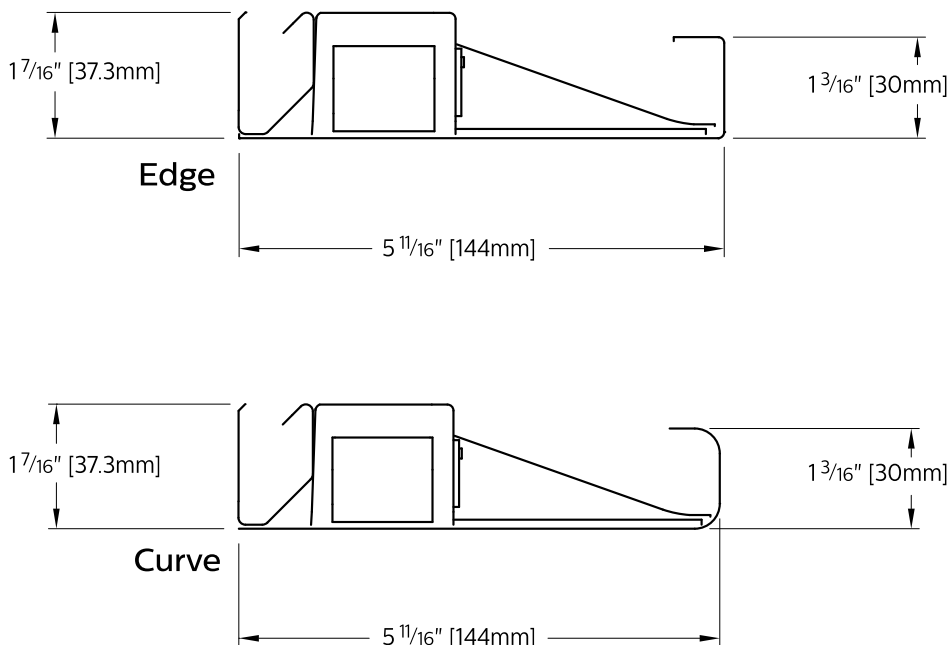http://www.philips.com/warranties

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.

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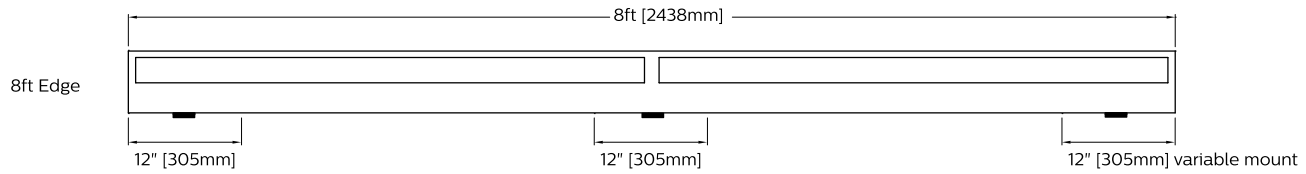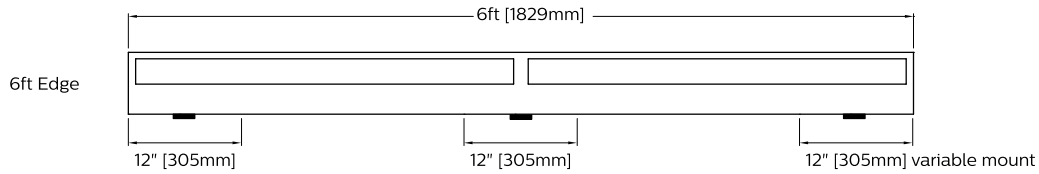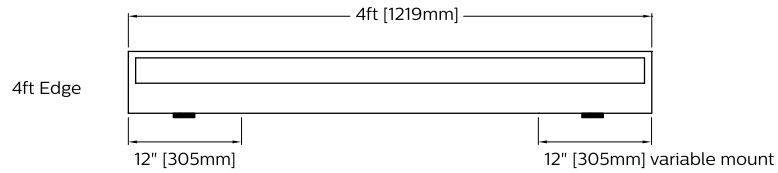

Options and Details

Cross Section

Edge

1 $^7/_{16}$" [37.3mm]   1 $^3/_{16}$" [30mm]   5 $^{11}/_{16}$" [144mm]

Curve

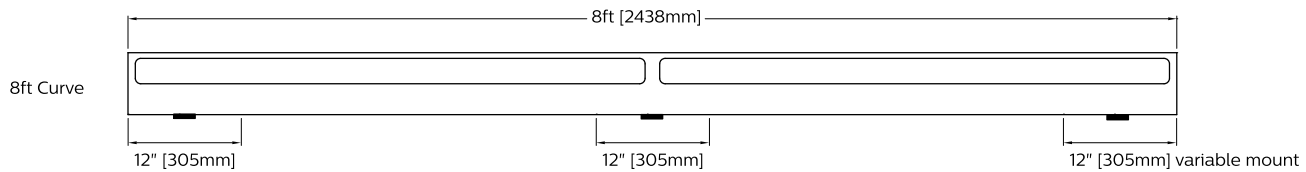1 $^7/_{16}$" [37.3mm]   1 $^3/_{16}$" [30mm]   5 $^{11}/_{16}$" [144mm]

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Modules – Edge

4ft Edge

4ft [1219mm]

12" [305mm]   12" [305mm] variable mount

6ft Edge

6ft [1829mm]

12" [305mm]   12" [305mm]   12" [305mm] variable mount

8ft Edge

8ft [2438mm]

12" [305mm]   12" [305mm]   12" [305mm] variable mount

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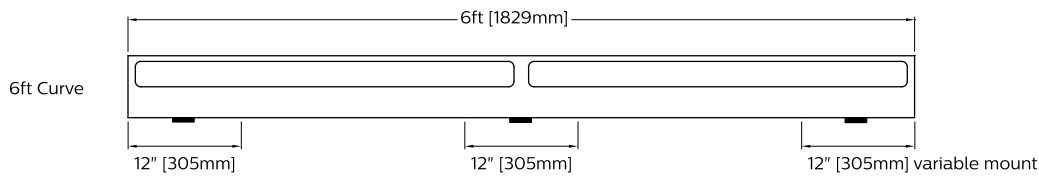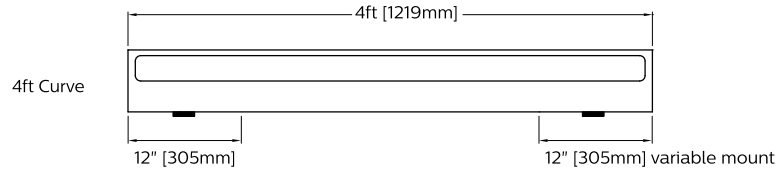
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Photometry

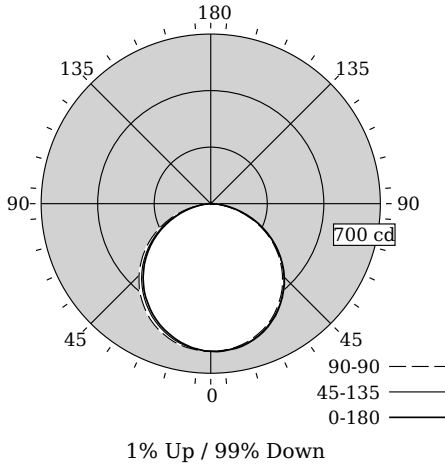| 180 |
| 135   135 |
| 90-   -90 |
| 700 cd |
| 45   45 |
| 0 |

90-90	– – –
45-135	——
0-180	▬▬

1% Up / 99% Down

Total Output	1786 lm
Efficacy	98.7 lm/W
CCT	4054K
CRI	83
R9	12
Distribution	1% Up / 99% Down
Spacing Criteria (0/45/180°)	1.30/1.28/1.23
Meets RP-1-12 recommendations for VDT–Normal spaces	

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 by an NVLAP accredited testing laboratory in accordance with IESNA LM-79-08

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

Candela Distribution

Vertical Angle	0	45	90	135	180	Zonal Lumens
0	609	609	609	609	609	0
5	610	609	607	604	603	58
15	596	595	590	581	575	166
25	560	557	552	538	530	252
35	502	501	493	477	469	305
45	429	428	419	402	392	319
55	339	338	330	313	304	290
65	238	235	229	213	205	222
75	131	128	121	108	105	126
85	38	35	27	22	22	34
90	0	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	0

Coefficients of Utilization (%)

RCR	Ceiling: 80				70			50			0
Wall:	70	50	30	10	70	50	30	50	30	10	0
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

Avg. Luminance (cd/m2)

Vertical Angle	0	90	180
55	8723	8484	7821
65	8312	7988	7161
75	7462	6874	5993
85	6456	4537	3664

Electrical Specifications

Input Voltage	120V	277V
Input Power	18.1W	18.2W
Input Current	0.15A	0.07A
Power Factor	0.994	0.97
Total Harm. Distortion	7.2%	8.8%

Tested values – contact technical support for rated values. Off-state power zero unless certain controls are specified.

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