PHILIPS
LEDALITE

Linear

FloatPlane Wall LED

Asymmetric
CRI >80 3000K, 2200 lm/4ft

LED

Project:	
Spec Type:	
Catalog No:	24x8LCGAG
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	C	G	A	G					

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
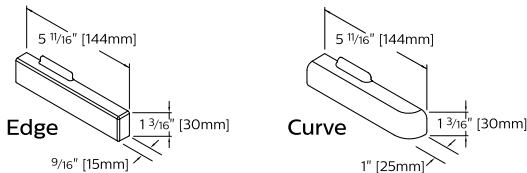
Mounting Hardware

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

Endcaps - Edge/Curve

Edge
5 11/16" [144mm]
1 3/16" [30mm]
9/16" [15mm]

Curve
5 11/16" [144mm]
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:
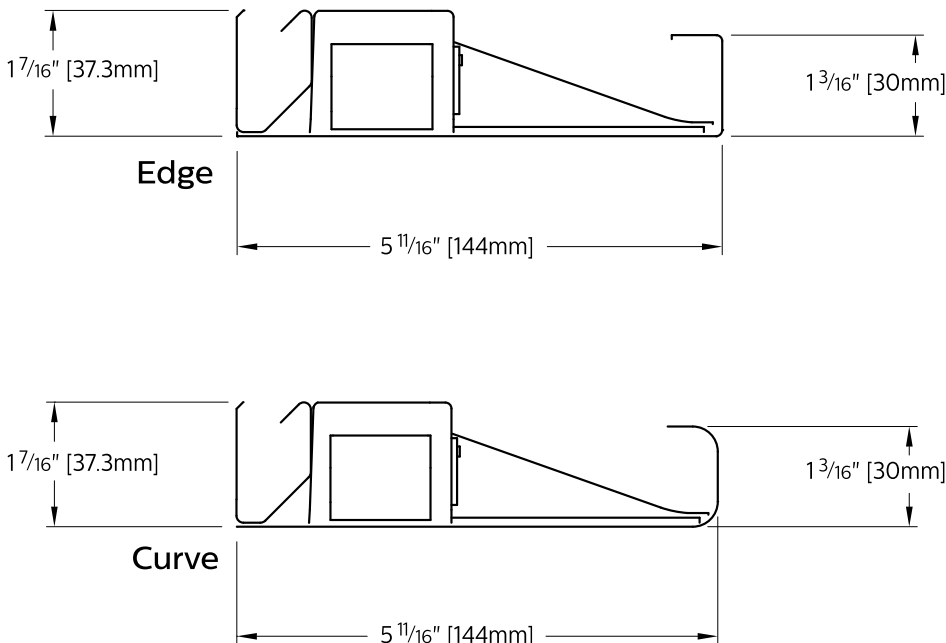http://www.philips.com/warranties

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.
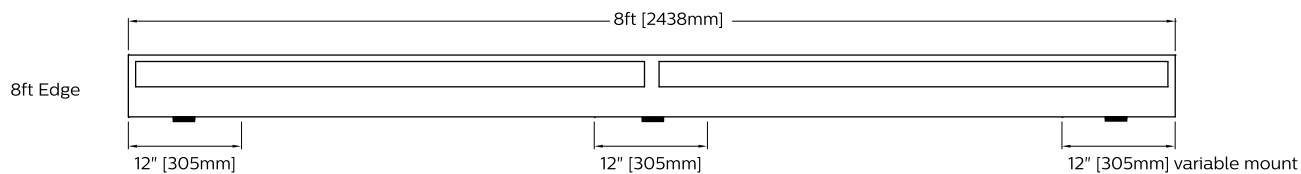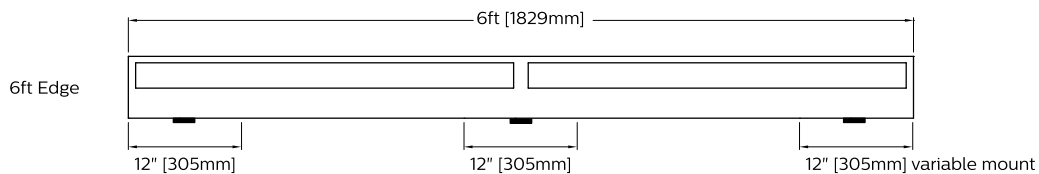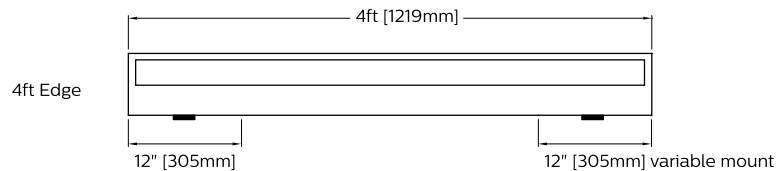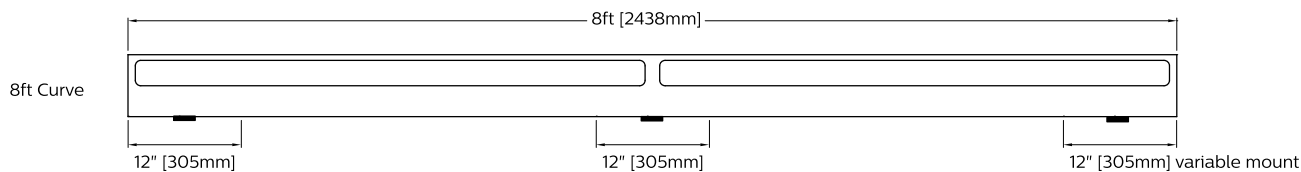
Options and Details

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

Modules – Curve

4ft Curve

4ft [1219mm]

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

6ft Curve

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8ft Curve

8ft [2438mm]

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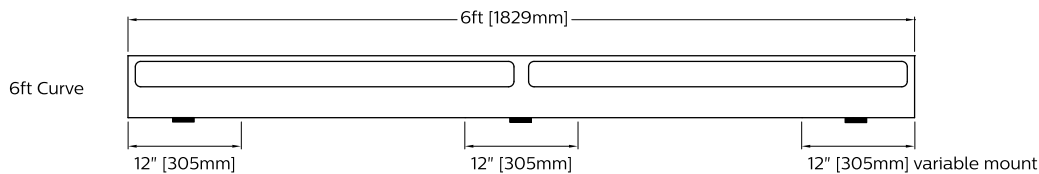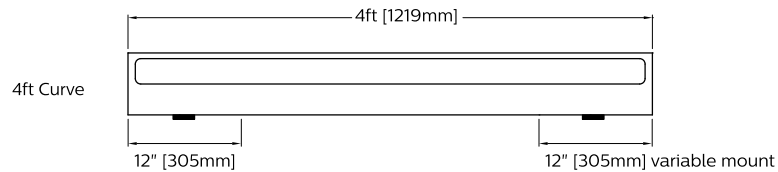
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Photometry

180 / 135 / 135 / 90 / 90 / 45 / 45 / 0

500 cd

90-90 – – –
45-135 ———
0-180 ———
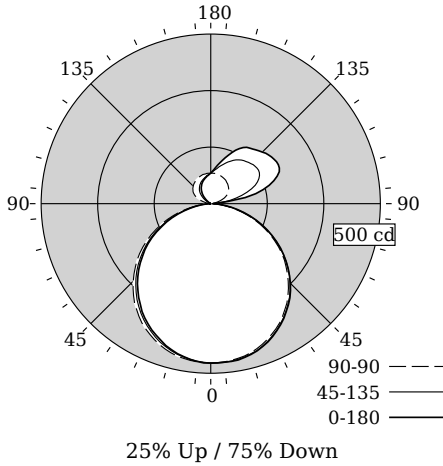
25% Up / 75% Down

Total Output	1828 lm
Efficacy	102.1 lm/W
CCT	3095K
CRI	81
R9	3
Distribution	25% Up / 75% Down
Spacing Criteria (0/45/180°)	1.30/1.28/1.23
Meets RP-1-12 recommendations for VDT–Critical 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	470	470	470	470	470	0
5	469	470	468	466	467	44
15	460	458	455	449	446	128
25	432	430	425	416	411	195
35	388	387	381	370	362	236
45	332	330	323	312	304	247
55	262	262	256	243	237	225
65	184	184	177	166	159	172
75	101	101	94	85	81	98
85	29	28	21	19	17	27
90	7	5	0	0	0	0
95	19	21	5	1	1	13
105	160	95	23	3	3	52
115	223	152	48	5	5	78
125	228	172	64	24	9	84
135	215	167	73	44	29	79
145	200	157	80	58	48	66
155	174	138	85	69	63	47
165	132	116	89	77	74	27
175	100	97	90	85	84	9
180	90	90	90	90	90	0

Coefficients of Utilization (%)

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

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle 0	90	180
55	6738	6583	6095
65	6422	6178	5549
75	5756	5357	4616
85	4908	3554	2877

Electrical Specifications

Input Voltage	120V	277V
Input Power	17.9W	18W
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.