PHILIPS
LEDALITE

Linear

FloatPlane Wall LED

Asymmetric
CRI >80 4000K, 3100 lm/4ft

LED

Project:	
Spec Type:	
Catalog No:	24x8LAEAA
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	E	A	A					
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 2cct 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
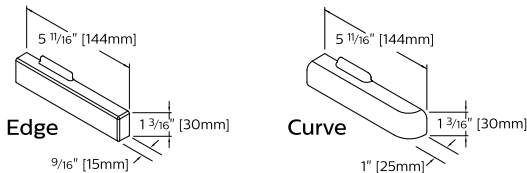
Mounting Hardware

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:
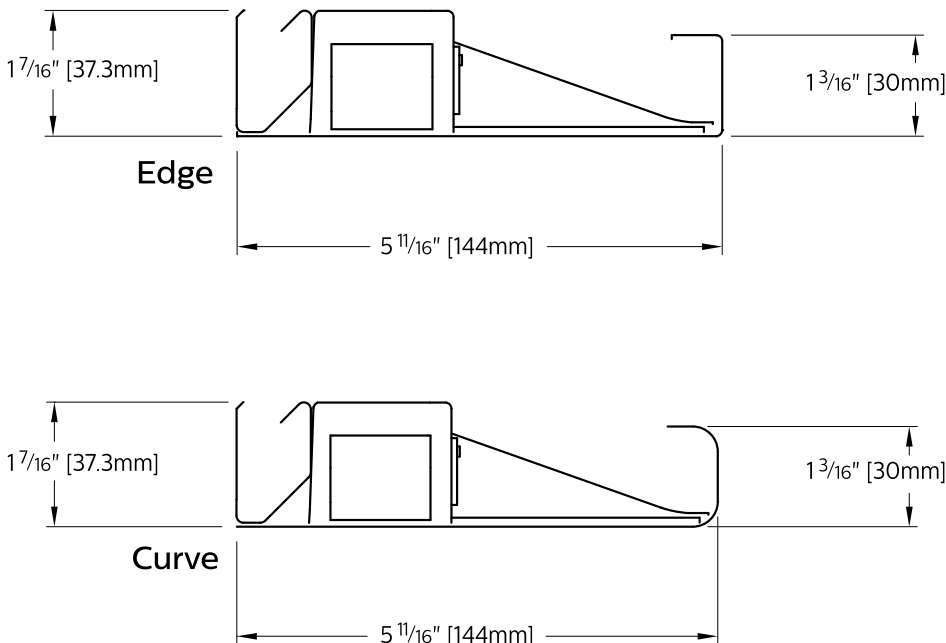http://www.philips.com/warranties

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.
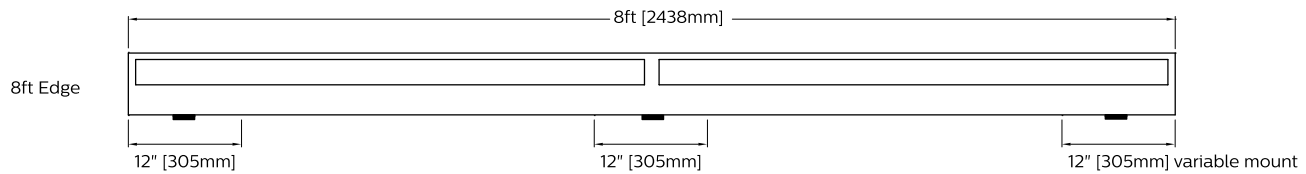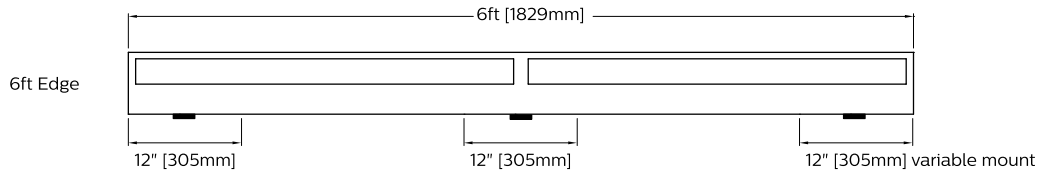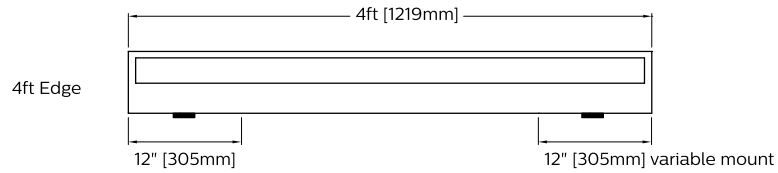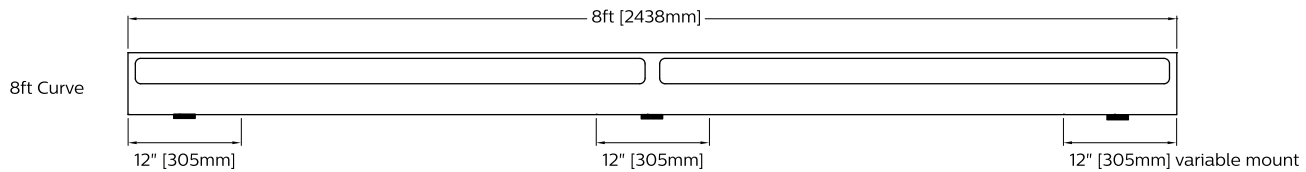
Options and Details

Cross Section

1 7/16" [37.3mm]   1 3/16" [30mm]

Edge

5 11/16" [144mm]

1 7/16" [37.3mm]   1 3/16" [30mm]

Curve

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]
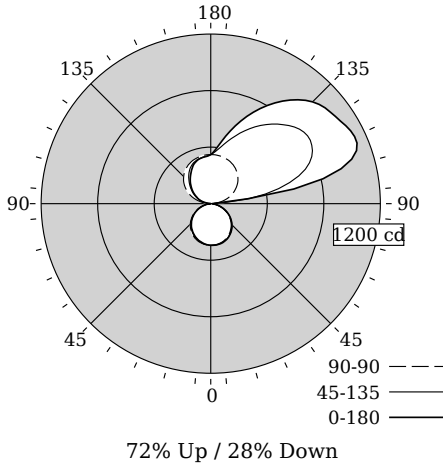
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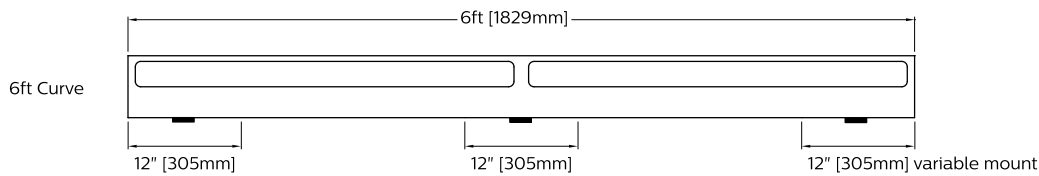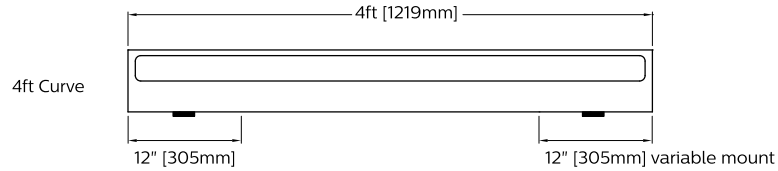
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Photometry

180
135 — 135
90- -90
1200 cd
45 — 45
0

90-90 — – – –
45-135 ———
0-180 ———

72% Up / 28% Down

Total Output	3096 lm
Efficacy	119.1 lm/W
CCT	4054K
CRI	83
R9	12
Distribution	72% Up / 28% Down
Peak/Zenith Ratio	3.24
Peak Output	1123 cd @ 115°
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	295	295	295	295	295	0
5	295	295	293	292	292	28
15	291	289	285	281	278	80
25	275	274	268	261	258	123
35	248	247	240	233	229	150
45	212	212	205	198	193	157
55	168	166	161	155	151	143
65	117	116	111	107	103	110
75	63	63	59	55	52	62
85	17	17	14	13	11	17
90	11	7	0	0	0	0
95	32	114	31	7	0	75
105	955	579	106	69	65	324
115	1123	789	172	116	109	418
125	1077	837	227	165	157	414
135	1019	782	271	216	203	364
145	886	683	305	268	248	286
155	714	569	327	308	296	198
165	532	456	340	327	326	111
175	384	370	347	337	336	34
180	347	347	347	347	347	0

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	71	71	71	28
1		93	89	85	81	83	79	76	62	60	58	23
2		84	77	71	66	75	69	64	54	51	48	19
3		77	68	60	55	68	61	55	48	43	40	16
4		70	60	52	46	62	54	47	42	37	34	14
5		64	53	45	39	57	48	41	38	33	29	12
6		59	47	39	34	52	43	36	34	29	25	10
7		54	42	35	29	48	38	32	30	25	22	9
8		50	38	31	26	45	35	28	28	23	19	8
9		47	35	28	23	42	32	25	25	20	17	7
10		44	32	25	20	39	29	23	23	18	15	7

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle		
	0	90	180
55	4318	4136	3883
65	4087	3890	3595
75	3619	3377	2975
85	2866	2388	1910

Electrical Specifications

	120V	277V
Input Voltage	120V	277V
Input Power	26W	25.8W
Input Current	0.22A	0.1A
Power Factor	0.998	0.959
Total Harm. Distortion	7.2%	14%

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

PHILIPS

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