PHILIPS
LEDALITE

Linear

FloatPlane Wall LED

Asymmetric
CRI >80 3500K, 4200 lm/4ft

LED

Project:
Spec Type:
Catalog No: 24x8LBCAA
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	B	C	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 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
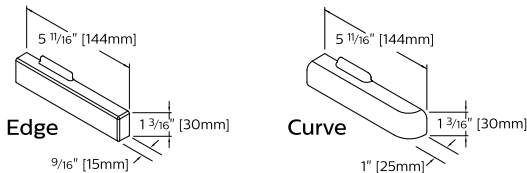
Mounting Hardware

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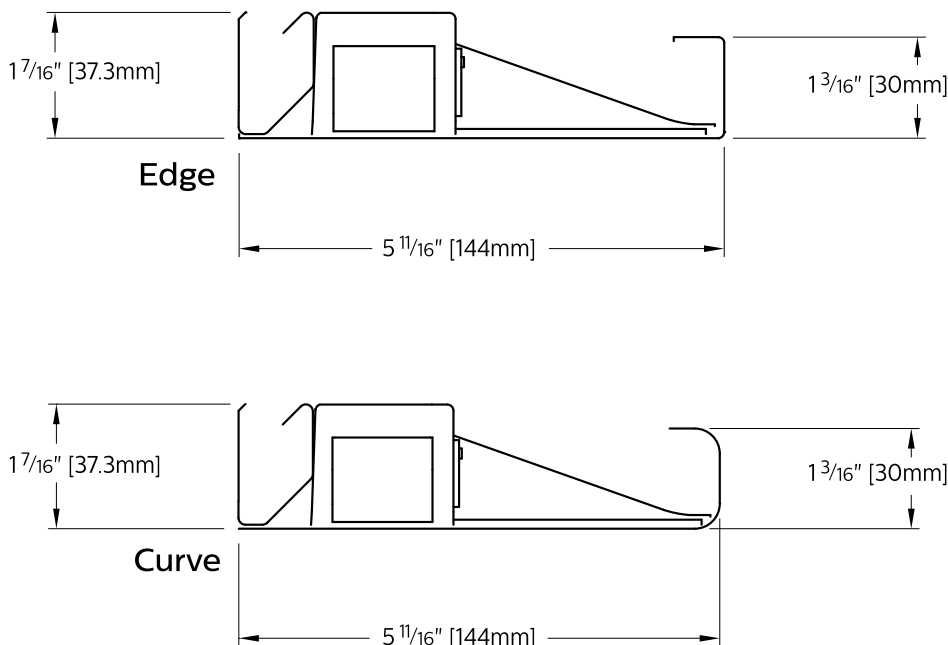http://www.philips.com/warranties

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.
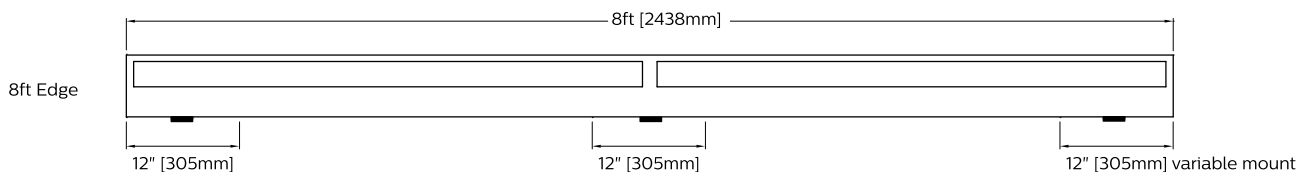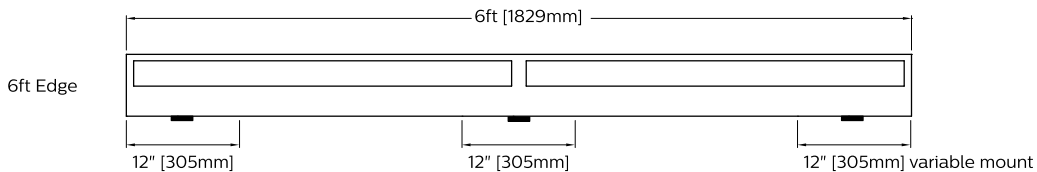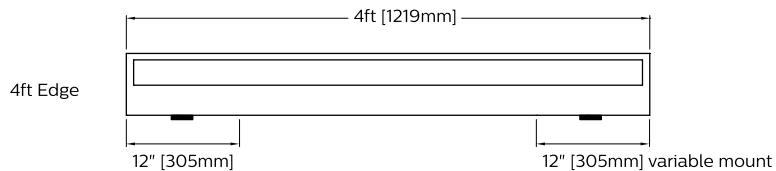
Options and Details

Cross Section

1 7/16" [37.3mm]

Edge

1 3/16" [30mm]

5 11/16" [144mm]

1 7/16" [37.3mm]

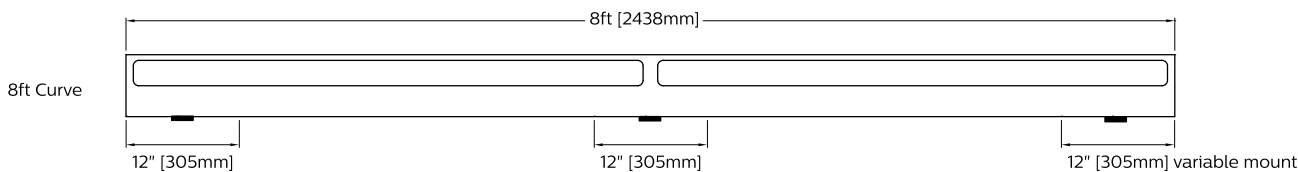Curve

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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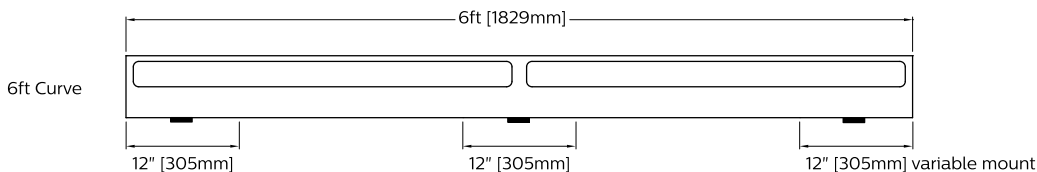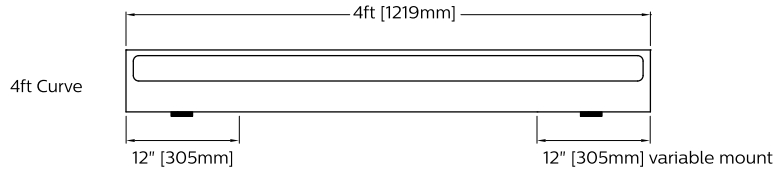
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Photometry

180
135 - 135
90- -90
1600 cd
45 - 45
0

90-90 – – –
45-135 ———
0-180 ———
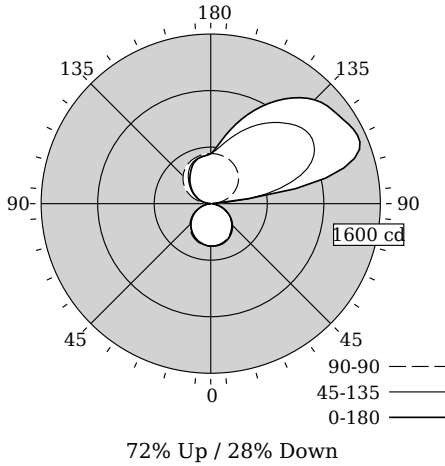
72% Up / 28% Down

Total Output	4210 lm
Efficacy	112.6 lm/W
CCT	3427K
CRI	82
R9	6
Distribution	72% Up / 28% Down
Peak/Zenith Ratio	3.24
Peak Output	1528 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	401	401	401	401	401	0
5	401	401	399	397	397	38
15	395	393	388	382	378	109
25	374	372	365	355	351	167
35	338	336	326	317	311	203
45	288	288	278	269	263	213
55	228	226	219	211	205	195
65	159	157	152	146	140	149
75	86	86	81	75	71	85
85	23	23	19	17	15	23
90	15	10	0	0	0	0
95	44	155	42	10	0	102
105	1299	787	144	94	88	440
115	1528	1073	234	157	148	569
125	1464	1138	309	225	213	563
135	1386	1063	368	294	276	496
145	1205	929	415	365	338	390
155	971	773	445	418	403	269
165	723	620	462	445	443	150
175	522	503	472	459	457	47
180	472	472	472	472	472	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	5872	5626	5280
65	5559	5291	4889
75	4921	4593	4046
85	3897	3248	2598

Electrical Specifications

Input Voltage	120V	277V
Input Power	37.4W	36.7W
Input Current	0.31A	0.14A
Power Factor	0.99	0.98
Total Harm. Distortion	6%	12.9%
Tested values – contact technical support for rated values. Off-state power zero unless certain controls are specified.		

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