PHILIPS
LEDALITE

Linear

FloatPlane Wall LED

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

LED

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	A					

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 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
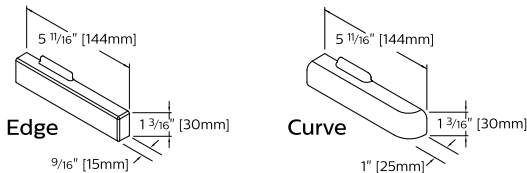
Mounting Hardware

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

Endcaps - Edge/Curve

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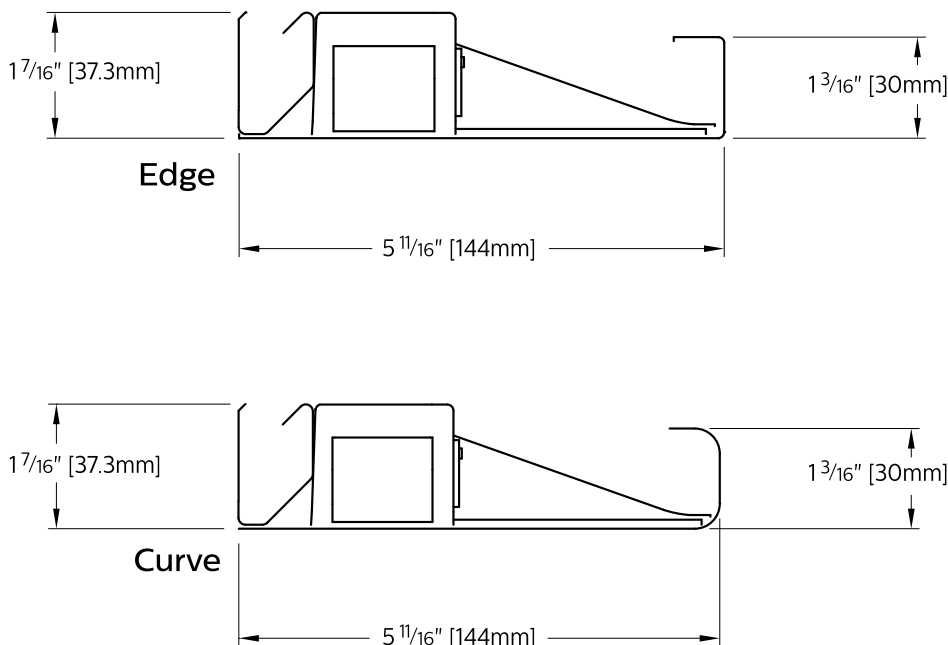http://www.philips.com/warranties

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.
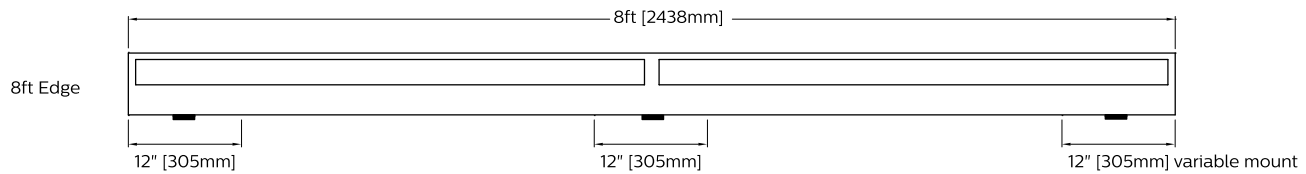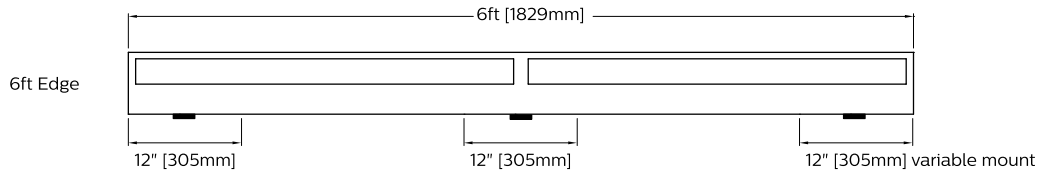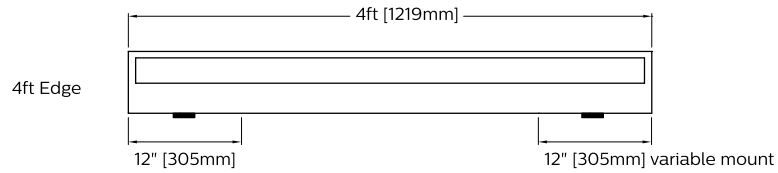

Options and Details

Cross Section

1 $\frac{7}{16}$" [37.3mm]   Edge   1 $\frac{3}{16}$" [30mm]

5 $\frac{11}{16}$" [144mm]

1 $\frac{7}{16}$" [37.3mm]   Curve   1 $\frac{3}{16}$" [30mm]
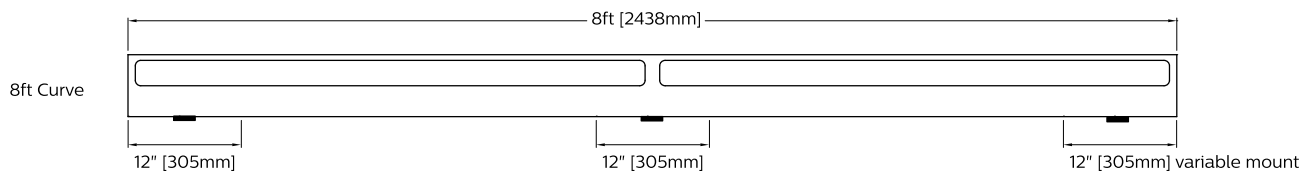
5 $\frac{11}{16}$" [144mm]

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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

6ft [1829mm]

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

8ft Curve

8ft [2438mm]

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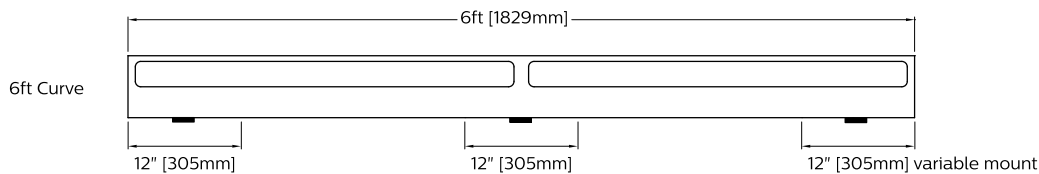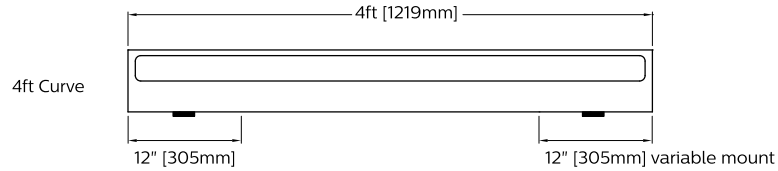
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Photometry

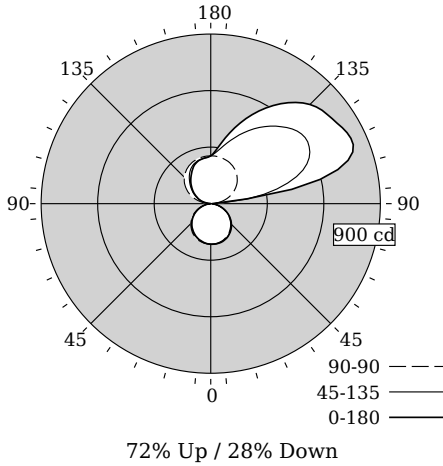180 / 135 / 135 / 90 / 90 / 45 / 45 / 0

900 cd

90-90 – – –
45-135 ———
0-180 ———

72% Up / 28% Down

Total Output	2262 lm
Efficacy	125.0 lm/W
CCT	4054K
CRI	83
R9	12
Distribution	72% Up / 28% Down
Peak/Zenith Ratio	3.24
Peak Output	821 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	Horizontal Angle 0	45	90	135	180	Zonal Lumens
0	215	215	215	215	215	0
5	215	215	214	213	213	20
15	212	211	208	205	203	59
25	201	200	196	191	189	90
35	181	180	175	170	167	109
45	155	155	149	144	141	115
55	123	122	118	113	110	105
65	86	85	81	78	75	80
75	46	46	43	40	38	46
85	12	12	10	9	8	13
90	8	5	0	0	0	0
95	24	84	23	5	0	55
105	698	423	77	51	47	237
115	821	576	126	85	79	306
125	787	611	166	121	114	303
135	744	571	198	158	148	266
145	647	499	223	196	181	209
155	522	415	239	225	217	145
165	389	333	248	239	238	81
175	280	270	254	246	245	25
180	254	254	254	254	254	0

Coefficients of Utilization (%)

RCR	Ceiling: Wall: 70	80 50	30	10	70 70	50	30	50 50	30	10	0 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	3155	3022	2837
65	2987	2843	2627
75	2644	2468	2174
85	2094	1745	1396

LED lighting facts®
A Program of the U.S. DOE

Philips Ledalite

Light Output (Lumens)	2262
Watts	18.1
Lumens per Watt (Efficacy)	124.97

| Color Accuracy | |
| Color Rendering Index (CRI) | 83 |

Light Color
Correlated Color Temperature (CCT) **4054 (Bright White)**

Warm White — Bright White — Daylight
2700K — 3000K — 4500K — 6500K

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.* The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide.*

Registration Number: F46Z-WTE28C (7/9/2015)
Model Number: 24x8LAGAA
Type: Luminaire - Linear

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.