PHILIPS
LEDALITE

Linear

FloatPlane Wall LED

Asymmetric
CRI >80 3000K, 4200 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	C	C	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 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
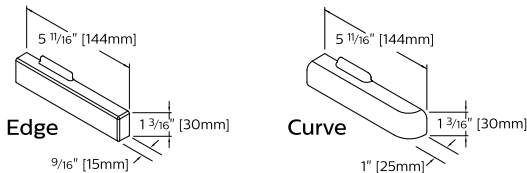
Mounting Hardware

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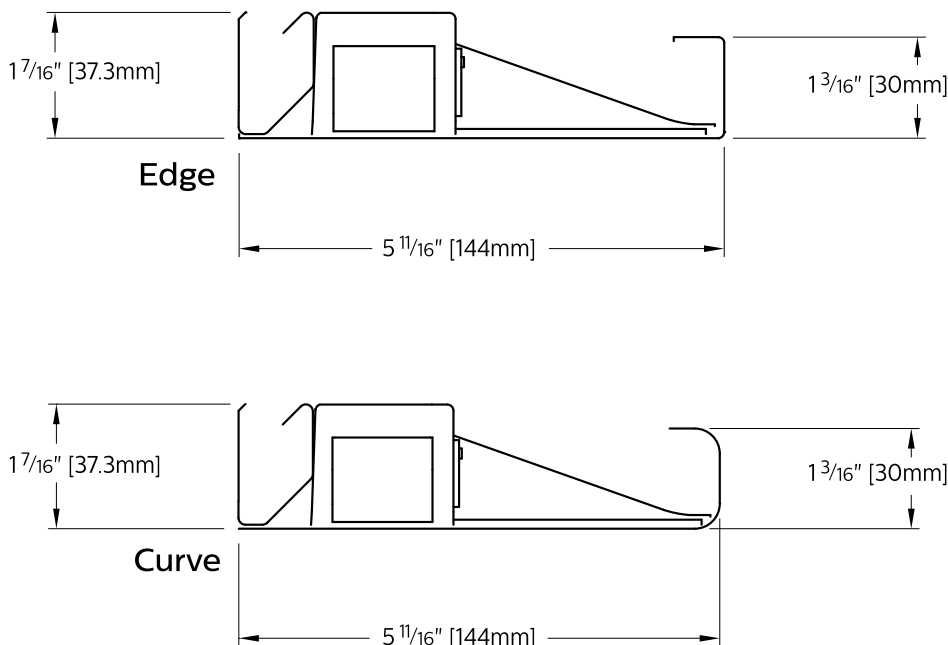http://www.philips.com/warranties

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.
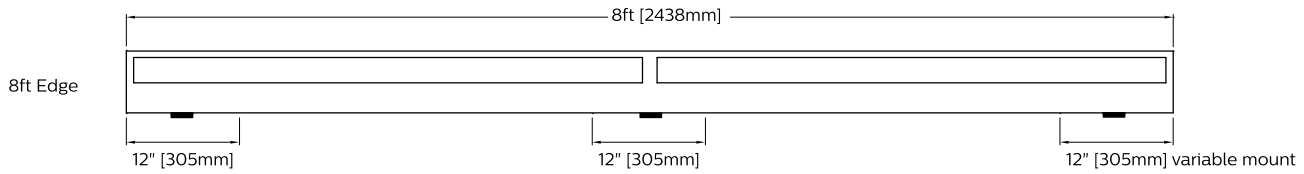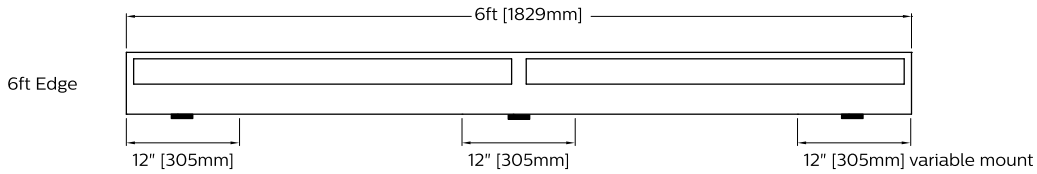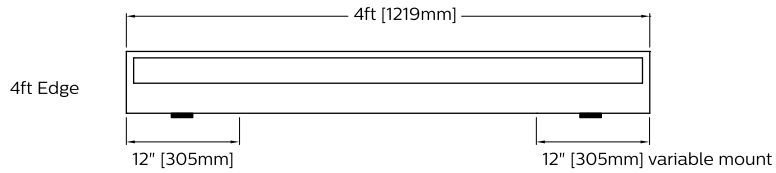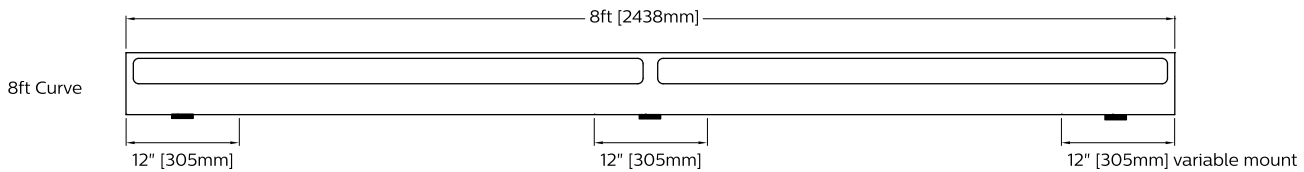
Options and Details

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]

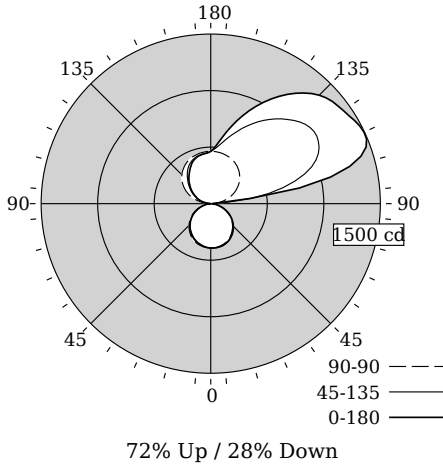12" [305mm] 12" [305mm] variable mount

6ft Edge

6ft [1829mm]

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

8ft Edge

8ft [2438mm]

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

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
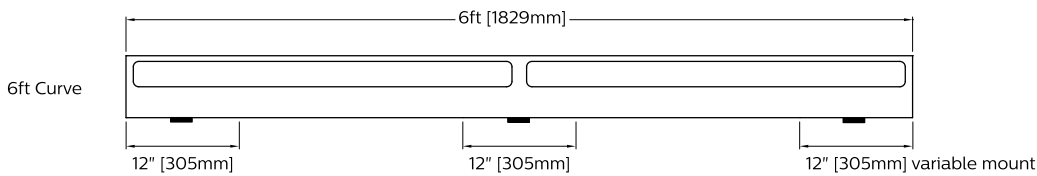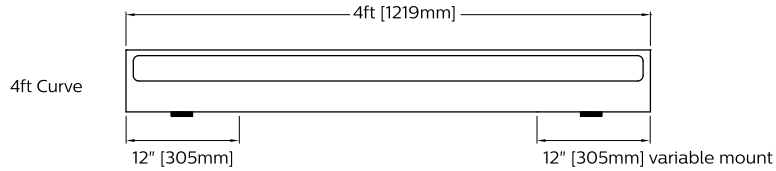
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Photometry

180
135 — 135
90- — -90
45 — 45
0

1500 cd

90-90 – – –
45-135 ———
0-180 ———

72% Up / 28% Down

Total Output	4122 lm
Efficacy	111.4 lm/W
CCT	3111K
CRI	81
R9	2
Distribution	72% Up / 28% Down
Peak/Zenith Ratio	3.24
Peak Output	1496 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	393	393	393	393	393	0
5	393	393	391	389	389	37
15	387	385	380	374	370	107
25	366	365	357	348	344	164
35	331	329	319	310	304	199
45	282	282	272	263	257	209
55	224	222	214	207	201	191
65	156	154	148	143	137	146
75	85	85	79	73	70	83
85	23	23	19	17	15	23
90	15	9	0	0	0	0
95	43	152	41	9	0	100
105	1272	770	141	92	86	431
115	1496	1050	229	154	145	557
125	1434	1114	303	220	209	552
135	1357	1041	361	287	271	485
145	1180	909	406	357	331	381
155	951	757	436	410	395	263
165	708	607	453	436	434	147
175	511	492	462	449	447	46
180	462	462	462	462	462	0

Coefficients of Utilization (%)

RCR	Ceiling: 80 Wall: 70	50	30	10	70 Wall: 70	50	30	50 Wall: 50	30	10	0 Wall: 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	0	90	180
55	5750	5508	5170
65	5443	5181	4787
75	4819	4498	3962
85	3816	3180	2544

Electrical Specifications

Input Voltage	120V	277V
Input Power	37W	36.3W
Input Current	0.31A	0.13A
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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