PHILIPS
LEDALITE

Linear

FloatPlane Wall LED

Asymmetric
CRI >80 3500K, 3100 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	B	E	A	G					
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
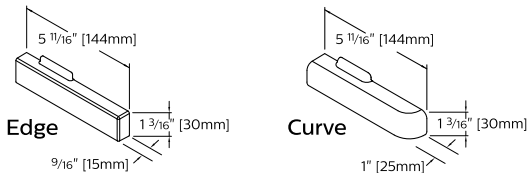
Mounting Hardware

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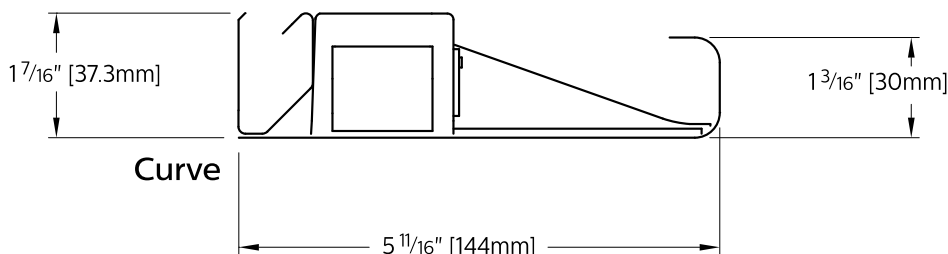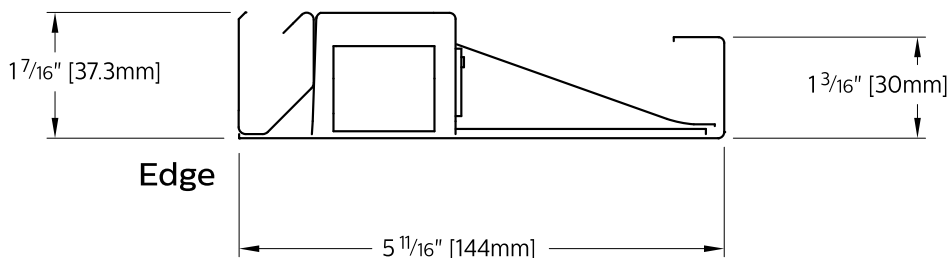http://www.philips.com/warranties

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.
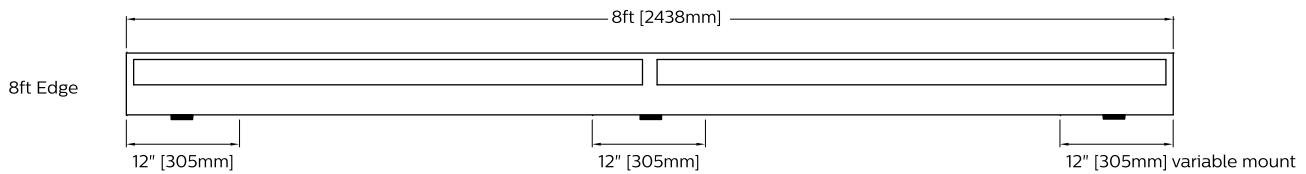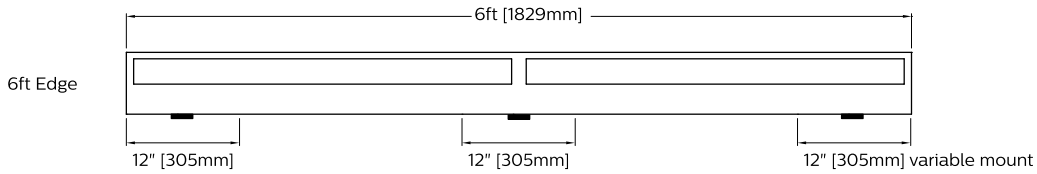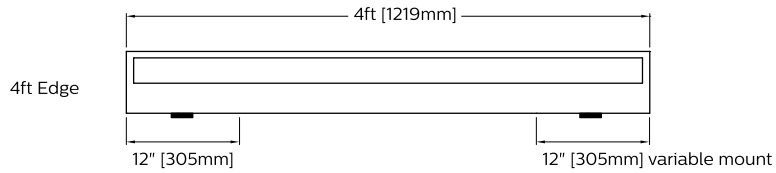

Options and Details

Cross Section

1 $^7/_{16}$" [37.3mm]   Edge   5 $^{11}/_{16}$" [144mm]   1 $^3/_{16}$" [30mm]

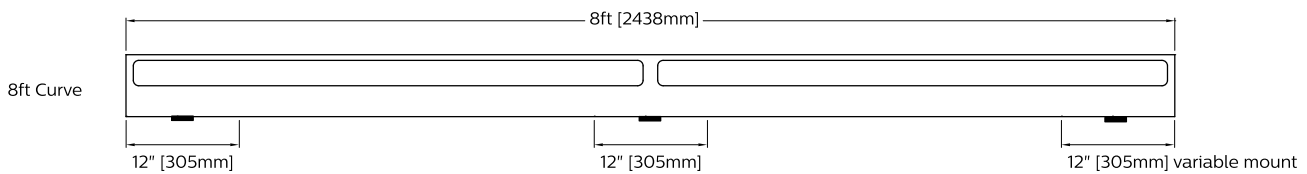1 $^7/_{16}$" [37.3mm]   Curve   5 $^{11}/_{16}$" [144mm]   1 $^3/_{16}$" [30mm]

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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
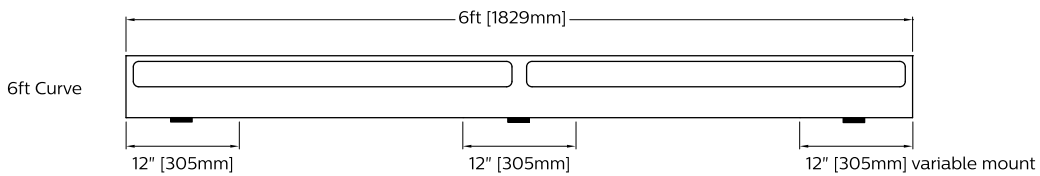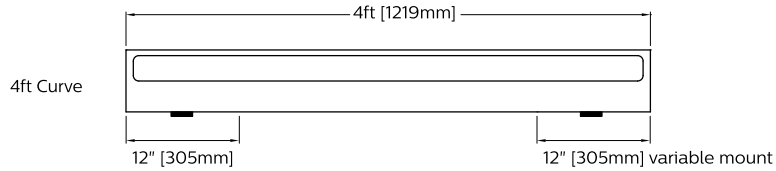
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Photometry

180
135   135
90 - 90
700 cd
45   45
0

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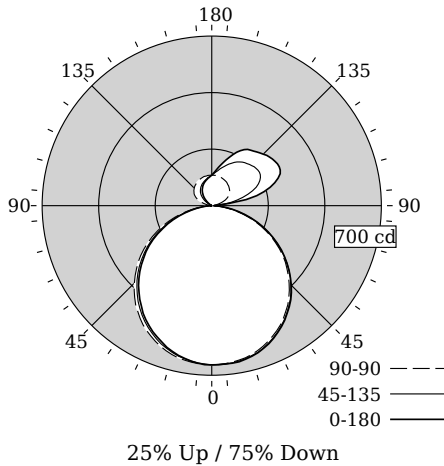
25% Up / 75% Down

Total Output	2556 lm
Efficacy	98.3 lm/W
CCT	3427K
CRI	82
R9	6
Distribution	25% Up / 75% Down
Spacing Criteria (0/45/180°)	1.30/1.28/1.23
Meets RP-1-12 recommendations for VDT–Normal 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	657	657	657	657	657	0
5	656	657	654	651	653	62
15	643	640	636	628	624	179
25	604	601	594	582	575	272
35	542	541	533	517	506	330
45	464	461	452	436	425	345
55	366	366	358	340	331	315
65	257	257	247	232	222	241
75	141	141	131	119	113	137
85	41	39	29	27	24	37
90	10	7	0	0	0	0
95	27	29	7	1	1	19
105	224	133	32	4	4	73
115	312	212	67	7	7	109
125	319	240	89	34	13	118
135	301	233	102	62	41	110
145	280	219	112	81	67	92
155	243	193	119	96	88	66
165	185	162	124	108	103	38
175	140	136	126	119	117	12
180	126	126	126	126	126	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	9419	9203	8520
65	8978	8636	7758
75	8047	7489	6453
85	6861	4968	4022

Electrical Specifications

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.