



Linear

FloatPlane Wall LED

Asymmetric
CRI >80 3000K, 3100 lm/4ft



Project: _____
Spec Type: _____
Catalog No: 24x8LCEAA
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	C	E	A	A					
24 FloatPlane	G8 Edge Wall R8 Curve Wall	L LED	A 4000K B 3500K C 3000K	C 4200 lm/4ft E 3100 lm/4ft G 2200 lm/4ft	A Acrylic diffuser	A Acrylic diffuser G 75% Down Kit J 100% Down Kit	O4 4' O6 6' O8 8' XX Total run length (2' increments)	1 1 cct 3 1 cct w/ EM cct 5 1 cct w/ BP 7 1 cct w/ Dimming 8 1 cct w/ TW B 2 cct A/B N 1 cct w/ Dim & BP	1 120V 2 277V 3 347V	E Philips Advance Other drivers available - consult factory	W Standard White T Titanium Silver B Black C Custom

* 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

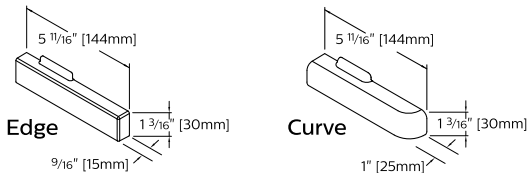
Mounting Hardware

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

Endcaps - Edge/Curve

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 4-1/2" 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: L₈₀ (12k) 70,000 hrs

Wall mount: L₈₀ (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>

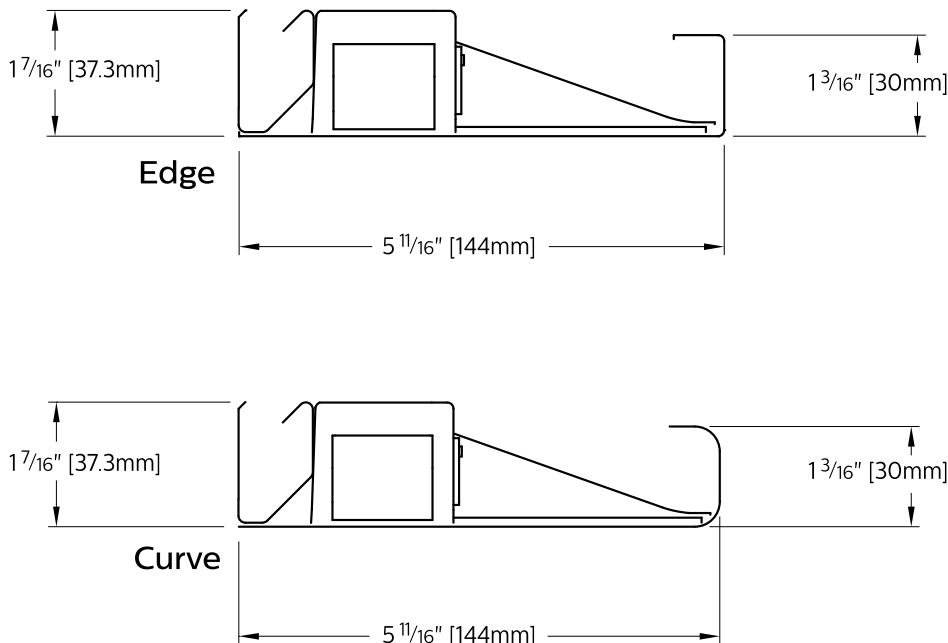
Environment

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

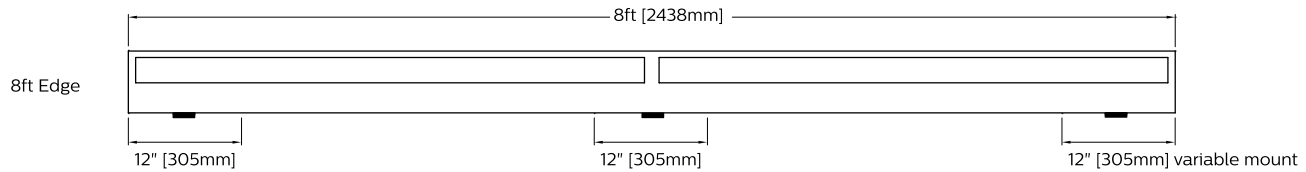
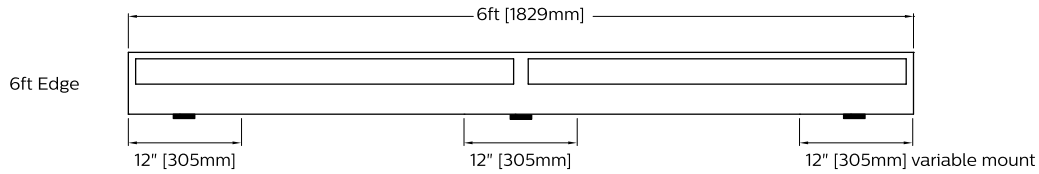
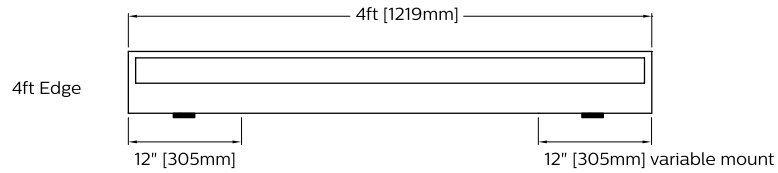
Cross Section



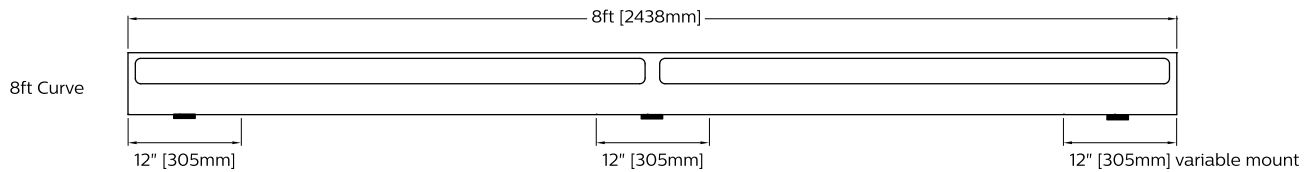
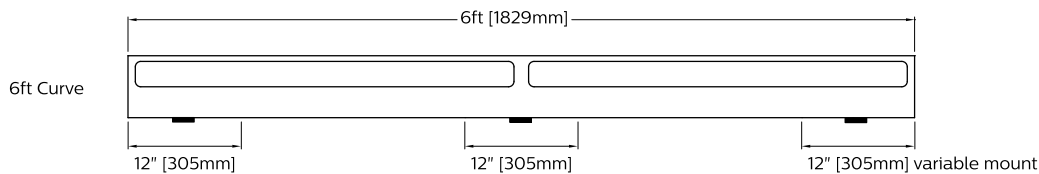
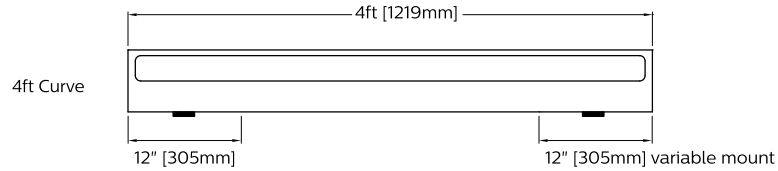
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Modules - Edge



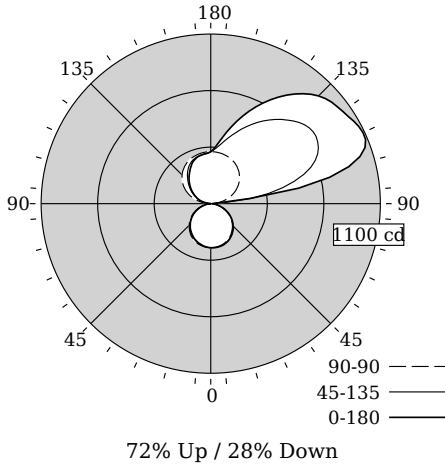
Modules - Curve



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Photometry



Total Output	3004 lm
Efficacy	116.9 lm/W
CCT	3102K
CRI	81
R9	3
Distribution	72% Up / 28% Down
Peak/Zenith Ratio	3.24
Peak Output	1090 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				Zonal Lumens
	0	45	90	180	
0	286	286	286	286	0
5	286	286	285	283	27
15	282	281	277	272	78
25	267	266	260	253	119
35	241	240	233	226	145
45	205	205	199	192	188
55	163	162	156	151	146
65	114	112	108	104	107
75	62	62	57	53	61
85	16	16	14	12	17
90	11	7	0	0	0
95	31	111	30	7	0
105	927	561	103	67	63
115	1090	765	167	112	105
125	1045	812	220	160	152
135	988	758	263	209	197
145	860	663	296	260	241
155	693	552	318	298	287
165	516	442	330	318	316
175	372	359	337	327	326
180	337	337	337	337	0

Coefficients of Utilization (%)

RCR	Ceiling:		80				70				50				0				
	Wall:	70	50	30	10	70	50	30	10	70	50	30	10	70	50	30	10	0	
0	102	102	102	102	91	91	91	71	71	71	28	28	28	28	28	28	28	28	28
1	93	89	85	81	83	79	76	62	60	58	23	23	23	23	23	23	23	23	23
2	84	77	71	66	75	69	64	54	51	48	19	19	19	19	19	19	19	19	19
3	77	68	60	55	68	61	55	48	43	40	16	16	16	16	16	16	16	16	16
4	70	60	52	46	62	54	47	42	37	34	14	14	14	14	14	14	14	14	14
5	64	53	45	39	57	48	41	38	33	29	12	12	12	12	12	12	12	12	12
6	59	47	39	34	52	43	36	34	29	25	10	10	10	10	10	10	10	10	10
7	54	42	35	29	48	38	32	30	25	22	9	9	9	9	9	9	9	9	9
8	50	38	31	26	45	35	28	28	23	19	8	8	8	8	8	8	8	8	8
9	47	35	28	23	42	32	25	25	20	17	7	7	7	7	7	7	7	7	7
10	44	32	25	20	39	29	23	23	18	15	7	7	7	7	7	7	7	7	7

Avg. Luminance (cd/m²)

Vertical Angle	Horizontal Angle		
	0	90	180
55	4189	4013	3767
65	3966	3775	3488
75	3511	3277	2887
85	2780	2317	1853

Philips Ledalite

Light Output (Lumens) 3004

Watts 25.7

Lumens per Watt (Efficacy) 116.89

Color Accuracy 81

Color Rendering Index (CRI)

Light Color 3102 (Bright White)

Correlated Color Temperature (CCT)

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-T1TJPP (7/9/2015)
Model Number: 24x8LCEAA
Type: Luminaire - Linear

Electrical Specifications

Input Voltage	120V	277V
Input Power	25.7W	25.5W
Input Current	0.21A	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.		

