PHILIPS
LEDALITE

Linear

FloatPlane Wall LED

Asymmetric
CRI >80 4000K, 4200 lm/4ft

Project:	
Spec Type:	
Catalog No:	24x8LACAJ
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

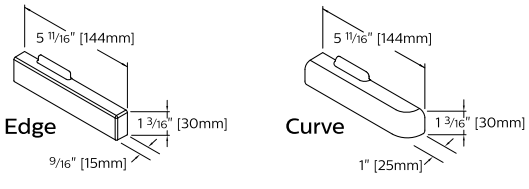
Product Type	Version	Source	Color Temp *	Lumens *	Lower Optics	Upper Optics	Run Length	Wiring †	Voltage	Driver	Finish
24		L	A	C	A	J					
24 FloatPlane	**G8** Edge Wall **R8** Curve Wall	**L** LED	**A** 4000K **B** 3500K **C** 3000K	**C** 4200 lm/4ft **E** 3100 lm/4ft **G** 2200 lm/4ft	**A** Acrylic diffuser	**A** Acrylic diffuser **G** 75% Down Kit **J** 100% Down Kit	**04** 4' **06** 6' **08** 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 4-1/2ft 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

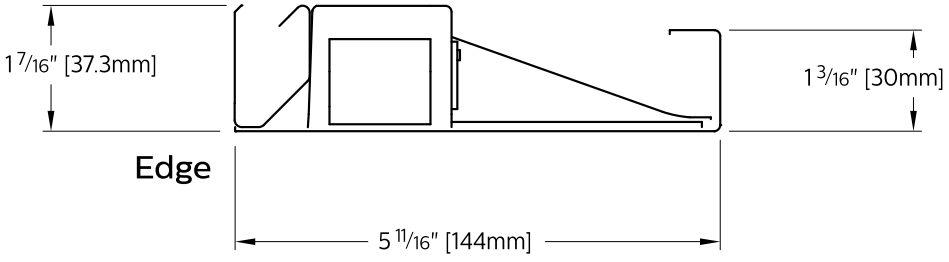
Philips indoor professional luminaires 5 year LED warranty:
http://www.philips.com/warranties

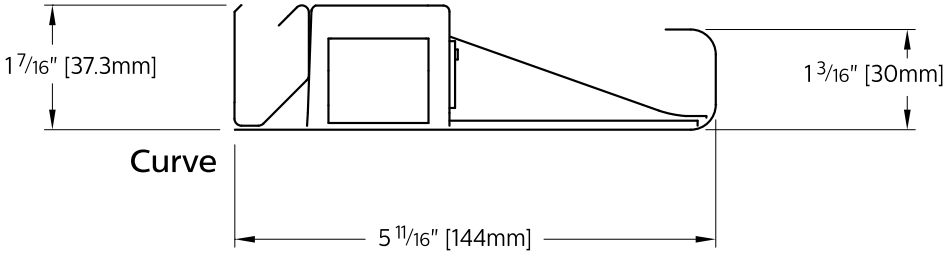
Environment

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.

Options and Details

Cross Section





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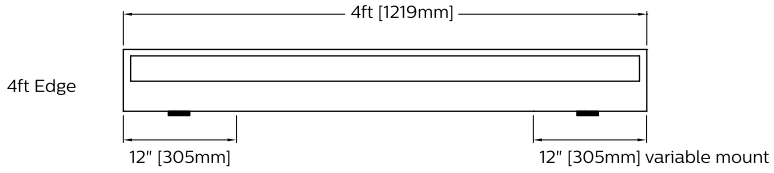
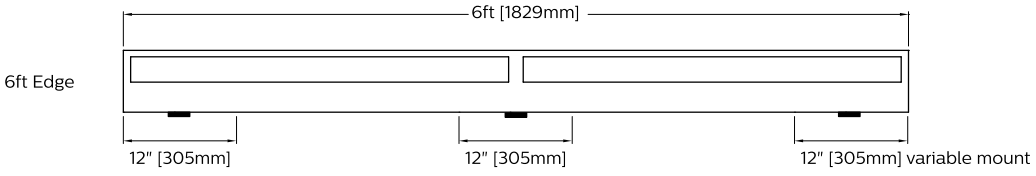
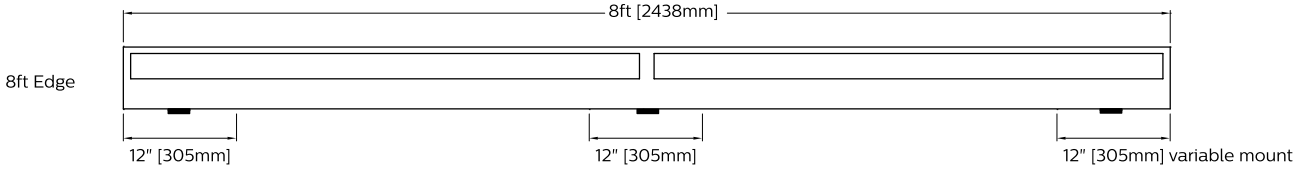
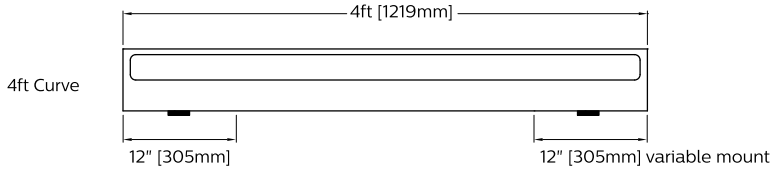
Modules - Edge

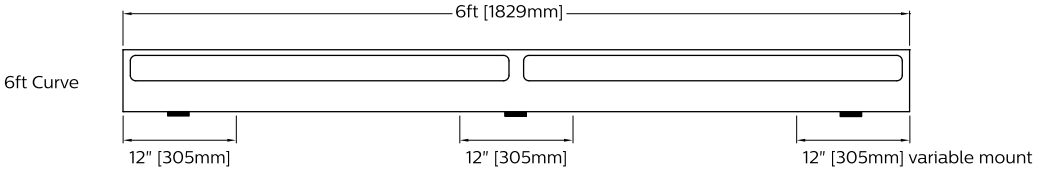


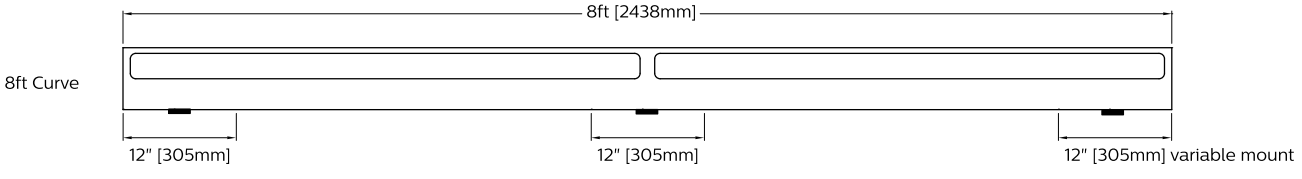




Modules - Curve







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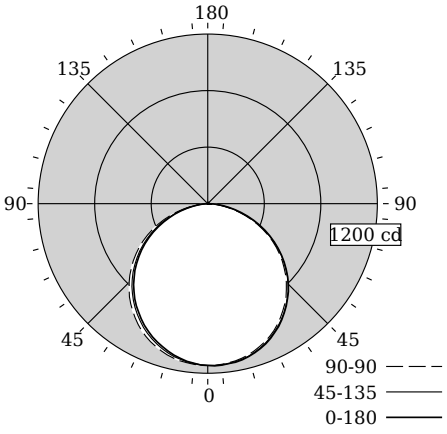
Photometry



1% Up / 99% Down

Total Output	3356 lm
Efficacy	89.7 lm/W
CCT	4054K
CRI	83
R9	12
Distribution	1% Up / 99% Down
Spacing Criteria (0/45/180°)	1.30/1.28/1.23

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	1145	1145	1145	1145	1145	0
5	1147	1145	1141	1135	1133	108
15	1120	1118	1108	1092	1081	311
25	1052	1046	1036	1011	996	473
35	943	941	926	897	881	574
45	806	804	786	755	736	600
55	637	635	620	589	571	545
65	447	442	430	401	385	417
75	246	240	227	203	198	237
85	72	66	50	41	41	64
90	0	0	0	0	0	0
95	2	2	2	0	0	1
105	4	4	4	2	0	3
115	4	6	4	2	2	4
125	6	8	6	4	2	4
135	6	10	6	4	2	5
145	8	10	6	4	4	4
155	10	10	6	4	4	3
165	8	8	6	4	4	2
175	6	6	6	4	4	0
180	6	6	6	6	6	0

Coefficients of Utilization (%)

RCR	Ceiling: 80				70			50		0
	Wall: 70	50	30	10	70	50	30	50	30	10	0
0	119	119	119	119	116	116	116	111	111	111	99
1	108	104	99	95	106	101	97	97	94	91	83
2	98	90	83	77	96	88	82	84	79	75	69
3	90	79	71	64	87	77	70	74	68	62	58
4	82	70	61	54	80	69	60	66	59	53	49
5	75	62	53	47	73	61	53	59	51	46	42
6	70	56	47	41	68	55	47	53	46	40	37
7	64	51	42	36	63	50	42	48	41	35	33
8	60	46	38	32	58	46	37	44	37	31	29
9	56	42	34	29	55	42	34	41	33	28	26
10	52	39	31	26	51	39	31	38	31	26	24

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle 0	90	180
55	16388	15940	14694
65	15617	15008	13453
75	14019	12916	11260
85	12129	8523	6884

Philips Ledalite

LED lighting facts®

A Program of the U.S. DOE

Light Output (Lumens)	3356
Watts	37.4
Lumens per Watt (Efficacy)	89.73
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-N1NBHY (7/9/2015)

Model Number: 24x8LACAJ

Type: Luminaire - Linear

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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