



Linear

FloatPlane Wall

3100 lm/4ft w/ 100% Down Kit*
3000/3500/4000K



Project: _____
Spec Type: _____
Catalog No: 24x8LxEAJ
Qty: _____
Line Notes: _____

With FloatPlane LED, it's easier than ever to integrate sleek and sporty style into your layout and within budget. Fresh and playful, with Curve and Edge profile options, FloatPlane's performance rivals that of high-end LED luminaires with the affordability of fluorescent. Available tunable white technology gives you the ability to vary color temperature and intensity, harmonizing lighting with your daily life.

Ordering guide

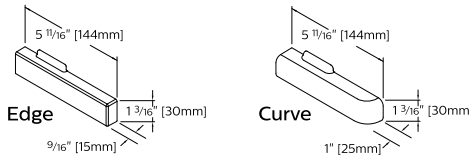
Product Type	Version	Source	Color Temp *	Lumens *	Lower Optics	Upper Optics	Run Length	Wiring †	Voltage	Driver	Finish
24		L		E	A	J					
24 FloatPlane	G8 Edge Wall R8 Curve Wall	L LED	A 4000K B 3500K C 3000K	C 4200 lm/4ft E 3100 lm/4ft G 2200 lm/4ft	A Acrylic diffuser	A Acrylic diffuser G 75% Down Kit J 100% Down Kit	04 4' 06 6' 08 8' Total run length (2' increments)	7 1 cct Dimming E 2 cct A/B Dimming M 1 cct Dimming + EM Wiring N 1 cct Dimming + EM Batt. Pack	1 120V 2 277V 3 347V	E Philips Advance 0-10V (1% dim)	W Standard White T Titanium Silver B Black C Custom

* Nominal values within a range. Down kits and dust covers reduce output & efficacy. Consult photometry data for color temp, lumens & distribution of chosen configuration.
† Not all wiring types are available with all configurations. Consult Philips Ledalite for a complete list of available options.

Mounting Hardware

Mount Type
Consult separate mounting spec sheet for mount type options

Endcaps -



FloatPlane Wall

3100 lm/4ft w/ 100% Down Kit*
3000/3500/4000K

Optical System

White light emitted from dual linear arrays of lateral-facing LEDs is diffused and redirected into the upper and lower hemispheres with a combination of high reflectivity elements and acrylic diffusers. This delivers a highly efficient 70% up / 30% down indirect/direct distribution with a wide, homogeneous batwing distribution in the upper hemisphere. Twin polymer diffusers on the lower surface combine for an optical aperture of 5-1/2" to deliver a uniform, controlled brightness, maximizing 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. Field installable dust covers available on suspended versions.

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. White sensors only.

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

Electrical

Factory pre-wired to section ends with quick-wire connectors.

Standard Drivers

Philips Advance Xitanium 0-10V, 1-100%.
Philips Advance Xitanium SR, 5-100% (for SpaceWise DT).
Class 2 rated output. Consult Philips Ledalite for other available drivers.

Standard Battery Pack

Philips Bodine, 90 min, 10W. Class 2 rated output.
Emergency lumen output = 10W x luminaire efficacy x 1.1.
Typical output 1400lm.

Lumen Maintenance

LEDs have been tested by the manufacturer in accordance with IESNA LM-80-08. At an ambient temperature of 25°C, the LED lumen maintenance expectation according to IES TM-21-11 is:
L80 (12k) 70,000 hrs suspended / 64,000 hrs wall. (Reported methodology)
L70 (12k) 108,000 hrs suspended / 98,000 hrs wall. (Projected methodology)

Source Color

LEDs rated for color rendering CRI >80, R9 >0 and fixture to fixture color accuracy within 2 SDCM.

Controls

Suspended version available with the following integrated controls:
Response daylight sensor (for single zone).
SpaceWise DT occupancy & daylight sensor w/ advanced grouping & dwell time.
SpaceWise DT commissioning via Android phone and Philips Field App. Compatible dimming wireless wall switches are available. For more information, please refer to www.philips.com/spacewise

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 stringent safety standards.
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, spaced up to 4 1/2" on center and 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.

Approvals

Certified to UL, CSA and IES standards. Certain suspended versions (24x5L) are DesignLights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers (www.designlights.org/QPL).

Warranty

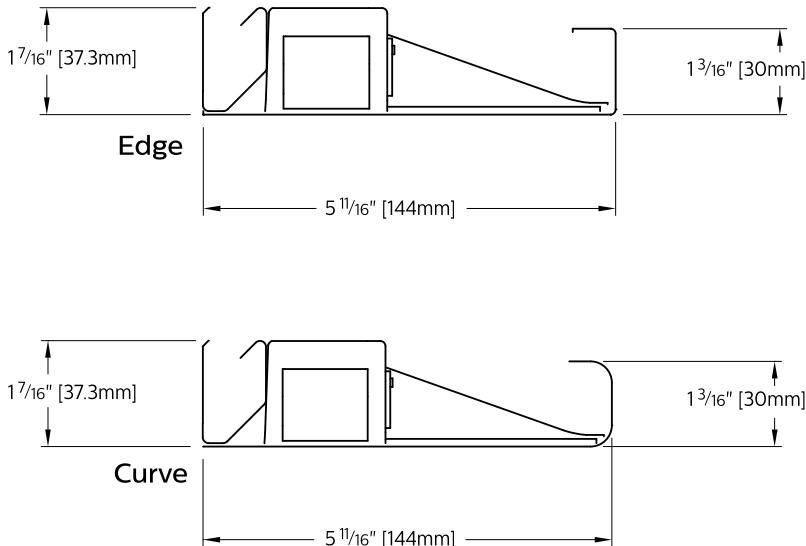
Philips indoor professional luminaires 5 year LED warranty: <http://www.philips.com/warranties>

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.

Dimensions - Cross Section

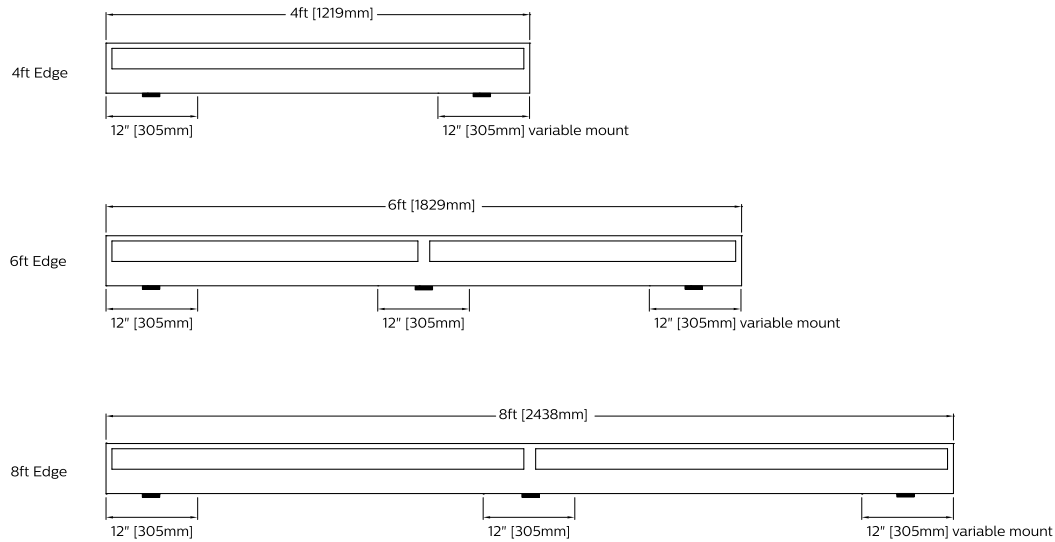


FloatPlane Wall

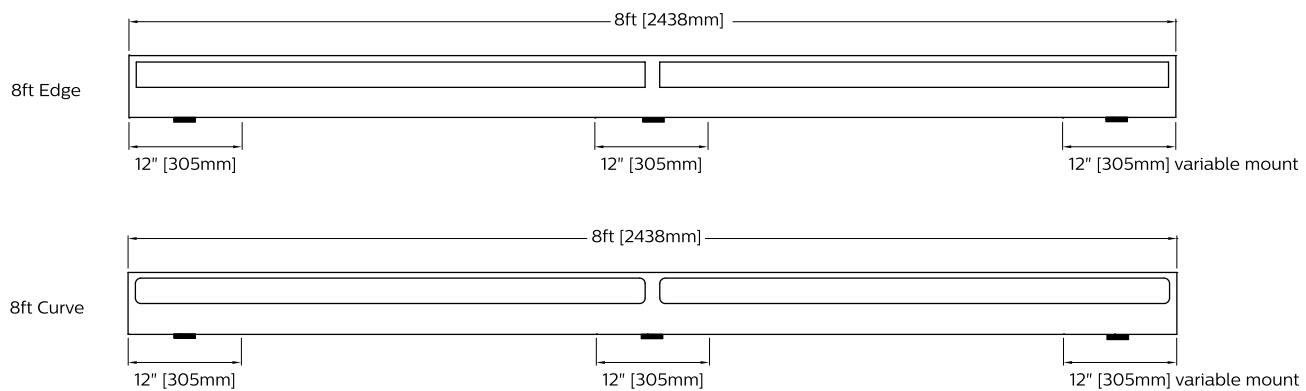
3100 lm/4ft w/ 100% Down Kit*

3000/3500/4000K

Dimensions - Modules



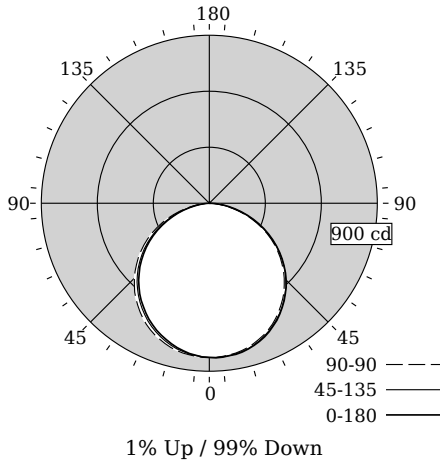
Optics and Styles



FloatPlane Wall

3100 lm/4ft w/ 100% Down Kit*
3000/3500/4000K

Photometry - 3500K



Candela Distribution

Vertical Angle	Horizontal Angle				Zonal Lumens
	0	45	90	135	
0	826	826	826	826	0
5	828	826	823	819	78
15	808	807	800	788	225
25	759	755	748	730	342
35	681	679	668	647	414
45	582	580	568	545	433
55	460	459	447	425	394
65	323	319	310	289	301
75	178	173	164	147	171
85	52	48	36	29	46
90	0	0	0	0	0
95	1	1	1	0	1
105	3	3	3	1	2
115	3	4	3	1	3
125	4	6	4	3	3
135	4	7	4	3	3
145	6	7	4	3	3
155	7	7	4	3	2
165	6	6	4	3	1
175	4	4	4	3	0
180	4	4	4	4	0

Photometry based on 4ft white luminaire. Dust covers and non-white finishes reduce delivered lumens. Custom color finishes may shift output color temperature.

Fixture photometry has been conducted in accordance with IESNA LM-79-08

IES files for this and other photometric options can be downloaded online at www.lightingproducts.philips.com

Coefficients of Utilization (%)

RCR	Ceiling										0
	70	50	30	10	70	50	30	50	30	10	
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	11828	11504	10606
65	11271	10832	9710
75	10118	9322	8126
85	8754	6151	4968

Distribution

Hemisphere	1% Up / 99% Down
Spacing Along (0 °)	1.3
Spacing Across (90 °)	1.28
Spacing at 180 °	1.23

Philips Ledalite

LED

lighting facts®

A Program of the U.S. DOE

Light Output (Lumens)

2422

Watts

26

Lumens per Watt (Efficacy)

93.15

Color Accuracy
Color Rendering Index (CRI)

82

Light Color
Correlated Color Temperature (CCT)

3427 (Bright White)

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-7LZEKJ (7/9/2015)
Model Number: 24x8LBBAJ
Type: Luminaire - Linear

FloatPlane Wall

3100 lm/4ft w/ 100% Down Kit*

3000/3500/4000K

Optical Performance

Nominal CCT:	3000K	3500K	4000K
Flux (lm)	2372	2422	2444
Efficacy (lm/W)	92.3	93.2	94.0
Power (W)	25.7	26.0	26.0
CCT (K)	3102	3427	4054
CRI	81	82	83
R9	3	6	12
x	0.4324	0.4123	0.3791
y	0.4070	0.4001	0.3791
Duv	0.0020	0.0030	0.0010

Electrical Performance - 3500K

Input Voltage	120V	277V	347V
Input Power	26.0W	25.8W	22.5W
Input Current	0.22A	0.10A	0.07A
Power Factor	0.998	0.959	0.932
Total Harm. Distortion	7.2%	14.0%	14.0%

Tested values . contact technical support for rated values. Off-state power zero unless certain controls are specified.

