PHILIPS
LEDALITE

Linear

FloatPlane Wall

4200 lm/4ft
3000/3500/4000K

LED

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.
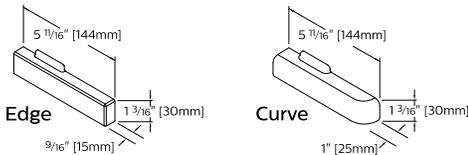
Ordering guide

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

Edge
5 11/16" [144mm]
1 3/16" [30mm]
9/16" [15mm]

Curve
5 11/16" [144mm]
1 3/16" [30mm]
1" [25mm]

5 YEARS SYSTEM WARRANTY FIXTURE • LED • DRIVER

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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:
L_{80} (12k) 70,000 hrs suspended / 64,000 hrs wall. (**Reported** methodology)
L_{70} (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 4½' 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).
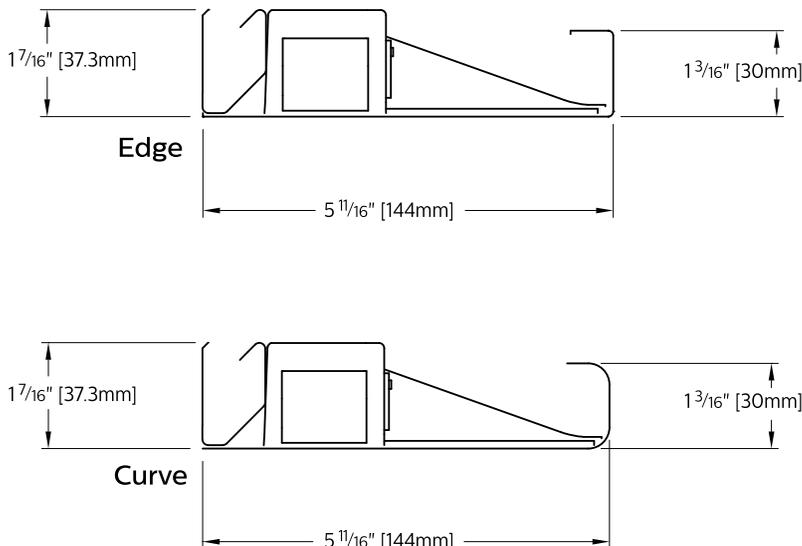
Warranty

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.
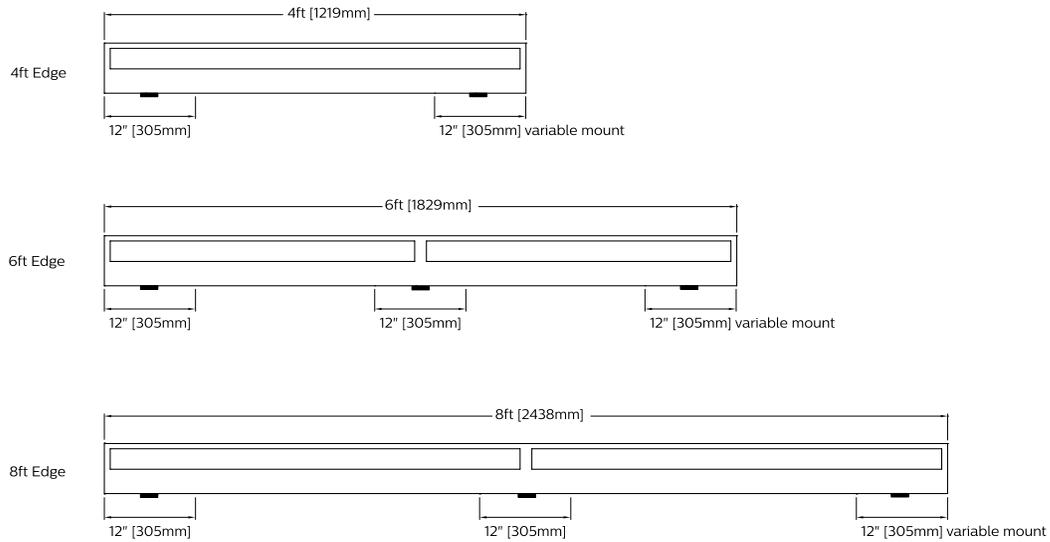
Dimensions – Cross Section

Edge

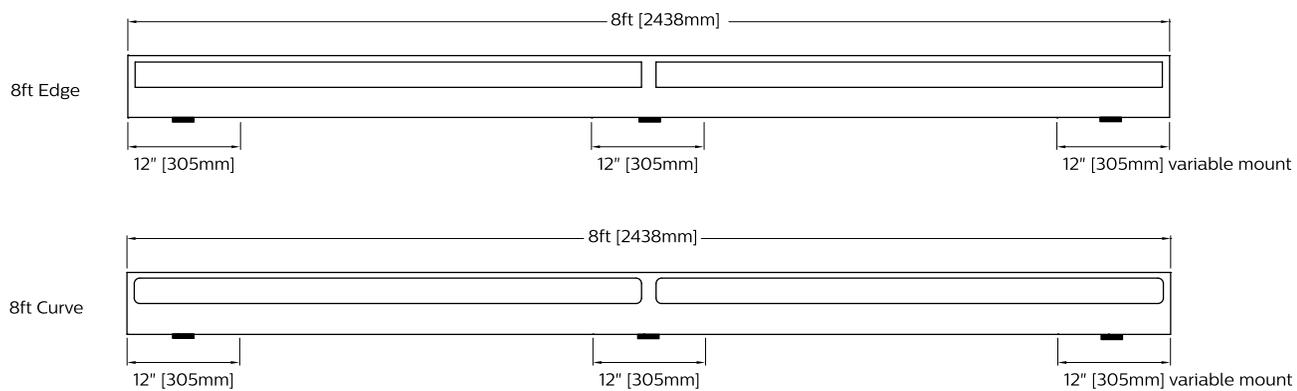1 7/16" [37.3mm]

1 3/16" [30mm]

5 11/16" [144mm]

Curve

1 7/16" [37.3mm]

1 3/16" [30mm]

5 11/16" [144mm]

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Dimensions – Modules

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

Optics and Styles

8ft Edge
8ft [2438mm]
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 – 3500K

180

135 135

90 90

1600 cd

45 45

0

- 90-90 (dashed)
- 45-135
- 0-180

72% Up / 28% Down
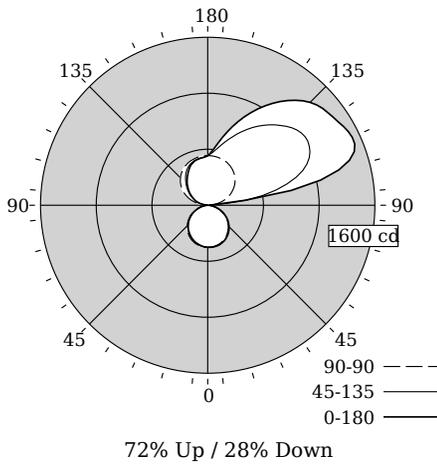
Candela Distribution

Vertical Angle	Horizontal Angle 0	45	90	135	180	Zonal Lumens
0	401	401	401	401	401	0
5	401	401	399	397	397	38
15	395	393	388	382	378	109
25	374	372	365	355	351	167
35	338	336	326	317	311	203
45	288	288	278	269	263	213
55	228	226	219	211	205	195
65	159	157	152	146	140	149
75	86	86	81	75	71	85
85	23	23	19	17	15	23
90	15	10	0	0	0	0
95	44	155	42	10	0	102
105	1299	787	144	94	88	440
115	1528	1073	234	157	148	569
125	1464	1138	309	225	213	563
135	1386	1063	368	294	276	496
145	1205	929	415	365	338	390
155	971	773	445	418	403	269
165	723	620	462	445	443	150
175	522	503	472	459	457	47
180	472	472	472	472	472	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: 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	Horizontal Angle 0	90	180
55	5872	5626	5280
65	5559	5291	4889
75	4921	4593	4046
85	3897	3248	2598

Distribution

Hemisphere	72% Up / 28% Down
Peak/Zenith	3.24
Peak Output	1528 cd
Glare Control	Meets RP-1-12 recommendations for VDT-Critical spaces

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Optical Performance

Nominal CCT:	3000K	3500K	4000K
Flux (lm)	4122	4210	4250
Efficacy (lm/W)	111.4	112.6	113.6
Power (W)	37.0	37.4	37.4
CCT (K)	3111	3427	4054
CRI	81	82	83
R9	2	6	12
x	0.4314	0.4123	0.3791
y	0.4061	0.4001	0.3791
Duv	0.0020	0.0030	0.0010

Electrical Performance – 3500K

Input Voltage	120V	277V	347V
Input Power	37.4W	36.7W	31.6W
Input Current	0.31A	0.14A	0.09A
Power Factor	0.990	0.980	0.960
Total Harm. Distortion	6.0%	12.9%	10.0%

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