PHILIPS
LEDALITE

Linear

FloatPlane Wall

4200 lm/4ft w/ 75% Down Kit*
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	G					
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]
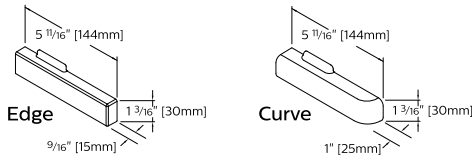
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Optical System

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℃, 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).
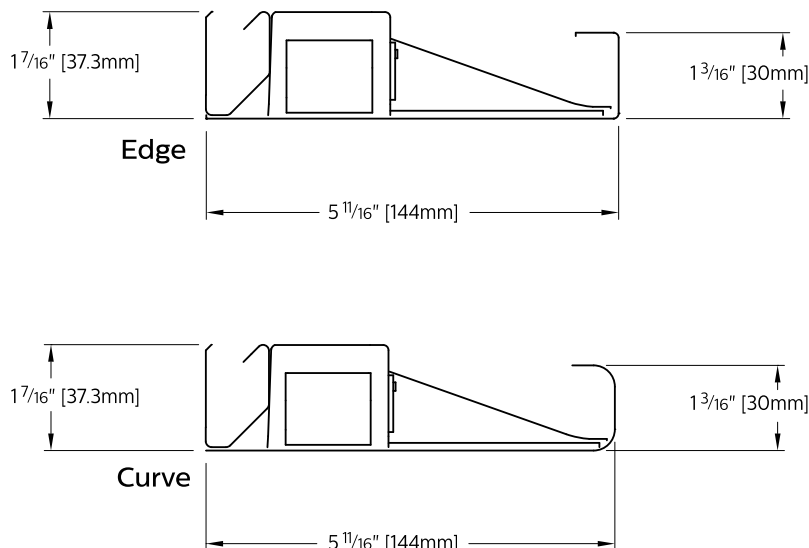
Warranty

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℃ (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.
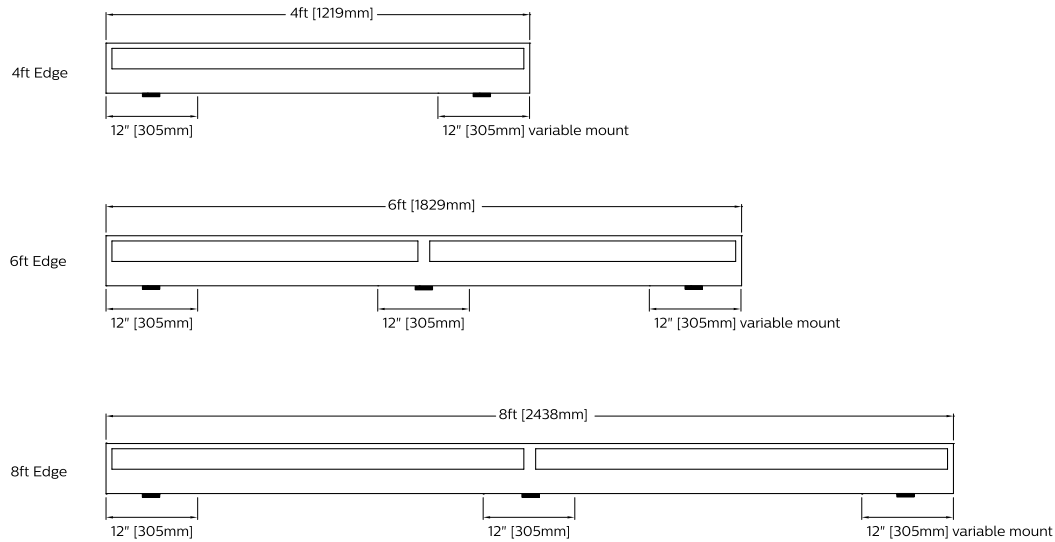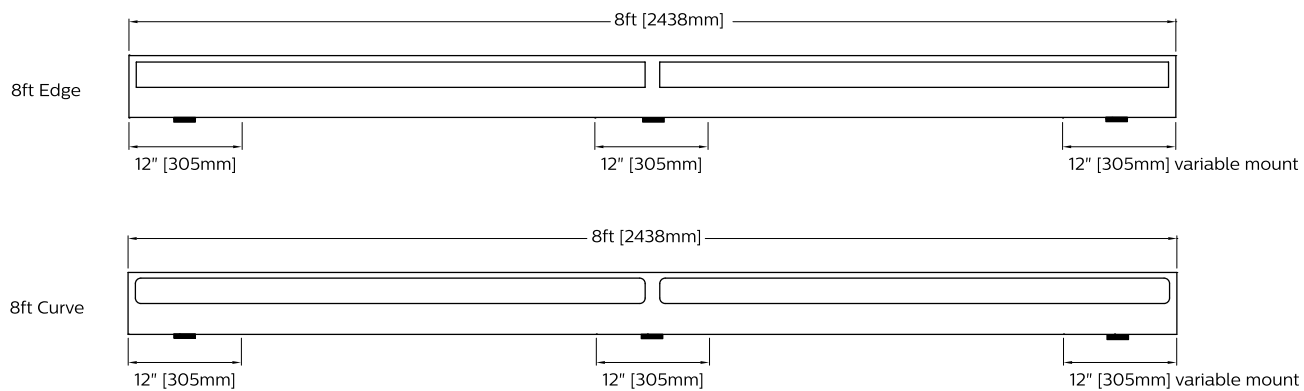

Dimensions – Cross Section

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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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

25% Up / 75% Down

Legend:
- 90-90 (dashed)
- 45-135 (dash-dot)
- 0-180 (solid)

1000 cd
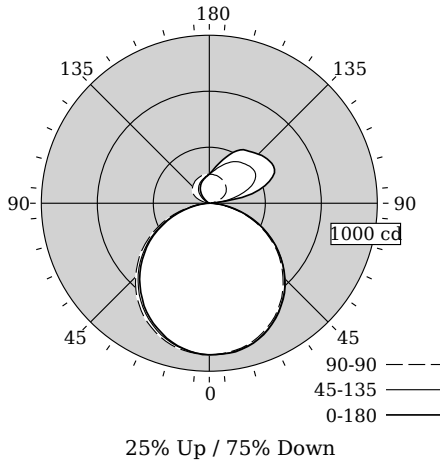
Candela Distribution

Vertical Angle	0	45	90	135	180	Zonal Lumens
0	902	902	902	902	902	0
5	900	902	898	894	896	85
15	883	879	873	862	856	246
25	829	825	816	798	789	373
35	745	743	731	710	695	453
45	637	633	620	599	583	474
55	503	503	491	466	455	432
65	353	353	340	319	305	331
75	194	194	180	163	155	188
85	56	54	40	36	33	51
90	13	10	0	0	0	0
95	36	40	10	2	2	26
105	307	182	44	6	6	101
115	428	292	92	10	10	149
125	438	330	123	46	17	162
135	413	320	140	84	56	151
145	384	301	154	111	92	126
155	334	265	163	132	121	91
165	253	223	171	148	142	53
175	192	186	173	163	161	17
180	173	173	173	173	173	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	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	0	Horizontal Angle 90	180
55	12929	12633	11696
65	12324	11855	10649
75	11046	10280	8858
85	9418	6820	5521

Distribution

Hemisphere	25% Up / 75% Down
Spacing Along (0 °)	1.3
Spacing Across (90 °)	1.28
Spacing at 180 °	1.23

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Optical Performance

Nominal CCT:	3000K	3500K	4000K
Flux (lm)	3435	3508	3541
Efficacy (lm/W)	92.8	93.8	94.7
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.