

PHILIPS

LEDALITE

Linear

FloatPlane Suspended
Power over Ethernet (PoE)

6000 lm/4ft w/ 75% Down Kit*
3000/3500/4000K

Project:

Spec Type:

Catalog No:

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.

Ordering guide

Product Type	Version	Source	Color Temp *	Lumens *	Lower Optics	Upper Optics	Run Length	Wiring †	Voltage	Driver	Finish
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24 FloatPlane	G5 Edge Suspended R5 Curve Suspended	L LED	A 4000K B 3500K C 3000K	B 6000 lm/4ft C 4500 lm/4ft E 3200 lm/4ft	A Acrylic diffuser	A Acrylic diffuser G 75% Down Kit J 100% Down Kit	04' 4" 08' 8" Total run length (4" increments)	7 1 cct Dimming N 1 cct Dimming + EM Batt. Pack	L Low Voltage	P PoE	W Standard White

* Nominal values within a range. Down kits reduce output & efficacy. Consult photometry data for exact color temp, lumens & distribution.
† 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

MAX 24"

Suspension Length

Distance from ceiling to top of luminaire in inches

Endcaps -

Integrated Controls Please indicate with check mark.

X

 Philips PoE Daylight & Occupancy Sensor (DO)

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FloatPlane Suspended

6000 lm/4ft w/ 75% 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.

Endcaps

Diecast aluminum endcaps in either Edge or Curve versions to match housing.

Finish

High quality powder coated, available in matte white.

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

Integrated CAT6 cable allows for upto 24" drop between Luminaire and Canopy. Mounting canopy provides RJ45 connection point for PoE network.

Driver

Philips PoE Lighting Controller (20-100%).

Battery Pack

Philips PoE emergency battery pack, 90 min, 6W. 600lm nominal (@100lm/W; Flux = W x lm/W).

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 **Reported** methodology is:

Suspended: L80 (12k) 70,000 hrs

Source Color

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

Controls

Available with integrated Philips PoE Daylight & Occupancy Sensor (DO).

FloatPlane with PoE technology is not Philips Yellow Dot certified for use with Philips mobile indoor positioning apps.

Mounting height from floor to bottom of luminaire should be ≤ 8.2ft (2.5m) in order to work with VLC based Philips personal control app (PCA).

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.

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.

Warranty

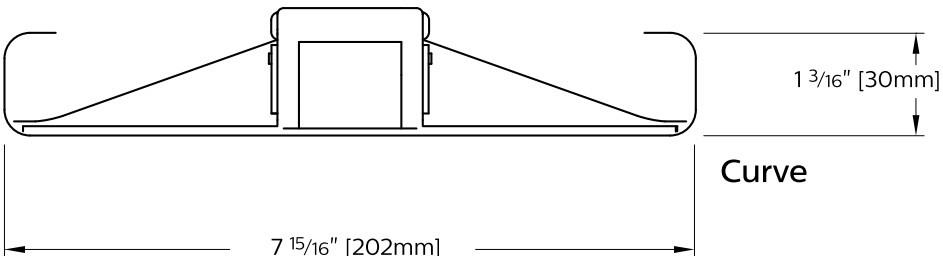
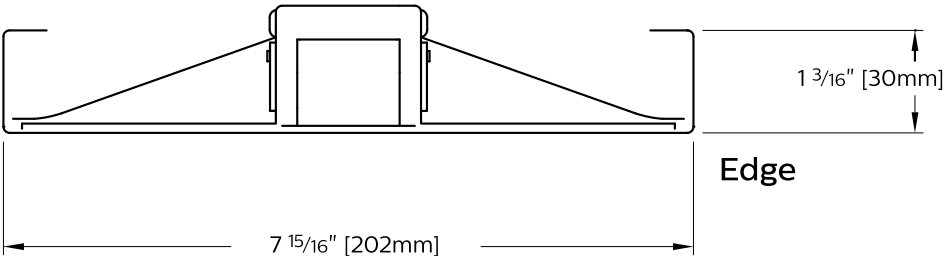
Philips indoor professional luminaires 5 year LED warranty: <http://www.philips.com/warranties>
Optional emergency battery has a 4 year limited warranty

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.

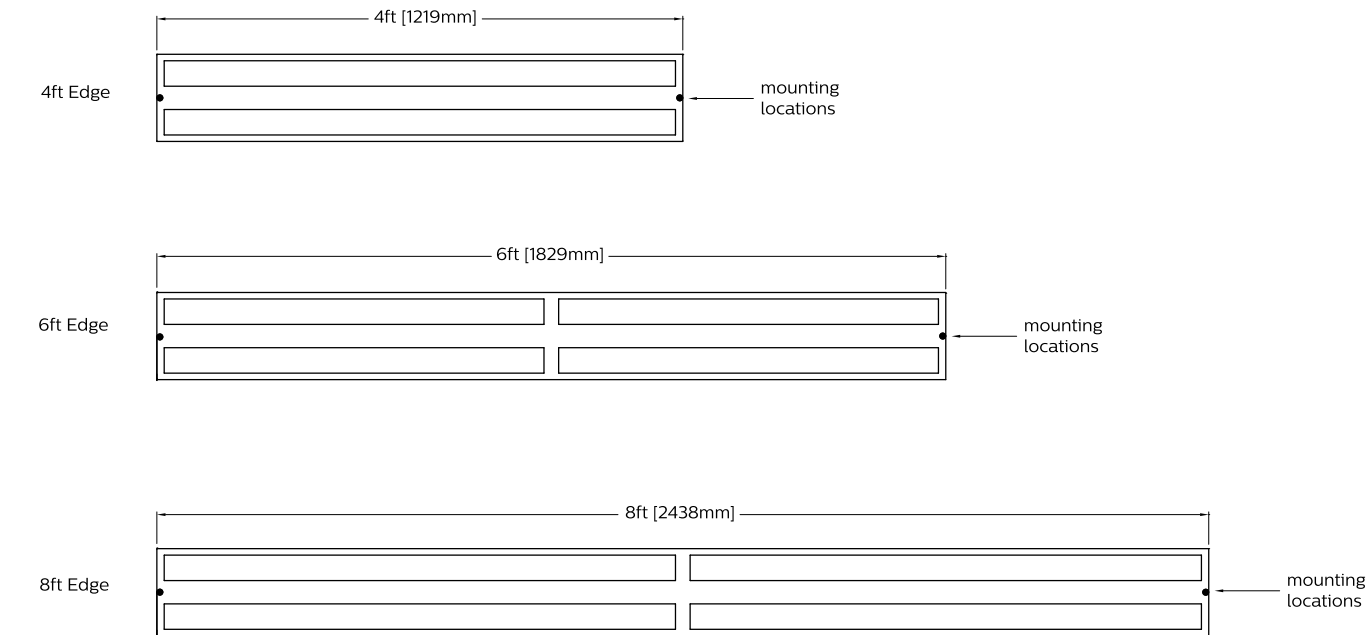
Dimensions - Cross Section



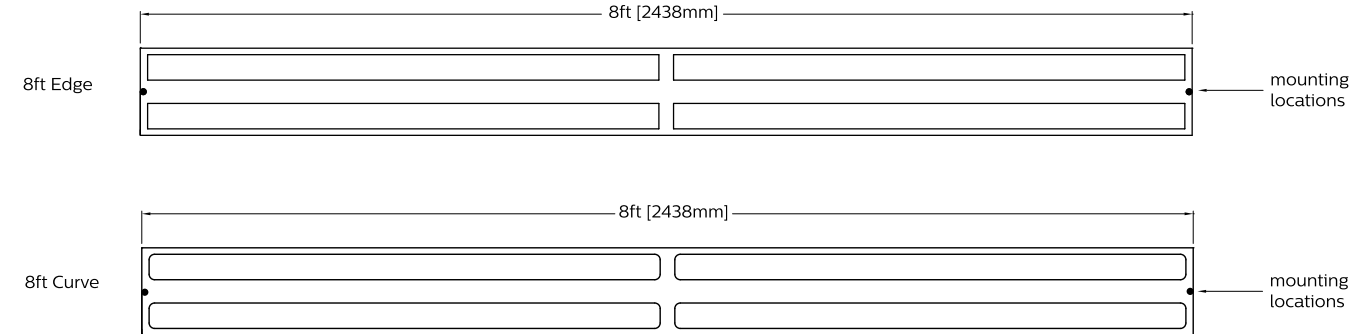
FloatPlane Suspended

4500 lm/4ft w/ 75% Down Kit*
3000/3500/4000K

Dimensions - Modules



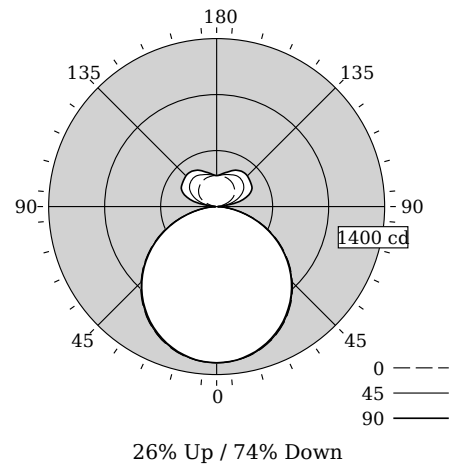
Optics and Styles



FloatPlane Suspended

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3000/3500/4000K

Photometry - 3500K



Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	1302	1302	1302	1302	1302	0
5	1298	1296	1296	1296	1296	123
15	1259	1251	1257	1255	1251	354
25	1175	1168	1173	1170	1164	539
35	1051	1043	1049	1043	1039	654
45	893	887	889	883	882	684
55	703	701	697	693	691	623
65	490	487	485	481	479	478
75	259	259	257	255	253	272
85	58	60	64	64	64	74
90	0	4	6	8	8	0
95	16	23	37	35	33	41
105	64	74	138	202	230	147
115	134	154	222	294	321	220
125	181	210	276	329	346	241
135	210	241	302	342	362	226
145	234	255	307	344	360	188
155	247	263	292	321	333	135
165	255	261	276	288	294	78
175	259	259	261	265	265	25
180	259	259	259	259	259	0

Photometry based on 4ft white luminaire.

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				70				50				0	
	Wall:		70	50	30	10	70	50	30	10	70	50	30	10	70	0
0	113	113	113	113	113	107	107	107	107	97	97	97	97	74	74	0
1	103	98	94	90	98	94	90	85	82	79	62	62	62	62	62	0
2	94	86	79	73	89	82	76	74	69	65	52	52	52	52	52	0
3	85	75	67	61	81	72	64	65	59	54	43	43	43	43	43	0
4	78	66	58	51	74	63	56	58	51	46	37	37	37	37	37	0
5	71	59	50	44	68	56	49	51	45	40	32	32	32	32	32	0
6	66	53	44	38	62	51	43	46	40	35	28	28	28	28	28	0
7	61	48	39	34	58	46	38	42	35	31	24	24	24	24	24	0
8	57	44	35	30	54	42	34	38	32	27	22	22	22	22	22	0
9	53	40	32	27	50	38	31	35	29	24	20	20	20	20	20	0
10	49	37	29	24	47	35	28	32	26	22	18	18	18	18	18	0

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle		
	0	45	90
55	6022	5972	5922
65	5705	5637	5569
75	4917	4880	4806
85	3293	3623	3623

Distribution

Hemisphere	26% Up / 74% Down
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3000/3500/4000K

Optical Performance

Nominal CCT:	3000K	3500K	4000K
Flux (lm)	4999	5104	5140
Efficacy (lm/W)	112.8	115.2	116.0
Power (W)	44.3	44.3	44.3
CCT (K)	3032	3344	3907
CRI	81	82	83
R9	2	5	10
x	0.4376	0.4178	0.3867
y	0.4093	0.4036	0.3864
Duv	0.0020	0.0030	0.0030

Electrical Performance - 3500K

Input Voltage	PoE (51-54VDC)
Input Power	44.3W
Input Current	0.8A
Tested values – contact technical support for rated values. Standby Power <0.9W	

