


PHILIPS

LEDALITE

Linear

FloatPlane Suspended  
Power over Ethernet (PoE)

4500 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

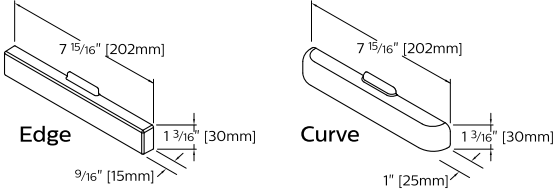
Distance from ceiling to top of luminaire in inches

Endcaps -

Integrated Controls Please indicate with check mark.

X

 Philips PoE Daylight & Occupancy Sensor (DO)



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## 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

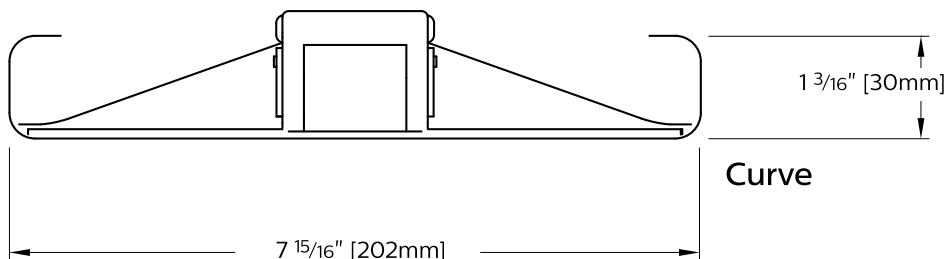
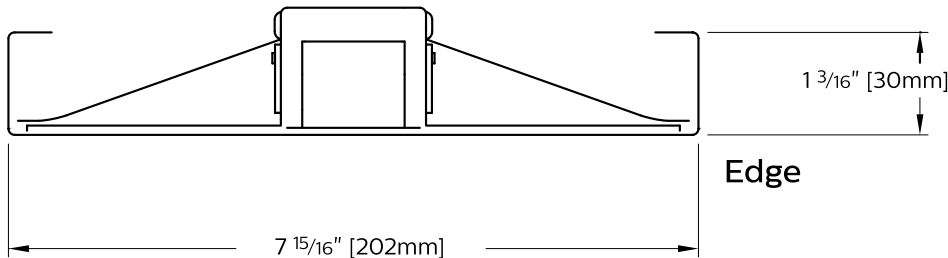
Philips indoor professional luminaires 5 year LED warranty: <http://www.philips.com/warranties>  
Optional emergency battery has a 4 year limited warranty

## 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.

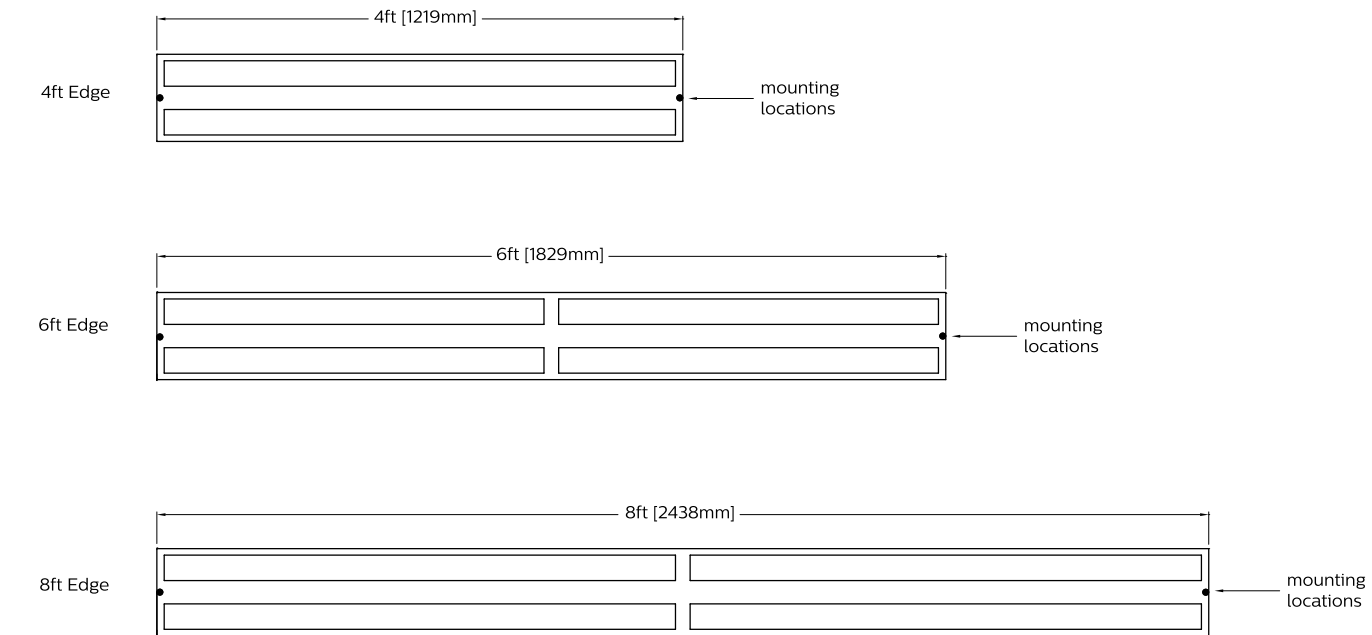
## Dimensions - Cross Section



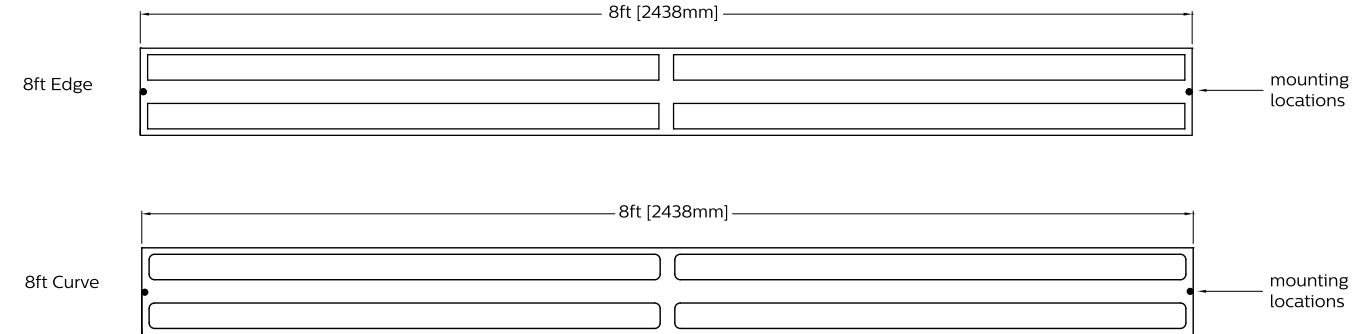
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## Dimensions - Modules



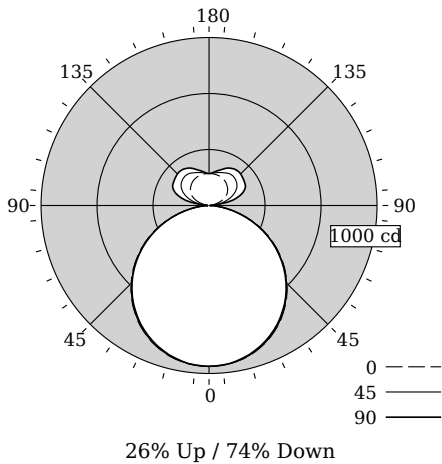
## Optics and Styles



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## Photometry - 3500K



### Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	957	957	957	957	957	0
5	954	953	953	953	953	91
15	926	920	924	923	920	260
25	864	859	863	860	856	397
35	773	767	771	767	764	481
45	657	653	654	650	648	503
55	517	515	512	509	508	458
65	361	358	356	353	352	352
75	190	190	189	187	186	200
85	43	44	47	47	47	54
90	0	3	4	6	6	0
95	11	17	27	26	24	30
105	47	54	102	149	169	108
115	99	113	163	216	236	162
125	133	155	203	242	255	177
135	155	177	222	252	266	166
145	172	187	226	253	262	139
155	182	193	215	236	245	99
165	187	192	203	212	216	58
175	190	190	192	195	195	19
180	190	190	190	190	190	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](http://www.lightingproducts.philips.com)

### Coefficients of Utilization (%)

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

### Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle		
	0	45	90
55	4428	4391	4355
65	4195	4145	4095
75	3615	3588	3534
85	2422	2664	2664

### Distribution

Hemisphere	26% Up / 74% Down
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## Optical Performance

Nominal CCT:	3000K	3500K	4000K
Flux (lm)	3674	3753	3782
Efficacy (lm/W)	115.5	118.0	118.9
Power (W)	31.8	31.8	31.8
CCT (K)	3028	3344	3907
CRI	81	82	83
R9	2	5	10
x	0.4379	0.4178	0.3867
y	0.4097	0.4036	0.3864
Duv	0.0020	0.0030	0.0030

## Electrical Performance - 3500K

Input Voltage	PoE (51-54VDC)
Input Power	31.8W
Input Current	0.57A
Tested values – contact technical support for rated values. Standby Power <0.9W	

