


PHILIPS

LEDALITE

Linear

FloatPlane Suspended  
Power over Ethernet (PoE)

3200 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

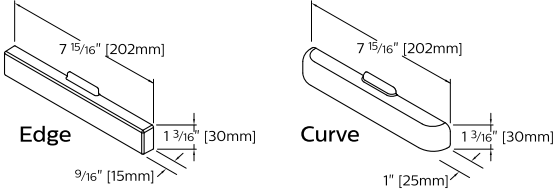
Distance from ceiling to top of luminaire in inches

Endcaps -

Integrated Controls Please indicate with check mark.

☒

 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

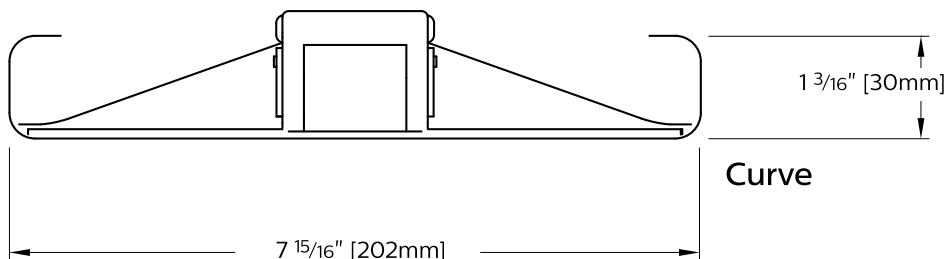
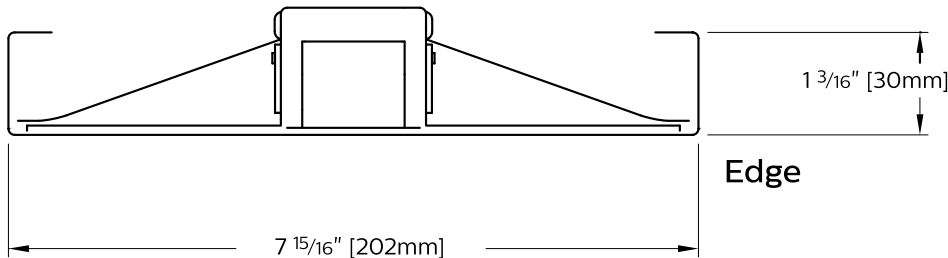
Philips indoor professional luminaires 5 year LED warranty: <http://www.philips.com/warranties>  
Optional emergency battery has a 4 year limited warranty

## 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.

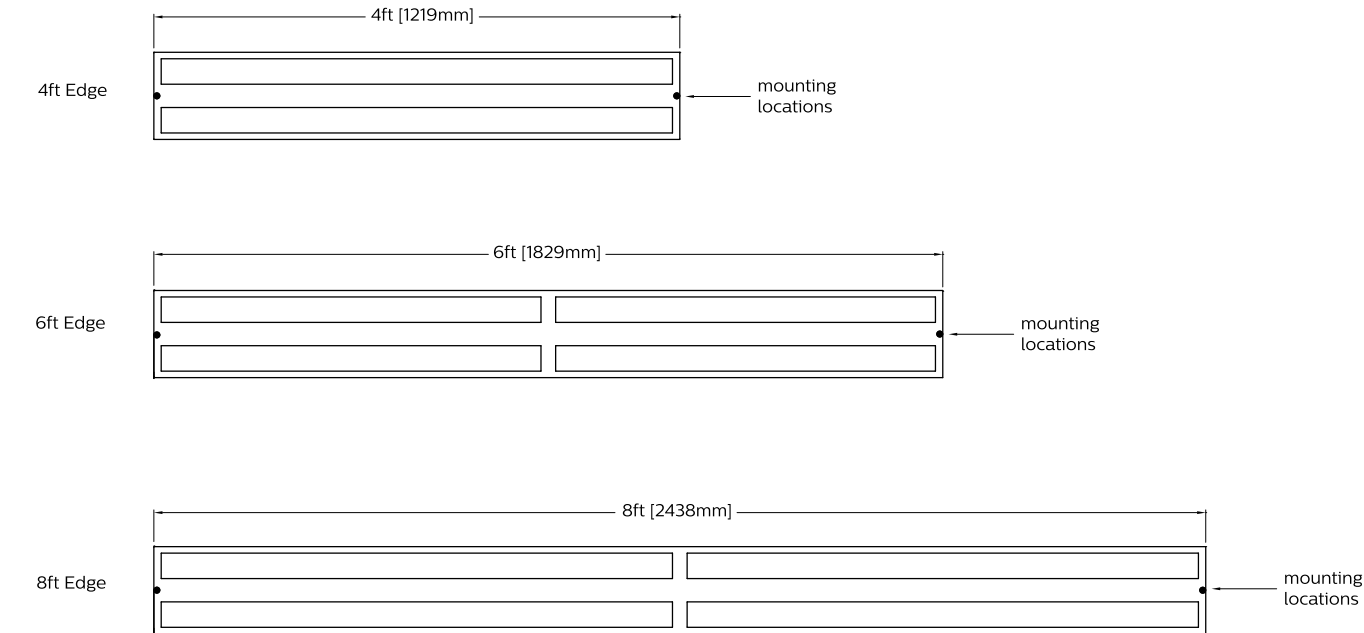
## Dimensions - Cross Section



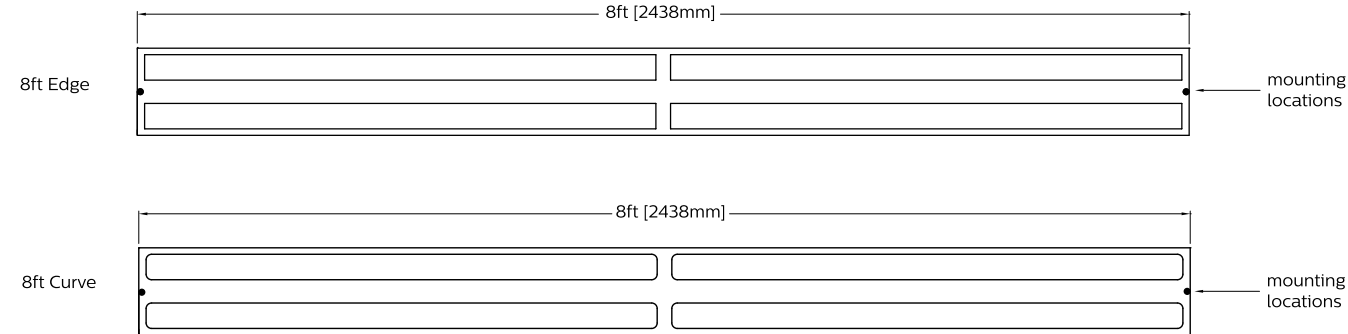
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## Dimensions - Modules



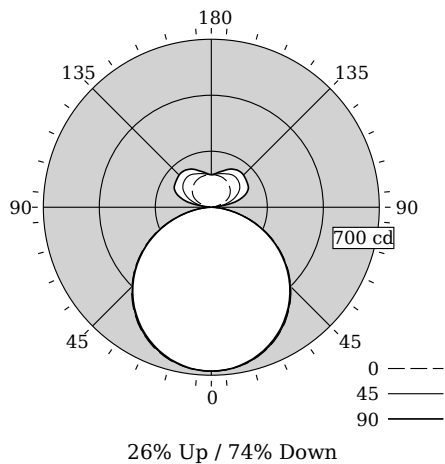
## Optics and Styles



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## Photometry - 3500K



Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	683	683	683	683	683	0
5	681	680	680	680	680	65
15	661	657	660	659	657	186
25	617	613	616	614	611	283
35	551	547	550	547	545	343
45	469	466	467	464	463	359
55	369	368	366	363	362	327
65	257	255	254	252	251	251
75	136	136	135	134	133	143
85	31	32	34	34	34	39
90	0	2	3	4	4	0
95	8	12	19	18	17	21
105	34	39	72	106	120	77
115	70	81	116	154	168	116
125	95	110	145	173	182	126
135	110	127	158	180	190	119
145	123	134	161	181	189	99
155	130	138	153	168	175	71
165	134	137	145	151	154	41
175	136	136	137	139	139	13
180	136	136	136	136	136	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:		80				70				50				0			
	Wall:		70	50	30	10	70	50	30	10	70	50	30	10	70	50	30	10
0	113	113	113	113	113	107	107	107	97	97	97	97	97	97	74	62	52	43
1	103	98	94	90	86	98	94	90	85	82	79	74	69	65	62	52	43	37
2	94	86	79	73	67	89	82	76	74	69	65	62	52	43	37	32	27	22
3	85	75	67	61	55	81	72	64	65	59	54	50	45	40	32	27	22	18
4	78	66	58	51	44	74	63	56	58	51	46	40	35	31	24	20	16	13
5	71	59	50	44	38	68	56	49	51	45	40	35	31	24	20	16	13	10
6	66	53	44	38	32	62	51	43	46	40	35	31	24	20	16	13	10	8
7	61	48	39	34	28	58	46	38	42	35	31	24	20	16	13	10	8	6
8	57	44	35	30	24	54	42	34	38	32	27	22	18	14	11	9	7	5
9	53	40	32	27	21	50	38	31	35	29	24	20	16	13	10	8	6	4
10	49	37	29	24	19	47	35	28	32	26	22	18	14	11	9	7	5	3

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle		
	0	45	90
55	3159	3133	3107
65	2993	2958	2922
75	2580	2560	2521
85	1728	1901	1901

## Distribution

Hemisphere	26° Up / 74° Down
Glare Control	Meets RP-1-12 recommendations for VDT-Normal spaces

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## Optical Performance

Nominal CCT:	3000K	3500K	4000K
Flux (lm)	2623	2678	2699
Efficacy (lm/W)	121.4	124.0	125.0
Power (W)	21.6	21.6	21.6
CCT (K)	3023	3344	3907
CRI	81	82	83
R9	3	5	10
x	0.4384	0.4178	0.3867
y	0.4101	0.4036	0.3864
Duv	0.0020	0.0030	0.0030

## Electrical Performance - 3500K

Input Voltage	PoE (51-54VDC)
Input Power	21.6W
Input Current	0.39A
Tested values – contact technical support for rated values. Standby Power <0.9W	

