

PHILIPS

LEDALITE

Linear

FloatPlane Suspended
Power over Ethernet (PoE)

3200 lm/4ft w/ 100% 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

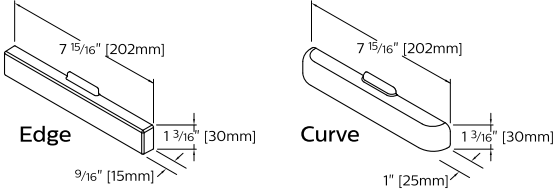
Distance from ceiling to top of luminaire in inches

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

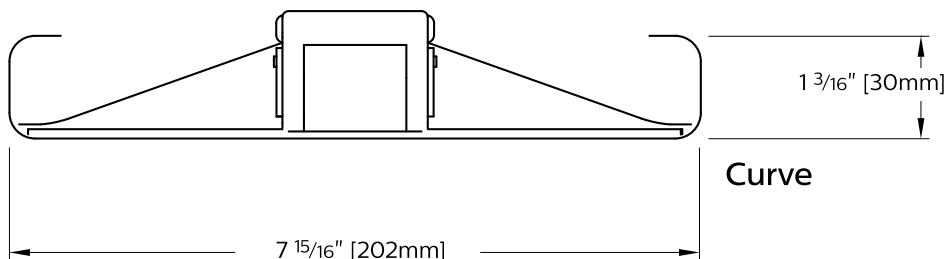
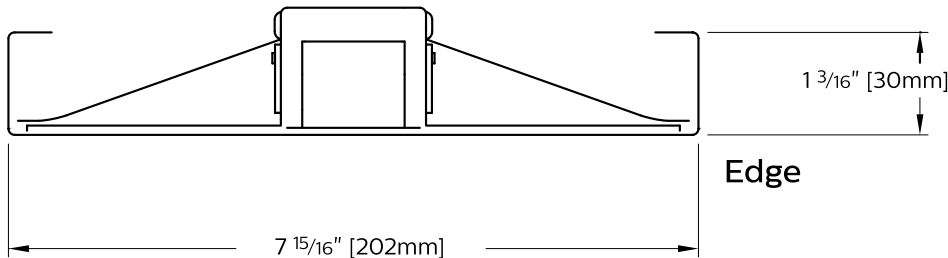
Philips indoor professional luminaires 5 year LED warranty: <http://www.philips.com/warranties>
Optional emergency battery has a 4 year limited warranty

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.

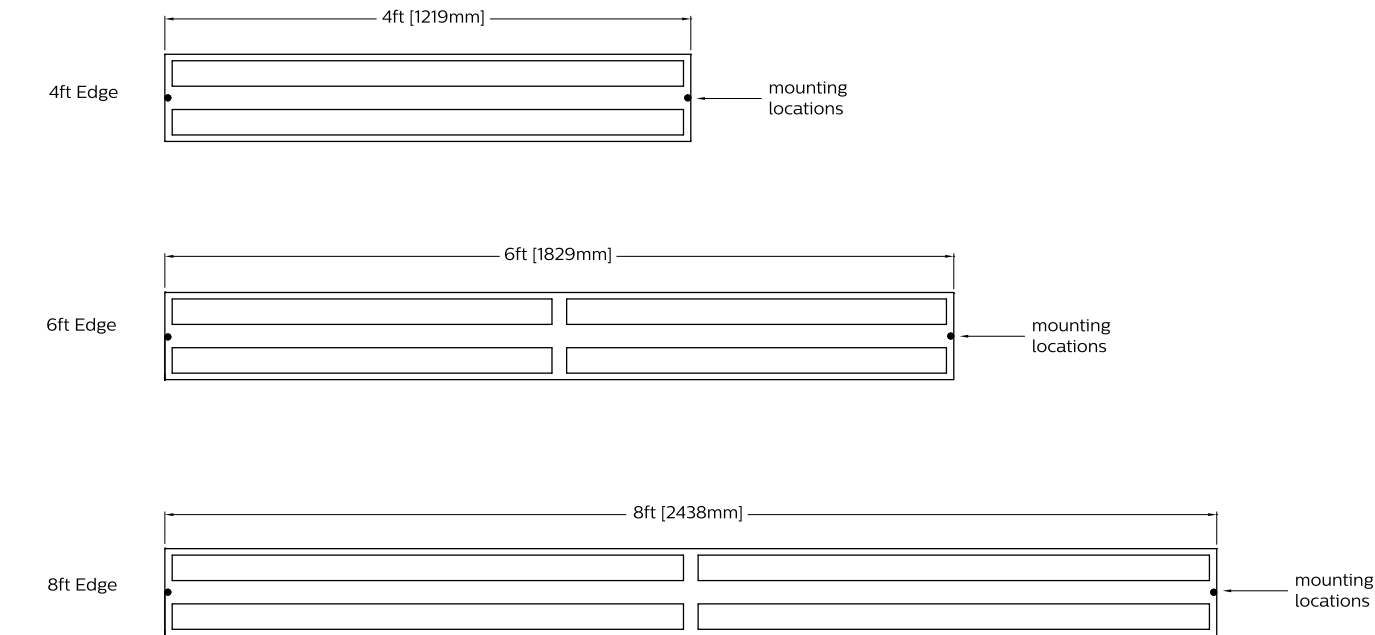
Dimensions - Cross Section



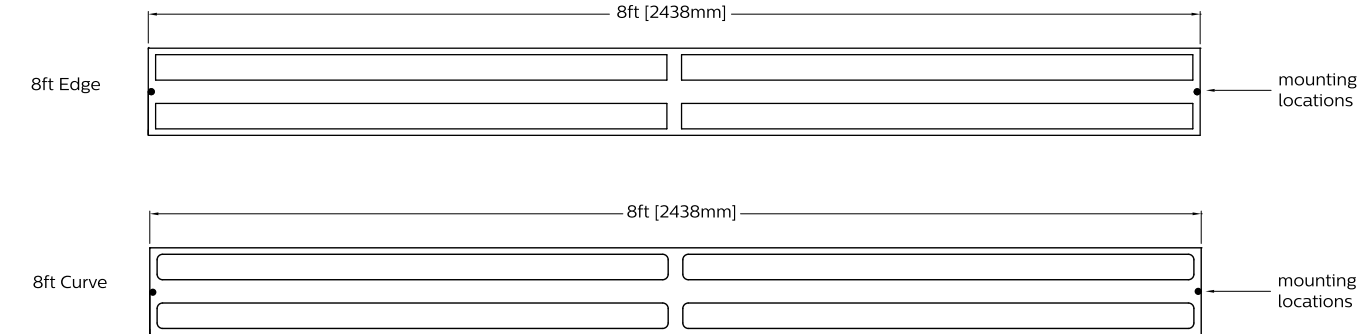
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Dimensions - Modules



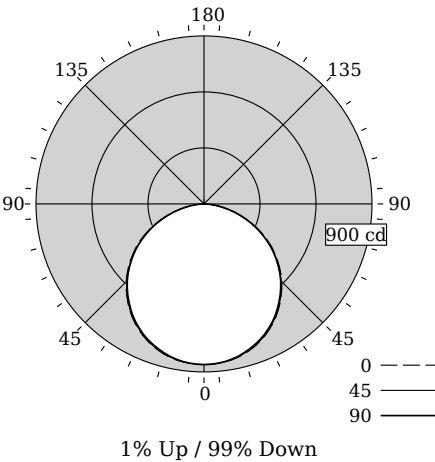
Optics and Styles



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Photometry - 3500K



Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	861	861	861	861	861	0
5	858	858	858	858	857	82
15	833	828	830	830	826	234
25	777	772	775	773	770	356
35	694	689	692	688	685	431
45	590	585	586	581	581	450
55	464	460	459	455	455	410
65	322	320	317	313	313	313
75	172	168	167	166	166	178
85	38	40	42	43	43	49
90	0	0	0	0	0	0
95	2	1	0	0	0	1
105	3	2	2	1	1	2
115	3	4	3	2	2	3
125	4	4	4	3	3	3
135	5	5	5	4	4	4
145	6	5	5	5	4	3
155	6	5	5	4	4	2
165	5	5	5	5	5	1
175	5	5	4	4	4	0
180	5	5	5	5	5	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: Wall:	80				70				50				0			
		70	50	30	10	70	50	30	50	30	10	0	70	50	30	10	
0	119	119	119	119	116	116	116	111	111	111	99	99	99	99	99	99	
1	108	104	99	95	106	101	97	97	94	91	83	83	83	83	83	83	
2	98	90	83	77	96	88	82	84	79	75	69	69	69	69	69	69	
3	90	79	71	64	87	77	70	74	68	62	58	58	58	58	58	58	
4	82	70	61	54	80	69	60	66	59	53	49	49	49	49	49	49	
5	75	62	53	47	73	61	53	59	51	46	42	42	42	42	42	42	
6	70	56	47	41	68	55	47	53	46	40	37	37	37	37	37	37	
7	64	51	42	36	63	50	42	48	41	35	33	33	33	33	33	33	
8	60	46	38	32	58	46	37	44	37	31	29	29	29	29	29	29	
9	56	42	34	29	55	42	34	41	33	28	26	26	26	26	26	26	
10	52	39	31	26	51	39	31	38	31	26	24	24	24	24	24	24	

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle		
	0	45	90
55	3973	3938	3903
65	3742	3682	3647
75	3258	3181	3161
85	2131	2361	2419

Distribution

Hemisphere 1% Up / 99% Down

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Optical Performance

Nominal CCT:	3000K	3500K	4000K
Flux (lm)	2471	2523	2543
Efficacy (lm/W)	114.4	116.8	117.7
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	

