

LEDALITE

Linear

FloatPlane Suspended

Power over Ethernet (PoE)

3200 lm/4ft

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
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

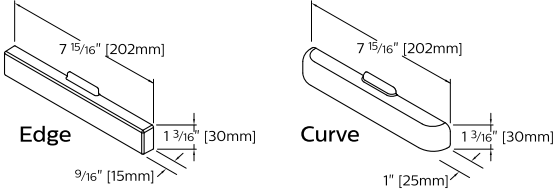
Distance from ceiling to top of luminaire in inches

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

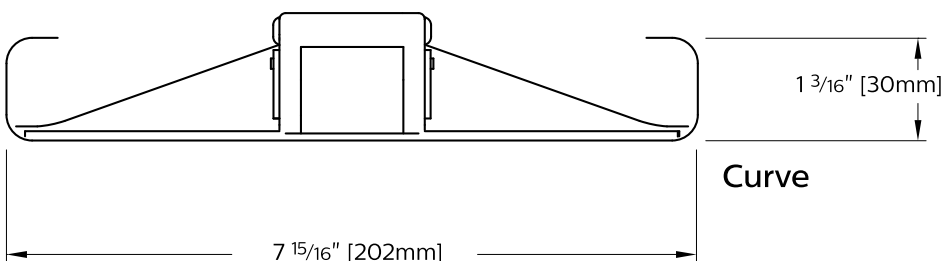
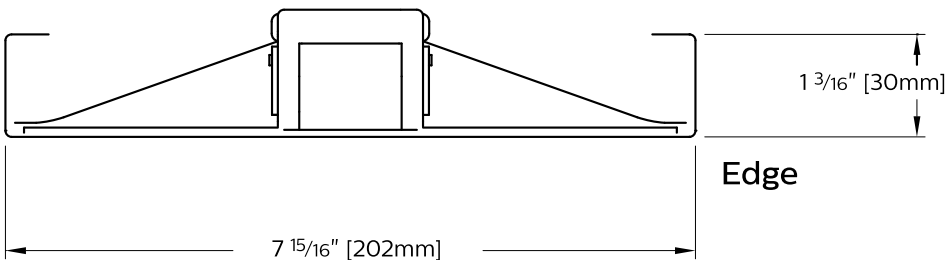
Philips indoor professional luminaires 5 year LED warranty: <http://www.philips.com/warranties>
Optional emergency battery has a 4 year limited warranty

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.

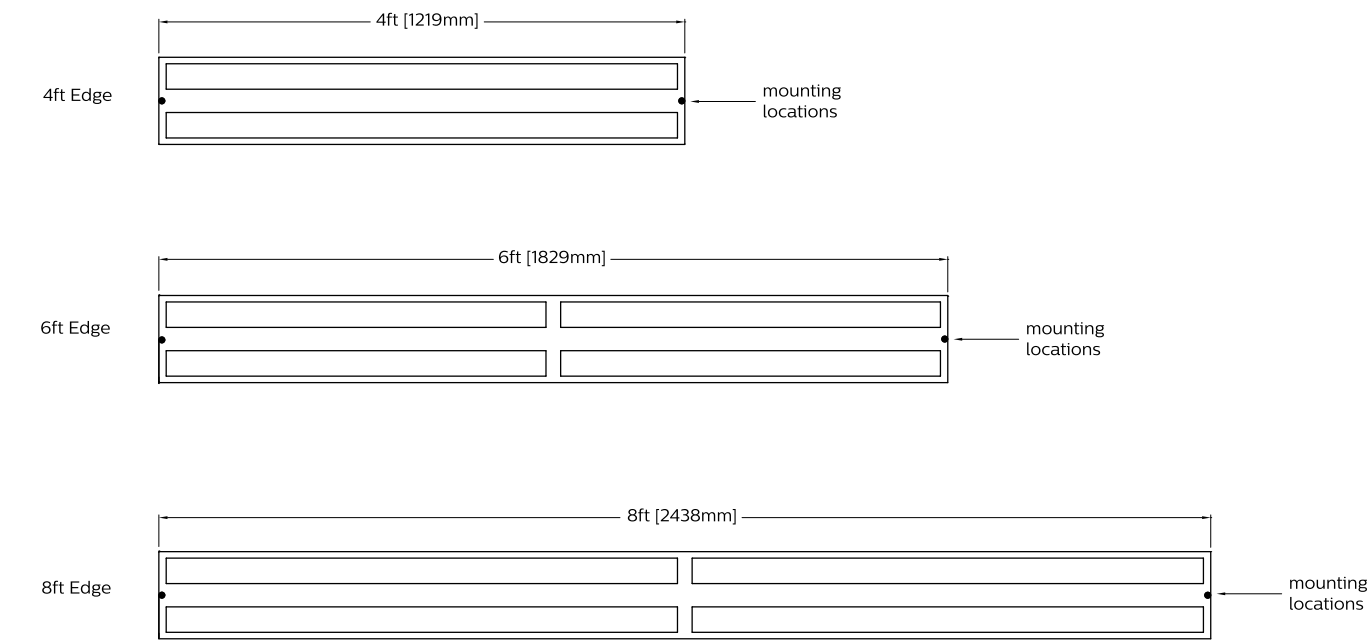
Dimensions - Cross Section



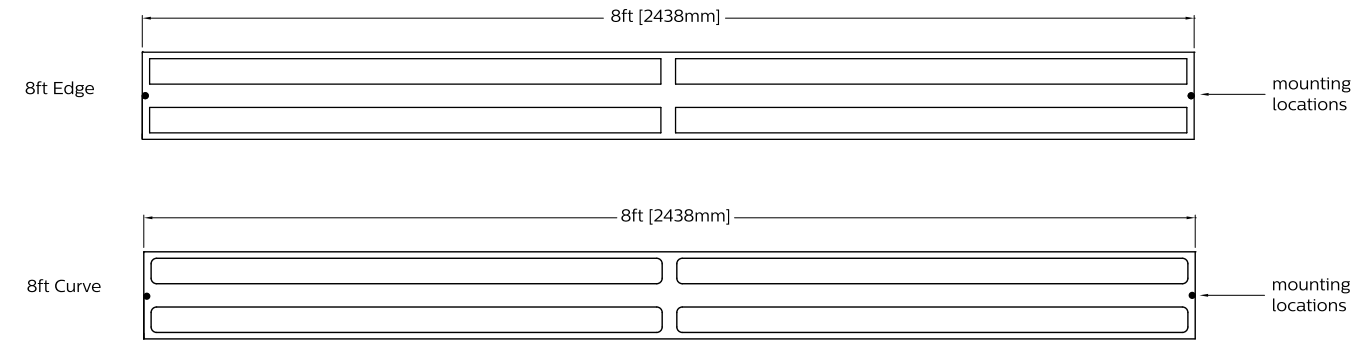
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Dimensions - Modules



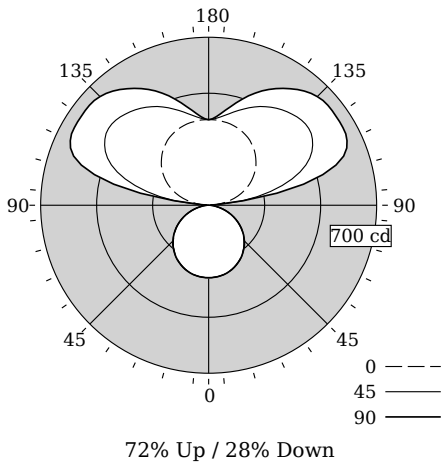
Optics and Styles



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Photometry - 3500K



Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	302	302	302	302	302	0
5	301	301	301	301	301	29
15	293	291	293	293	293	83
25	274	272	275	276	274	126
35	245	244	247	247	246	154
45	208	209	210	211	211	162
55	164	165	167	166	166	148
65	114	115	115	114	114	114
75	61	62	62	62	61	65
85	14	15	16	16	16	19
90	0	3	6	7	8	0
95	32	54	65	41	32	76
105	109	169	317	445	492	318
115	177	288	465	593	636	430
125	233	353	522	617	647	432
135	278	375	521	611	640	380
145	312	381	493	567	593	297
155	336	377	452	507	526	205
165	350	367	402	431	442	114
175	357	359	364	368	371	35
180	357	357	357	357	357	0

Photometry based on 4ft white luminaire. Black, Titanium and Custom color finishes may 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										0
	Walk										
	70	50	30	10	70	50	30	50	10	0	
0	102	102	102	102	91	91	91	71	71	71	28
1	93	89	85	81	83	79	76	62	60	58	23
2	84	77	71	66	75	69	64	54	51	48	19
3	77	68	60	55	68	61	55	48	43	40	16
4	70	60	52	46	62	54	47	42	37	34	14
5	64	53	45	39	57	48	41	38	33	29	12
6	59	47	39	34	52	43	36	34	29	25	10
7	54	42	35	29	48	38	32	30	25	22	9
8	50	38	31	26	45	35	28	28	23	19	8
9	47	35	28	23	42	31	25	25	20	17	7
10	43	32	25	20	39	29	23	23	18	15	7

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle		
	0	45	90
55	1407	1433	1424
65	1332	1344	1332
75	1155	1174	1155
85	800	914	914

Distribution

Hemisphere	72% Up / 28% Down
Peak/Zenith	1.82
Peak Output	648 cd
Glare Control	Meets RP-1-12 recommendations for VDT-Critical spaces

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Optical Performance

Nominal CCT:	3000K	3500K	4000K
Flux (lm)	3144	3184	3194
Efficacy (lm/W)	145.6	147.4	147.9
Power (W)	21.6	21.6	21.6
CCT (K)	3092	3427	4028
CRI	81	82	83
R9	4	6	11
x	0.4333	0.4122	0.3805
y	0.4077	0.4000	0.3811
Duv	0.0020	0.0030	0.0020

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	

