

PHILIPS

LEDALITE

Linear

FloatPlane Suspended
Power over Ethernet (PoE)

4500 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
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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.

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 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 Luminare 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

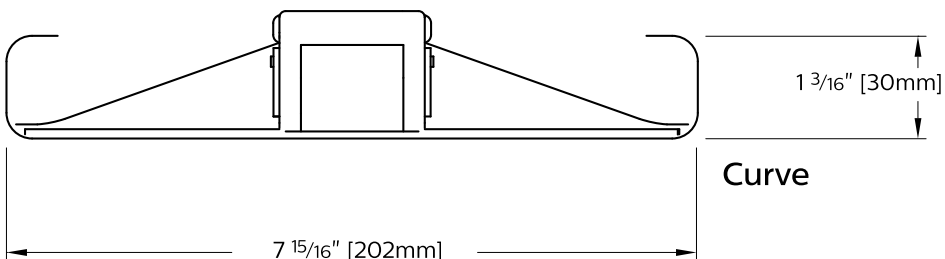
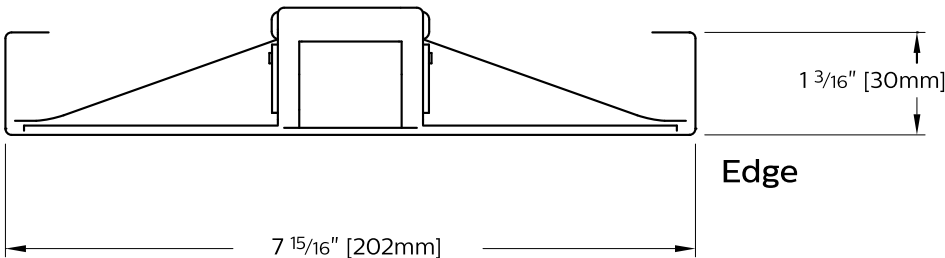
Philips indoor professional luminaires 5 year LED warranty: <http://www.philips.com/warranties>
Optional emergency battery has a 4 year limited warranty

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.

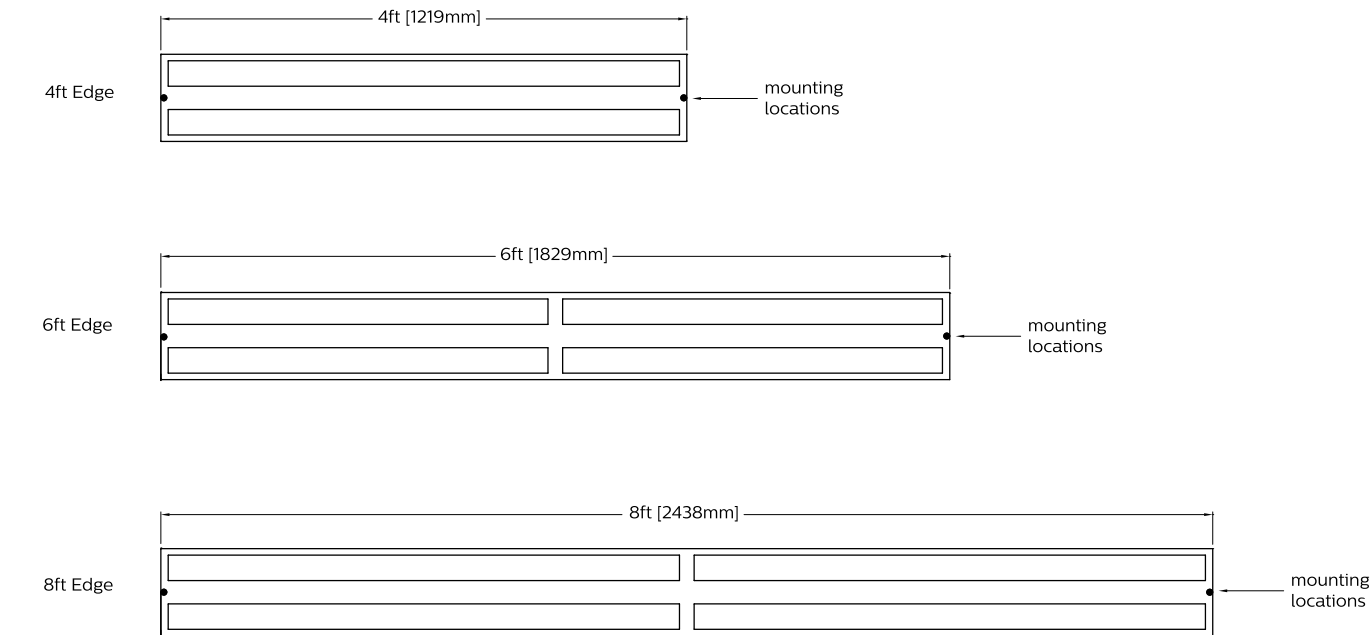
Dimensions - Cross Section



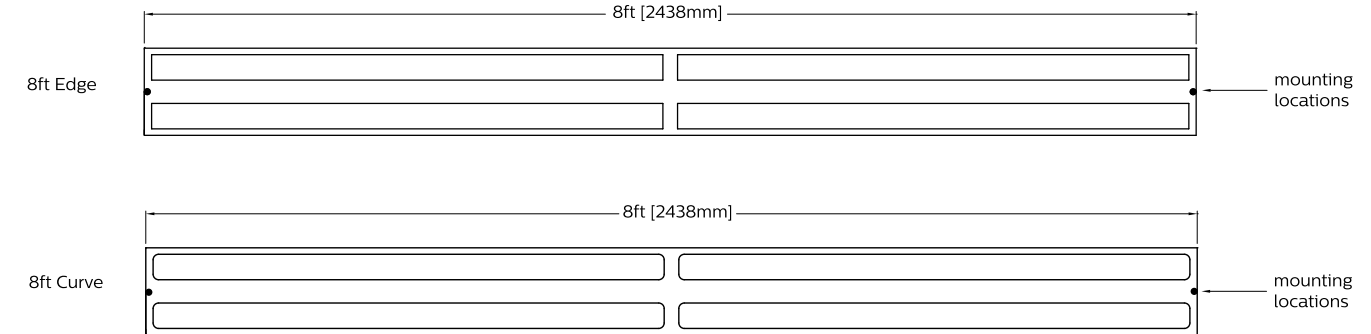
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Dimensions - Modules



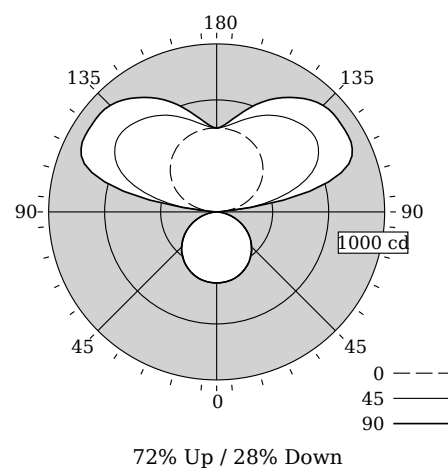
Optics and Styles



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Photometry - 3500K



Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	423	423	423	423	423	0
5	421	421	421	421	421	40
15	410	407	410	410	410	115
25	383	381	384	386	383	177
35	343	342	346	346	345	215
45	291	292	294	295	295	226
55	230	231	234	233	233	207
65	160	162	162	160	160	159
75	85	86	86	86	85	91
85	20	21	23	23	23	26
90	0	4	9	10	11	0
95	45	75	91	57	45	106
105	153	237	444	623	689	445
115	248	403	651	830	891	602
125	326	493	730	864	906	604
135	389	525	729	855	896	531
145	437	533	691	794	830	416
155	471	527	632	709	736	286
165	491	513	563	603	618	159
175	499	502	509	515	519	49
180	499	499	499	499	499	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					0				
	70	50	30	10	70	50	30	50	30	10	0	70	50	30	10
0	102	102	102	102	91	91	91	71	71	71	28	0	0	0	0
1	93	89	85	81	83	79	76	62	60	58	23	0	0	0	0
2	84	77	71	66	75	69	64	54	51	48	19	0	0	0	0
3	77	68	60	55	68	61	55	48	43	40	16	0	0	0	0
4	70	60	52	46	62	54	47	42	37	34	14	0	0	0	0
5	64	53	45	39	57	48	41	38	33	29	12	0	0	0	0
6	59	47	39	34	52	43	36	34	29	25	10	0	0	0	0
7	54	42	35	29	48	38	32	30	25	22	9	0	0	0	0
8	50	38	31	26	45	35	28	28	23	19	8	0	0	0	0
9	47	35	28	23	42	31	25	25	20	17	7	0	0	0	0
10	43	32	25	20	39	29	23	23	18	15	7	0	0	0	0

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle		
	0	45	90
55	1969	2006	1993
65	1864	1881	1864
75	1616	1643	1616
85	1120	1280	1280

Distribution

Hemisphere	72% Up / 28% Down
Peak/Zenith	1.82
Peak Output	908 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)	4398	4458	4467
Efficacy (lm/W)	138.3	140.2	140.5
Power (W)	31.8	31.8	31.8
CCT (K)	3094	3427	4028
CRI	81	82	83
R9	3	6	11
x	0.4329	0.4122	0.3805
y	0.4073	0.4000	0.3811
Duv	0.0020	0.0030	0.0020

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	

