



Linear

FloatPlane

Suspended with Interact Pro



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.

Spec Package Contents & Links

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Project	
Spec. Type	Line ID
Date	
Quantity	
Notes	

Order Guide

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 Family Version Source Color Temp Lumens Lower Optics Upper Optics Run Length Wiring Voltage Driver Finish Options Sensors Ceiling Suspension

Family	Version	Source	Color Temp ¹	Lumens ¹	Lower Optics	Upper Optics	Run Length	Wiring ²
24 FloatPlane	G5 Edge Suspended	L LED	A 4000K	C 4500 lm/4ft	A Acrylic diffuser	A Acrylic diffuser	04 4ft.	7 1cct Dimming
	R5 Curve Suspended		B 3500K	E 3200 lm/4ft			08 8ft.	N 1cct Dimming + EM Batt. Pack
			C 3000K					

Voltage ²	Driver	Finish	Option	Sensors	Ceiling Mount	Suspension
D UNV 120/277V	S Philips Advance Sensor Ready (5% dim)	W Standard White	N No Option	IP Interact Pro SZ SpaceWise DT Occupancy & Daylight Sensor	A1 Non-accessible ceiling, 0°-15° Slope Mount	24 24in.
					A2 T-grid Fixed Position Mount	48 48in.
					A3 Non-accessible ceiling, 0°-90° Slope Mount	96 96in.
					A5 T-grid Fixed Position Mount	144 144in.
					A6-1 T-grid On-grid Mount 15/16" (non tegular tile only)	
					A6-2 T-grid On-grid Mount 9/16" (non tegular tile only)	
					A6-3 T-grid On-grid Mount 9/16" x 5/16" (slot tee & tegular tile)	

Footnotes

- Nominal values within a range. Consult photometry data for color temp, lumens & distribution of chosen configuration.
- Not all wiring types are available with all configurations. Consult Philips Ledalite for a complete list of available options.



interact ready.

FloatPlane

Linear Suspended

Options and Details

Performance Summary - Suspended*

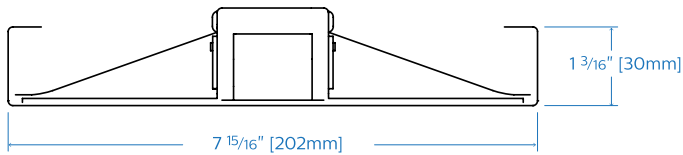
LED Output	3200lm	4500lm
CRI	82	82
Energy (in W, per 4ft)	25	36
Efficacy (in LPW)	128	125

*Values based on 3500K CCT and standard 70% up / 30% dn optics

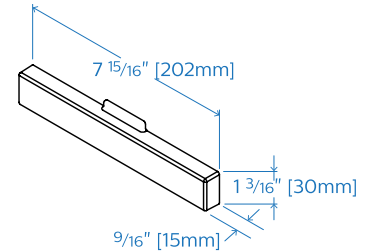
Dimensions, Cross-Section & Endcaps

Edge Suspended

Cross section

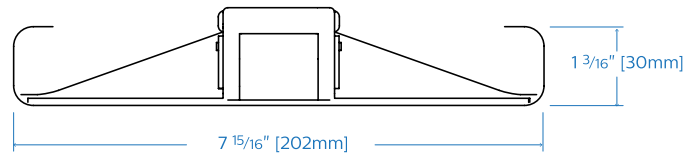


Endcap detail

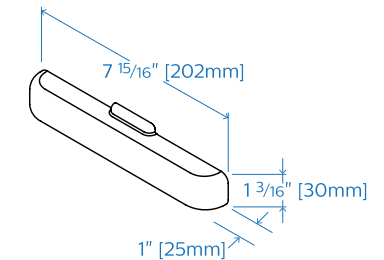


Curve Suspended

Cross section

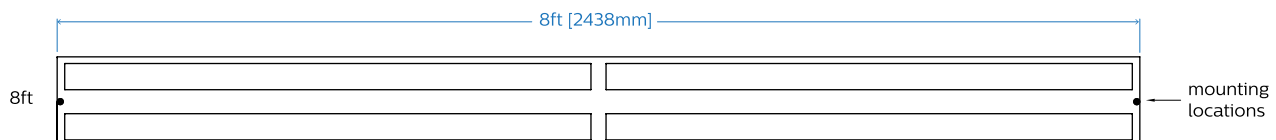
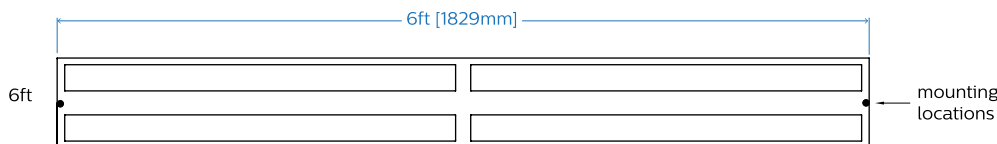
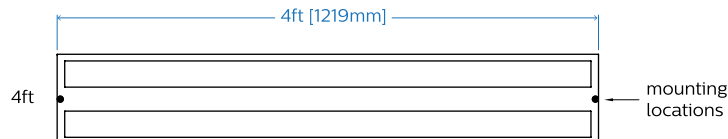


Endcap detail



Module Dimensions

Edge Suspended optics shown



FloatPlane

Linear Suspended

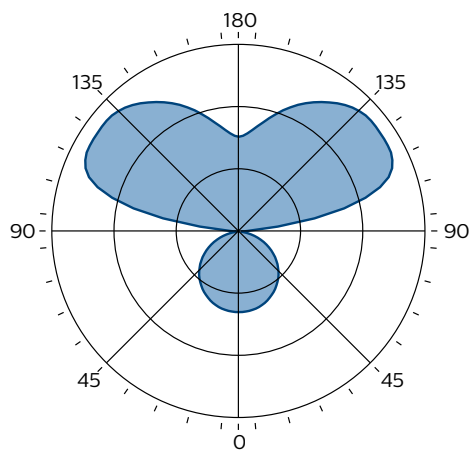
Photometrics

70% Up / 30% Down Nominal Distribution (AA Optics)

(Click "PDF" and "IES" text to Download)

Lumen Package	Nominal CCT & CRI	Flux (lm)	Watts (W)	Efficacy (LPW)	CRI	R9	RP-1 VDT	DLC*	Photometric Report	IES File
3200lm	3000K 80 CRI	3144	24.9	126.3	81	4	Critical spaces	Standard	PDF	IES
	3500K 80 CRI	3184	24.9	127.9	82	6	Critical spaces	Standard	PDF	IES
	4000K 80 CRI	3194	24.8	128.8	83	11	Critical spaces	Standard	PDF	IES
4500lm	3000K 80 CRI	4398	35.6	123.5	81	3	Critical spaces	Standard	PDF	IES
	3500K 80 CRI	4458	35.6	125.2	82	6	Critical spaces	Standard	PDF	IES
	4000K 80 CRI	4467	35.5	125.8	83	11	Critical spaces	Standard	PDF	IES

Values per 4ft. Fixture photometry has been conducted in accordance with IESNA LM-79-08. IES files for this and other options can be downloaded online at lightingproducts.philips.com



Distribution: 70% Up / 30% Down
 Peak Angle: 113 degrees
 Peak to Zenith: 1.79

Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	22.5°	45°	67.5°	90°	
0°	302	302	302	302	302	
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	
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	

*Photometric data shown is for 3200lm, 3500K, 80 CRI configuration.

Coefficients of Utilization (%)													
Pc---	80				70				50				0
Pw---	70	50	30	10	70	50	30	10	50	30	10	0	
RCR	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		

*Based on a floor reflectance of 0.2

Average Luminance (cd/m²)			
	0°	45°	90°
0°	1484	1484	1484
5°	1485	1485	1485
15°	1490	1490	1490
25°	1484	1489	1484
35°	1471	1484	1477
45°	1444	1458	1465
55°	1407	1433	1424
65°	1332	1343	1332
75°	1155	1174	1155
85°	800	914	914

Zonal Lumen Summary		
Zone	Lumens	% Fixture
0-30°	237	7.5%
0-40°	391	12.3%
0-60°	701	22.0%
0-90°	899	28.2%
90-130°	1255	39.4%
90-150°	1932	60.7%
90-180°	2286	71.8%
0-180°	3184	100.0%

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Technical Specifications

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.

Endcaps

Diecast aluminum endcaps in either Edge or Curve versions to match housing.

Finish

High quality powder coated, available in matte white. Other custom colors available on request. White sensors only.

Housing

Precision formed 18 gauge cold-rolled steel. Approx. cross section size: 1.5"h x 8"w (suspended).

Weight

Maximum: Suspended 3.5lb/ft

Electrical

Factory pre-wired to ends with quick-wire connectors.

Standard Drivers

Philips Advance Xitanium Sensor Ready dimming. Class 2 rated output. Consult Philips Ledalite for other available drivers.

Standard Battery Pack

Philips Bodine, 90 min, 10W, Class 2 rated output, Emergency lumen output = 10W x luminaire efficacy x 1.1. Typical output 1400lm.

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 is:

L80 (12k) 70,000 hrs suspended

(**Reported** methodology)

L70 (12k) 108,000 hrs suspended

(**Projected** methodology)

Source Color

LEDs rated for color rendering CRI >80, R9 >0 and fixture to fixture color accuracy within 2 SDCM.

Interact Pro (IP)

- Interact Pro brings the power of connected lighting to small and medium businesses without the complexity usually associated with connected lighting.
- Interact Pro includes an app, a portal and a broad portfolio of wireless Luminaires, lamps and retrofit kits all working on the same system.
- Commissioning via Interact Pro App (Android or iPhone).
- Prepare commissioning remotely via Interact Pro portal.
- Requires compatible Interact Pro Gateway and internet connectivity for commissioning.
- Compatible with UID8451/10 ZigBee Greenpower wireless dimmer switch.
- Compatible with wireless Occ sensor (OCC SENSOR IA CM IP42 WH 10/1) or wireless Day/Occ sensor (OCC MULTI SENSOR IA CM WH 10/1)
- For more information on Interact Pro visit: www.interact-lighting.com/pro
- For more information on Interact Ready visit: www.philips.com/interact-ready

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.

Approvals

Certified to UL, CSA and IES standards. Certain suspended versions (24x5L) are DesignLights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers (www.designlights.org/QPL).

Warranty

Philips indoor professional luminaires 5 year LED warranty: www.philips.com/warranties

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.

