



# Linear

## FloatPlane Suspended LED

CRI >80 3000K, 3200 lm/4ft



Project: \_\_\_\_\_  
 Spec Type: \_\_\_\_\_  
 Catalog No: 24x5LCEAA \_\_\_\_\_  
 Qty \_\_\_\_\_  
 Line Notes: \_\_\_\_\_

Interior spaces should resonate, evoke emotion and satisfy a purpose. With FloatPlane LED, it's easier than ever to integrate sleek and sporty style into your layout and within your budget. Fresh and playful with two profile options, Curve and Edge, 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		L	C	E	A	A					
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' 06 6' 08 8' XX Total run length (2' increments)	1 1 cct 3 1 cct w/ EM cct 5 1 cct w/ BP 7 1 cct w/ Dimming 8 1 cct w/ TW B 2 cct A/B N 1 cct w/ Dim & BP	1 120V 2 277V 3 347V	E Philips Advance  Other drivers available - consult factory	W Standard White T Titanium Silver B Black C Custom

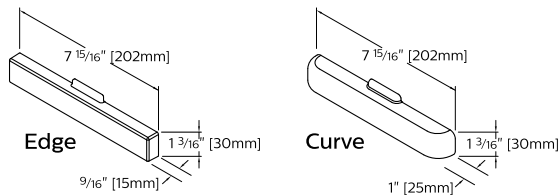
\* Nominal values within a range. Consult ies file for exact color temp, lumens and up/down distribution † Consult website for complete list of standard wiring options

### Mounting Hardware

**Mount Type**  
Consult separate mounting spec sheet for mount type options

**Suspension Length**  
Distance from ceiling to top of luminaire in inches

Endcaps -  Edge/Curve



**Integrated Controls** Please indicate with check mark.

- Response Daylight Sensor Single Zone (DS)
- Philips Actilume Occupancy Sensor (DO) (includes field commissionable daylight sensor)



# FloatPlane Suspended LED

CRI >80 3000K, 3200 lm/4ft

## 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

## Optical System

White light emitted from dual linear arrays of lateral-facing LEDs is diffused and redirected into the upper and lower hemispheres through a combination of high reflectivity components and acrylic diffusers. This delivers a high efficiency 70% up / 30% down indirect/direct distribution with a wide, homogeneous batwing distribution in the upper hemisphere. Twin polymer diffusers on the lower surface with a combined optical aperture of 5-1/2” deliver a uniform, controlled brightness to maximize 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.

## Standard Driver

Philips Advance Xitanium. Output is Class 2 rated. Dimming: 0-10V, 5-100%.

## Electrical

Pre-wired to module ends, quick-wire connectors included.

## 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 meet stringent safety requirements.

**Wall:** A hidden steel rail and bracket system attaches to the existing structure and supports housings close to the wall. Mount positioning is fully variable along the modules to accommodate site conditions, but should be no more than 4-1/2ft on center and always within 12” of an end or joint.

## 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.

## Endcaps

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

## Finish

High quality powder coated, available in matte white, black or titanium silver. Other custom colors, including Pacific Aqua and Surf Yellow, available on request.

## Approvals

Certified to UL, CSA and IES standards.

## Lumen Maintenance

Lumen maintenance of the LEDs has been tested by the manufacturer in accordance with IESNA LM-80-08. At an ambient temperature of 25°C, the LED lumen maintenance expectation is:

**Suspended:**L<sub>80</sub> (12k) 70,000 hrs

**Wall mount:**L<sub>80</sub> (12k) 64,000 hrs

according to IES TM-21-11 Addendum A Reported methodology

## Warranty

Philips indoor professional luminaires 5 year LED warranty:

<http://www.philips.com/warranties>

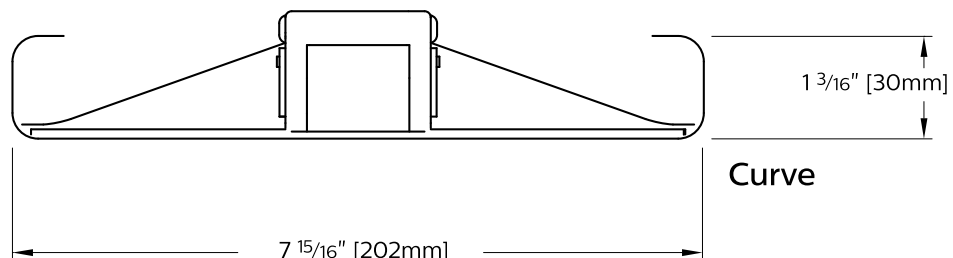
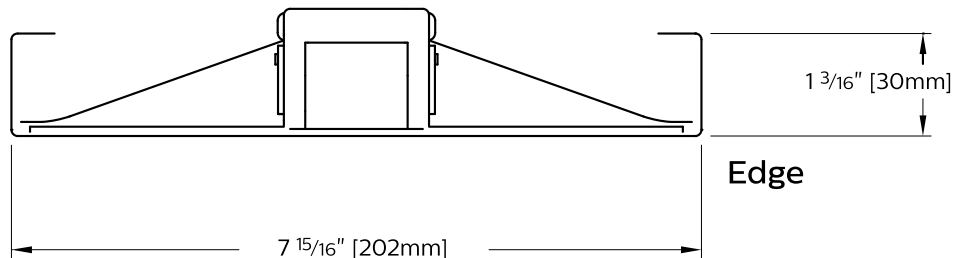
## Environment

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.

Due to continuing product improvements, Philips Ledalite reserves the right to change the specifications without notice.

## Options and Details

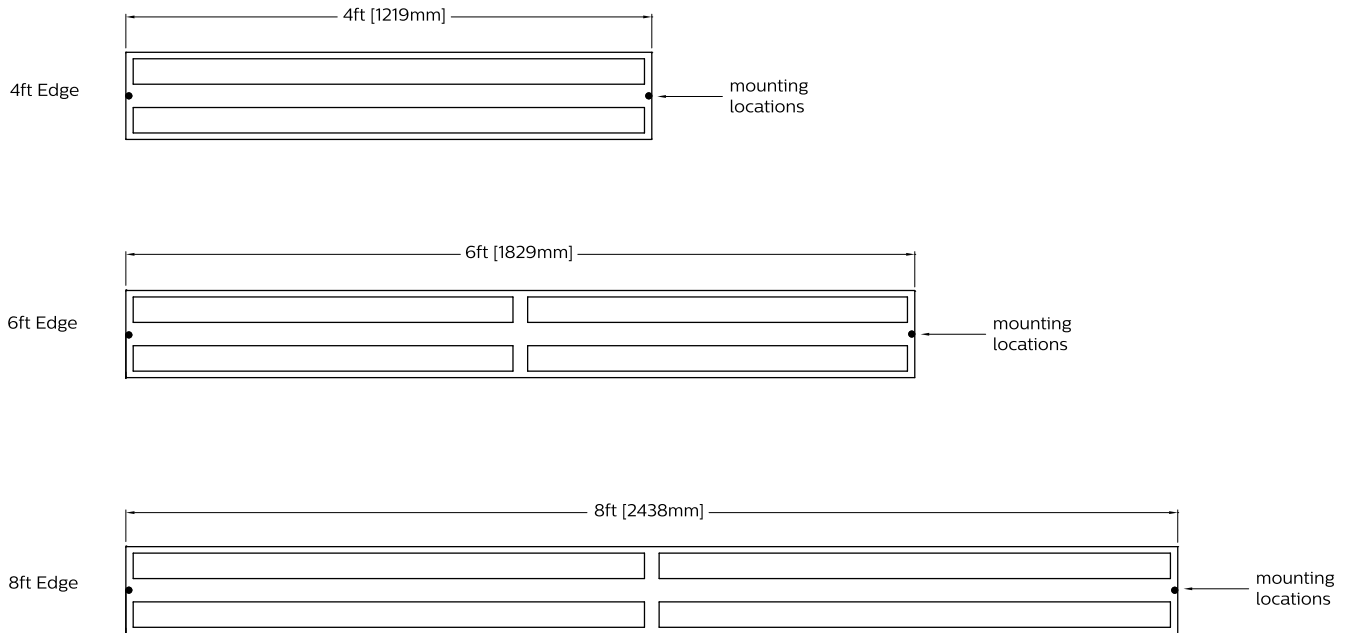
### Cross Section



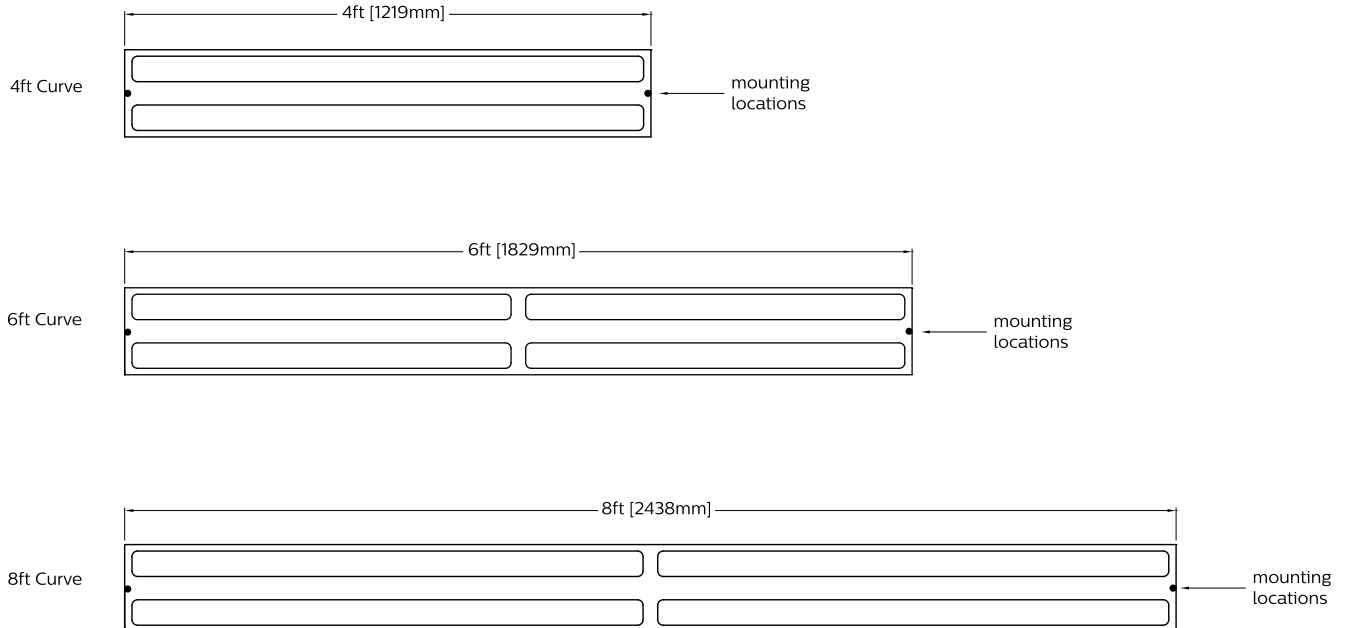
# FloatPlane Suspended LED

CRI >80 3000K, 3200 lm/4ft

## Modules - Edge



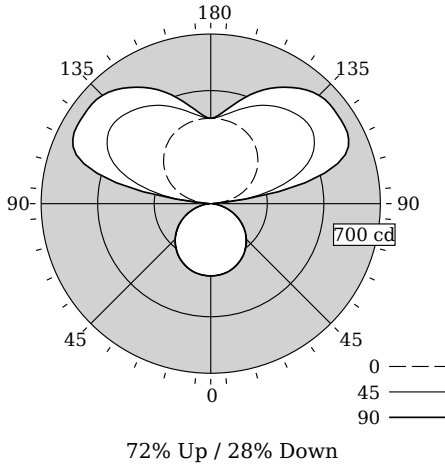
## Modules - Curve



# FloatPlane Suspended LED

CRI >80 3000K, 3200 lm/4ft

## Photometry



Total Output	3144 lm
Efficacy	126.3 lm/W
CCT	3092K
CRI	81
R9	4
Distribution	72% Up / 28% Down
Peak/Zenith Ratio	1.82
Peak Output	640 cd @ 128°
Meets RP-1-12 recommendations for VDT-Critical spaces	

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 by an NVLAP accredited testing laboratory 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)

## Candela Distribution

Vertical Angle	Horizontal Angle				Zonal Lumens	
	0	45	67.5	90		
0	298	298	298	298	0	
5	297	297	297	297	28	
15	289	287	289	289	81	
25	270	269	271	272	125	
35	242	241	244	243	152	
45	205	206	207	208	160	
55	162	163	165	164	146	
65	113	114	114	113	112	
75	60	61	61	60	64	
85	14	15	16	16	19	
90	0	3	6	7	8	
95	32	53	64	40	32	75
105	108	167	313	439	486	314
115	175	284	459	585	628	425
125	230	348	515	609	639	426
135	274	370	514	603	632	375
145	308	376	487	560	585	294
155	332	372	446	500	519	202
165	346	362	397	425	436	112
175	352	354	359	363	366	35
180	352	352	352	352	352	0

## Coefficients of Utilization (%)

RCR	Ceiling: Wall															
	70	50	30	10	70	50	30	50	30	10	0	70	50	30	10	0
0	102	102	102	102	91	91	91	71	71	71	28	102	102	102	102	102
1	93	89	85	81	83	79	76	62	60	58	23	93	93	93	93	93
2	84	77	71	66	75	69	64	54	51	48	19	84	84	84	84	84
3	77	68	60	55	68	61	55	48	43	40	16	77	77	77	77	77
4	70	60	52	46	62	54	47	42	37	34	14	70	70	70	70	70
5	64	53	45	39	57	48	41	38	33	29	12	64	64	64	64	64
6	59	47	39	34	52	43	36	34	29	25	10	59	59	59	59	59
7	54	42	35	29	48	38	32	30	25	22	9	54	54	54	54	54
8	50	38	31	26	45	35	28	28	23	19	8	50	50	50	50	50
9	47	35	28	23	42	31	25	25	20	17	7	47	47	47	47	47
10	43	32	25	20	39	29	23	23	18	15	7	43	43	43	43	43

## Avg. Luminance (cd/m<sup>2</sup>)

Vertical Angle	Horizontal Angle		
	0	45	90
55	1389	1414	1406
65	1315	1326	1315
75	1140	1159	1140
85	790	903	903

Philips Ledalite

**Lighting facts**  
A Program of the U.S. DOE

---

**Light Output (Lumens)** **3144**

**Watts** **24.9**

**Lumens per Watt (Efficacy)** **126.3**

---

**Color Accuracy**  
Color Rendering Index (CRI) **81**

---

**Light Color**  
Correlated Color Temperature (CCT) **3092 (Bright White)**

2700K    3000K    4500K    6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit [www.lightingfacts.com](http://www.lightingfacts.com) for the Label Reference Guide.

Registration Number: F46Z-6MUUNP (8/27/2015)  
Model Number: 24x5LCEAA  
Type: Luminaire - Linear

## Electrical Specifications

<b>Input Voltage</b>	<b>120V</b>	<b>277V</b>
<b>Input Power</b>	<b>24.9W</b>	<b>24.7W</b>
<b>Input Current</b>	<b>0.21A</b>	<b>0.09A</b>
<b>Power Factor</b>	<b>0.998</b>	<b>0.959</b>
<b>Total Harm. Distortion</b>	<b>7.2%</b>	<b>14%</b>
Tested values – contact technical support for rated values. Off-state power zero unless certain controls are specified.		

© 2015 Koninklijke Philips N.V. All rights reserved. Philips reserves the right to make changes in specifications and/or to discontinue any product at any time without notice or obligation and will not be liable for any consequences resulting from the use of this publication. [philips.com/luminaires](http://philips.com/luminaires)  
[www.philips.com/luminaires](http://www.philips.com/luminaires)



Philips Lighting, North America Corporation  
200 Franklin Square Drive, Somerset, NJ 08873  
Tel. 855-486-2216

Philips Lighting Canada Ltd.,  
281 Hillmount Rd, Markham, ON, Canada L6C 2S3  
Tel. 800-668-9008