



# Linear

## FloatPlane Suspended LED

CRI >80 3500K, 3200 lm/4ft



Project: \_\_\_\_\_  
 Spec Type: \_\_\_\_\_  
 Catalog No: 24x5LBEAG \_\_\_\_\_  
 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	B	E	A	G					
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

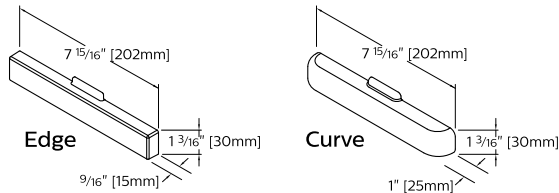
\* Nominal values within a range. Consult ies file for exact color temp, lumens and up/down distribution † Consult website for complete list of standard wiring options

### 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)



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## 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>

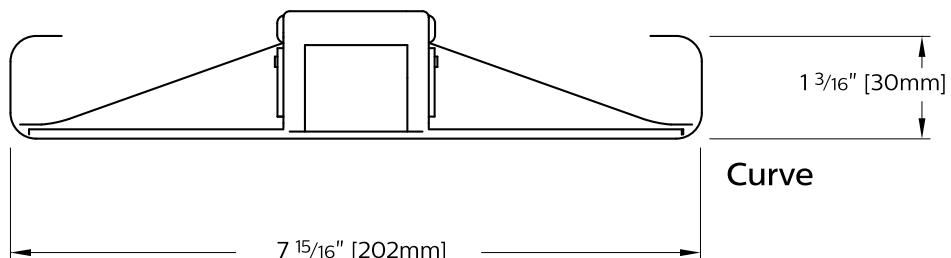
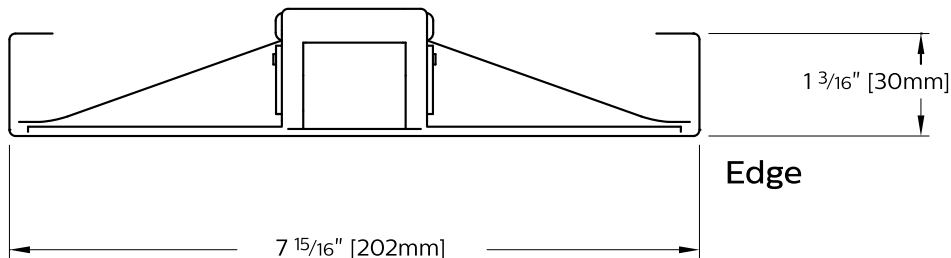
## Environment

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

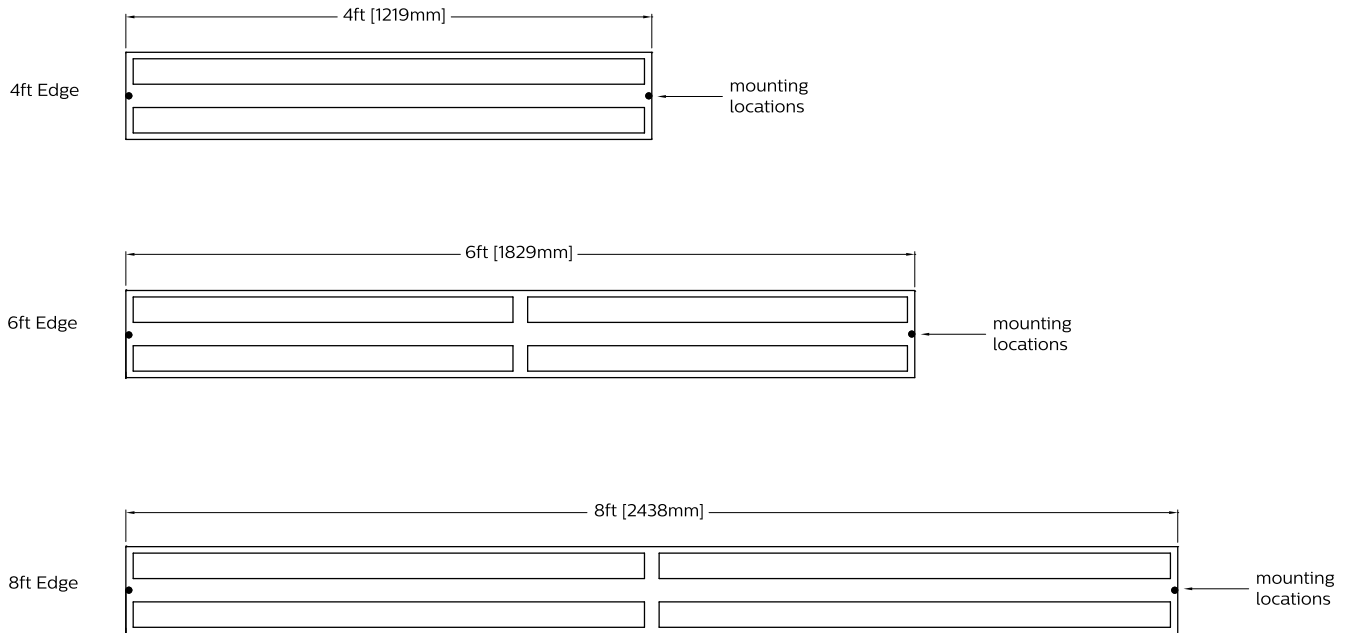
### Cross Section



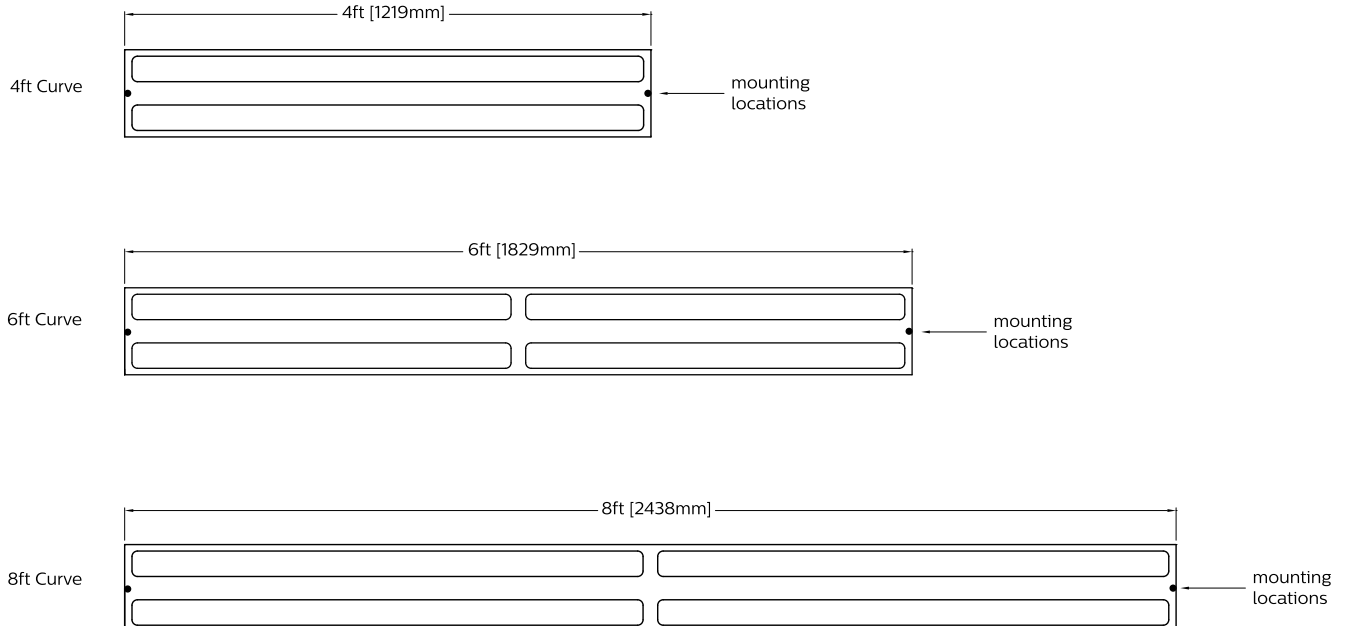
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## Modules - Edge



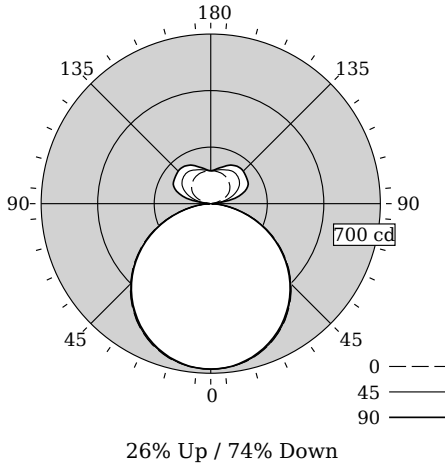
## Modules - Curve



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## Photometry



Total Output	2678 lm
Efficacy	107.6 lm/W
CCT	3344K
CRI	82
R9	5
Distribution	26% Up / 74% Down
Spacing Criteria (0/90/180°)	1.28/1.26/NA
Meets RP-1-12 recommendations for VDT-Normal 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	683	683	683	683	0
5	681	680	680	680	65
15	661	657	660	659	186
25	617	613	616	614	283
35	551	547	550	547	343
45	469	466	467	464	359
55	369	368	366	363	327
65	257	255	254	252	251
75	136	136	135	134	143
85	31	32	34	34	39
90	0	2	3	4	0
95	8	12	19	18	21
105	34	39	72	106	120
115	70	81	116	154	168
125	95	110	145	173	182
135	110	127	158	180	190
145	123	134	161	181	189
155	130	138	153	168	175
165	134	137	145	151	154
175	136	136	137	139	139
180	136	136	136	136	0

## Coefficients of Utilization (%)

RCR	Ceiling: Wall											
	80				70				50			
	70	50	30	10	70	50	30	50	30	10	0	
0	113	113	113	113	107	107	107	97	97	97	74	
1	103	98	94	90	98	94	90	85	82	79	62	
2	94	86	79	73	89	82	76	74	69	65	52	
3	85	75	67	61	81	72	64	65	59	54	43	
4	78	66	58	51	74	63	56	58	51	46	37	
5	71	59	50	44	68	56	49	51	45	40	32	
6	66	53	44	38	62	51	43	46	40	35	28	
7	61	48	39	34	58	46	38	42	35	31	24	
8	57	44	35	30	54	42	34	38	32	27	22	
9	53	40	32	27	50	38	31	35	29	24	20	
10	49	37	29	24	47	35	28	32	26	22	18	

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

Vertical Angle	Horizontal Angle		
	0	45	90
55	3159	3133	3107
65	2993	2958	2922
75	2580	2560	2521
85	1728	1901	1901

Philips Ledalite

## lighting facts®

A Program of the U.S. DOE

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**Light Output (Lumens)** **2678**

**Watts** **24.9**

**Lumens per Watt (Efficacy)** **107.55**

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**Color Accuracy** **82**

Color Rendering Index (CRI)

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**Light Color** **3344 (Bright White)**

Correlated Color Temperature (CCT)

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-DGEUZ1 (7/3/2015)  
Model Number: 24x5LBEAG  
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.		

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