PHILIPS
LEDALITE

Linear

FloatPlane Suspended LED

CRI >80 4000K, 3200 lm/4ft

Project:	
Spec Type:	
Catalog No:	24x5LAEAG
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	A	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

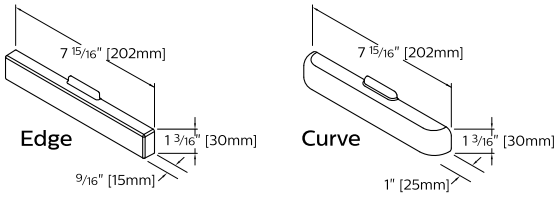
* Nominal values within a range. Consult ies file for exact color temp, lumens and up/down distribution † Consult website for complete list of standard wiring options

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_{80} (12k) 70,000 hrs
Wall mount: L_{80} (12k) 64,000 hrs
according to IES TM-21-11 Addendum A **Reported** methodology

Warranty

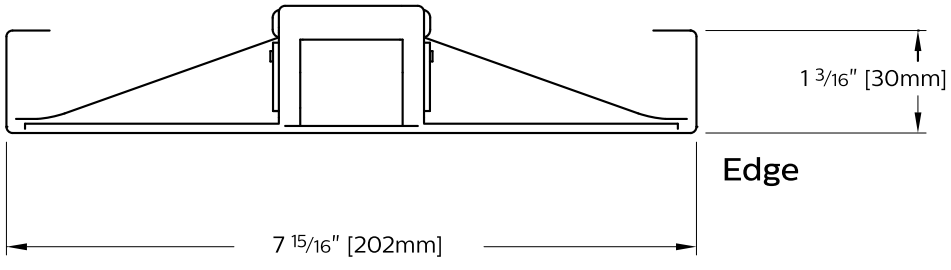
Philips indoor professional luminaires 5 year LED warranty:
http://www.philips.com/warranties

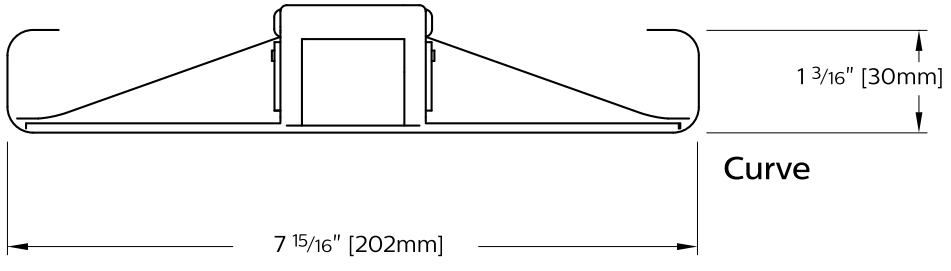
Environment

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.

Options and Details

Cross Section





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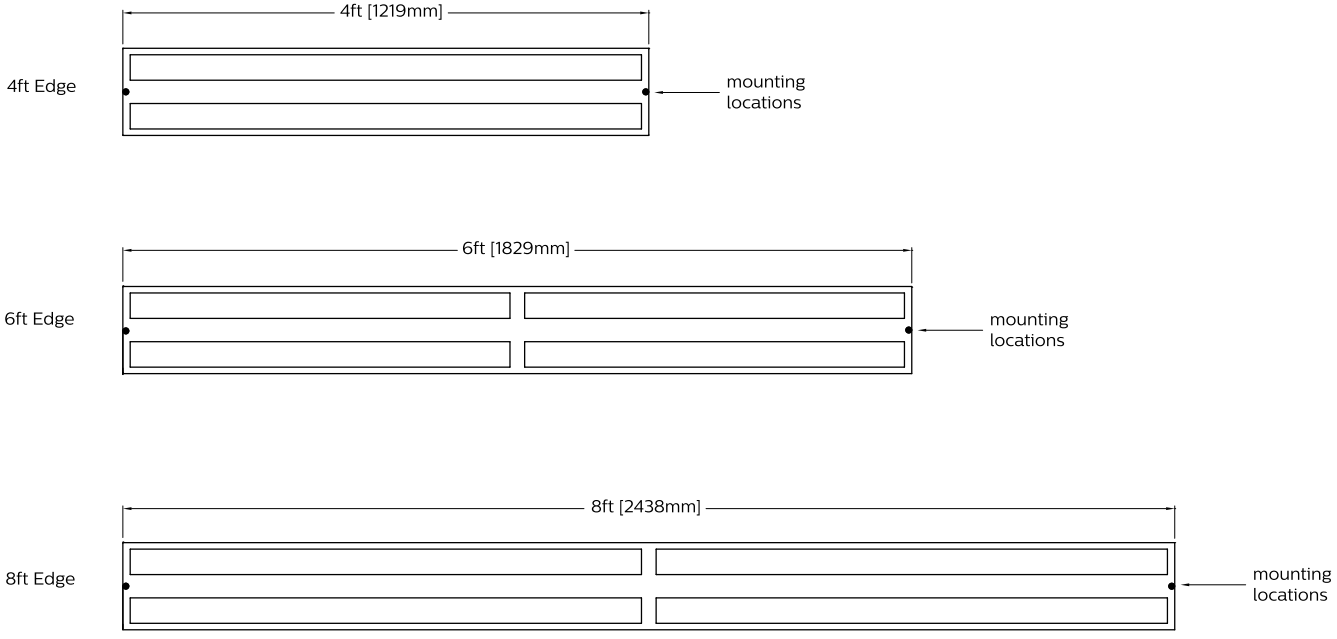
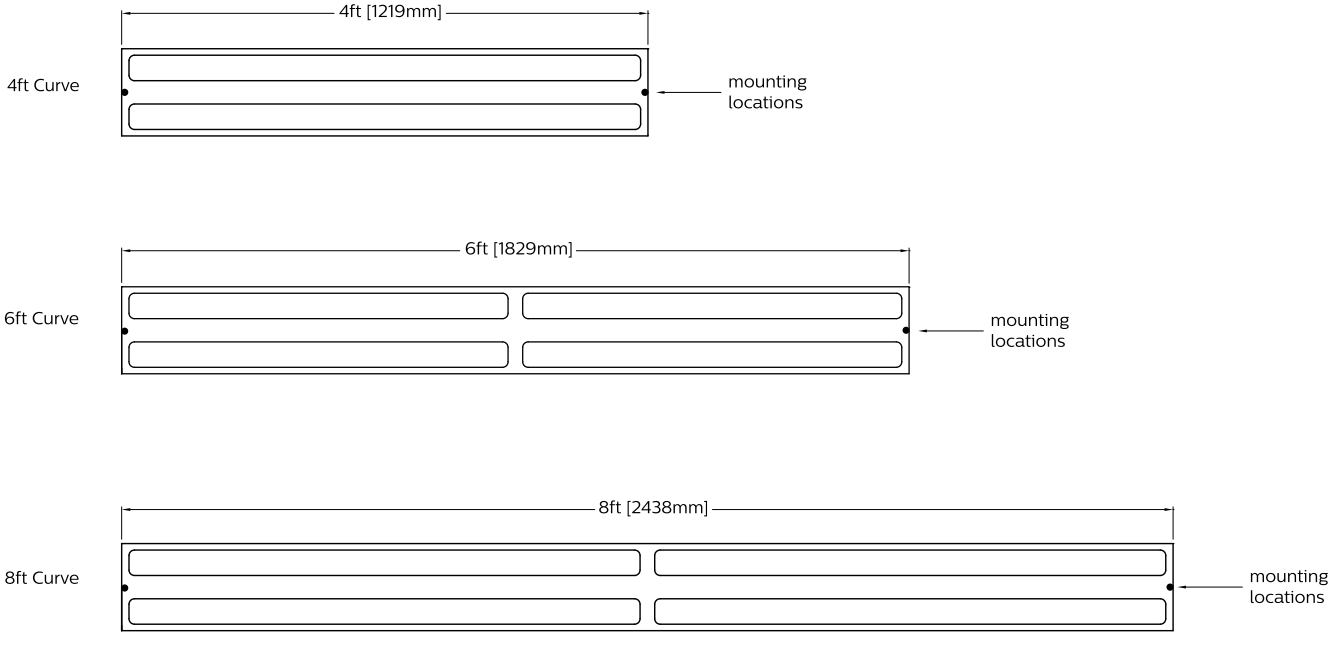
Modules - Edge



Modules - Curve



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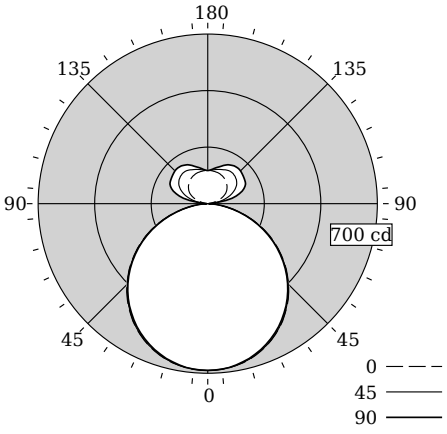
Photometry



Total Output	2699 lm
Efficacy	108.4 lm/W
CCT	3907K
CRI	83
R9	10
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

Candela Distribution

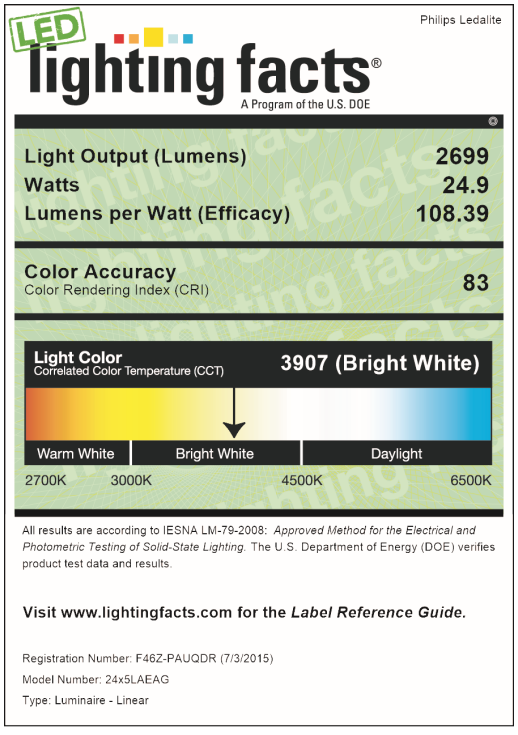
Vertical Angle	Horizontal Angle 0	22.5	45	67.5	90	Zonal Lumens
0	688	688	688	688	688	0
5	686	685	685	685	685	65
15	666	662	665	664	662	187
25	622	617	620	618	615	285
35	556	552	555	552	549	346
45	472	469	470	467	466	362
55	371	370	368	366	365	329
65	259	257	256	254	253	253
75	137	137	136	135	134	144
85	31	32	34	34	34	39
90	0	2	3	4	4	0
95	8	12	20	19	17	22
105	34	39	73	107	121	78
115	71	81	117	155	170	116
125	96	111	146	174	183	127
135	111	128	159	181	191	119
145	123	135	163	182	190	100
155	131	139	154	170	176	71
165	135	138	146	152	155	41
175	137	137	138	140	140	13
180	137	137	137	137	137	0

Coefficients of Utilization (%)

RCR	Ceiling: 80				70			50		0
	Wall: 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/m2)

Vertical Angle	Horizontal Angle 0	45	90
55	3184	3158	3131
65	3017	2981	2945
75	2600	2580	2541
85	1741	1916	1916



Electrical Specifications

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

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