





Project:

Spec Type:

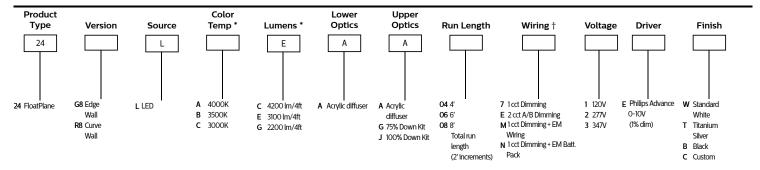
Catalog No: 24x8LxEAA

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. Available tunable white technology gives you the ability to vary color temperature and intensity, harmonizing lighting with your daily life.

### **Ordering guide**



- \* Nominal values within a range. Down kits and dust covers reduce output & efficacy. 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.

#### **Mounting Hardware**

Mount Type
Consult separate mounting spec sheet for mount type options

Endcaps -

Edge 13/16" [30mm]

5 ½/6" [144mm]



## 3100 lm/4ft 3000/3500/4000K

#### **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. Field installable dust covers available on suspended versions.

#### **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. White sensors only.

#### 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**

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

#### Standard Drivers

Philips Advance Xitanium 0-10V, 1-100%. Philips Advance Xitanium SR, 5-100% (for SpaceWise DT).

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 / 64,000 hrs wall. (Reported methodology)
L70 (12k) 108,000 hrs suspended / 98,000 hrs wall. (Projected methodology)

#### **Source Color**

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

#### Controls

Suspended version available with the following integrated controls:
Response daylight sensor (for single zone).
SpaceWise DT occupancy & daylight sensor w/ advanced grouping & dwell time.
SpaceWise DT commissioning via Android phone and Philips Field App. Compatible dimming wireless wall switches are available. For more information, please refer to www.philips.com/spacewise

#### **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. 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, spaced up to 4½' on center and within 12" of an end or joint.

#### loints

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. Certain suspended versions (24x5L) are DesignLights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers (www.designlights.org/QPL).

#### Warranty

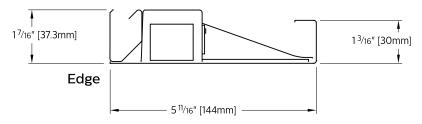
Philips indoor professional luminaires 5 year LED warranty: http://www.philips.com/warranties

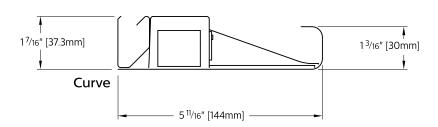
#### **Environment**

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.

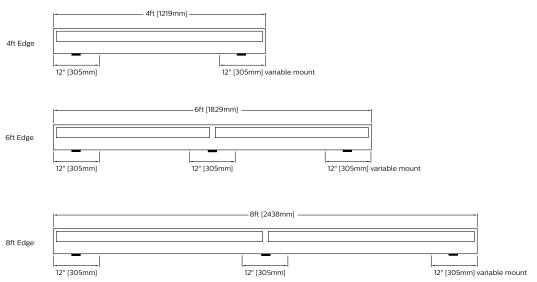
#### **Dimensions - Cross Section**



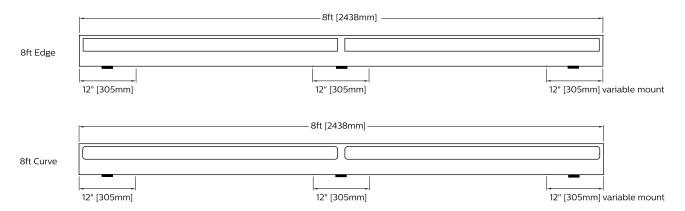


3100 lm/4ft 3000/3500/4000K

## **Dimensions - Modules**

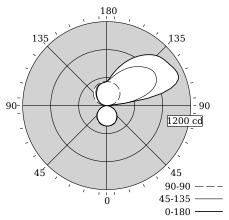


## **Optics and Styles**

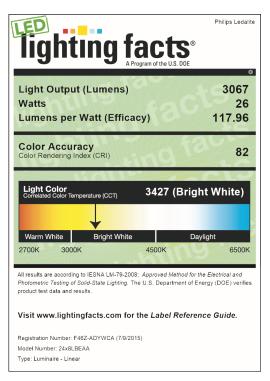


## 3100 lm/4ft 3000/3500/4000K

#### Photometry - 3500K



72% Up / 28% Down



#### Candela Distribution

Vertical		Zonal				
Angle	0	45	90	135	180	Lumens
0	292	292	292	292	292	
5	292	292	291	289	289	28
15	288	287	282	278	275	80
25	273	271	266	259	256	122
35	246	245	238	231	226	148
45	210	210	203	196	192	156
55	166	165	159	154	150	142
65	116	115	110	106	102	109
75	63	63	59	55	52	62
85	17	17	14	13	11	17
90	11	7	0	0	0	0
95	32	113	31	7	0	74
105	946	573	105	69	64	321
115	1113	781	171	115	108	415
125	1067	829	225	164	155	410
135	1009	774	268	214	201	361
145	878	677	302	266	246	284
155	707	563	324	305	294	196
165	527	452	337	324	323	110
175	380	366	344	334	333	34
180	344	344	344	344	344	0

Photometry based on 4ft white luminaire. Dust covers and non-white finishes reduce delivered lumens. Custom color finishes may shift output color temperature.

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 (%)

Ceiling:		8	0			70			50		0
Wall:	70	50	30	10	70	50	30	50	30	10	0
	102	102	102	102	91	91	91	71	71	71	28
	93	89	85	81	83	79	76	62	60	58	23
	84	77	71	66	75	69	64	54	51	48	19
	77	68	60	55	68	61	55	48	43	40	16
	70	60	52	46	62	54	47	42	37	34	14
	64	53	45	39	57	48	41	38	33	29	12
	59	47	39	34	52	43	36	34	29	25	10
	54	42	35	29	48	38	32	30	25	22	9
	50	38	31	26	45	35	28	28	23	19	8
	47	35	28	23	42	32	25	25	20	17	7
	44	32	25	20	39	29	23	23	18	15	7
	Ceiling: Wall:	Wall: 70 102 93 84 77 70 64 59 54 50 47	Wall: 70 50 102 102 93 89 84 77 77 68 70 60 64 53 59 47 54 42 50 38 47 35	Walk 70 50 30 30 102 102 102 102 93 89 85 84 77 71 77 68 60 70 60 52 64 59 47 39 54 42 35 50 38 31 47 35 28	Wall: 70 50 30 10 10 10 10 10 10 10 10 10 10 10 10 10	Walf.         70         50         30         10         70           102         102         102         102         102         102         19         18         83         84         87         87         88         81         83         84         77         71         66         75         77         77         68         60         55         68         62         64         53         45         39         57         59         47         39         34         52         54         45         50         38         31         26         45         50         38         31         26         45         47         35         28         23         42         32         42         35         23         42         32         42         32         42         35         28         23         42         45	Walf   70   50   30   10   70   50   10   10   10   10   10   10   1	Walf: 70 50 30 10 70 50 30 10 70 50 30 10 70 50 30 10 70 50 30 10 70 50 30 10 70 50 30 10 10 10 10 10 10 10 10 10 10 10 10 10	Walf:   70   50   30   10   70   50   30   50   50   30   50   50   30   50   5	Wall:   70   50   30   10   70   50   30   50   30   30   30   30   3	Walk   70   50   30   10   70   50   30   50   30   10   70   50   30   50   30   10   70   50   30   10   70   50   30   10   70   50   30   30   10   30   30   30   30   3

#### Avg. Luminance (cd/m2)

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Angle	0	90	180
55	4278	4098	3847
65	4050	3855	3562
75	3585	3346	2948
85	2839	2366	1893

#### Distribution

Hemisphere	72% Up / 28% Down
Peak/Zenith	3.24
Peak Output	1113 cd
Glare Control	Meets RP-1-12 recommendations for VDT-Critical spaces

3100 lm/4ft 3000/3500/4000K

### **Optical Performance**

Nominal CCT:	3000K	3500K	4000K
Flux (lm)	3004	3067	3096
Efficacy (lm/W)	116.9	118.0	119.1
Power (W)	25.7	26.0	26.0
CCT (K)	3102	3427	4054
CRI	81	82	83
R9	3	6	12
x	0.4324	0.4123	0.3791
у	0.4070	0.4001	0.3791
Duv	0.0020	0.0030	0.0010

#### **Electrical Performance - 3500K**

Input Voltage	120V	277V	347V	
Input Power	26.0VV	25.8W	22.5W	
Input Current	0.22A	0.10A	0.07A	
Power Factor	0.998	0.959	0.932	
Total Harm. Distortion	7.2%	14.0%	14.0%	

Tested values . contact technical support for rated values. Off-state power zero unless certain controls are specified.

