



# Linear

## BoldPlay suspended

6500 lm/4ft 75% Up  
3000/3500/4000K



Project: \_\_\_\_\_  
 Spec Type: \_\_\_\_\_  
 Catalog No: 7806LxAQN \_\_\_\_\_  
 Qty \_\_\_\_\_  
 Line Notes: \_\_\_\_\_

Brilliant design and intuitive engineering fearlessly combine to deliver unprecedented performance. BoldPlay's striking contrast of effortless style and urban edginess makes a distinctive statement in any space. Available tunable white technology gives you the ability to vary color temperature and intensity, harmonizing lighting with your daily life.

### Ordering guide

Product Type	Source	Color Temp *	Lumens *	Lower Optics	Upper Optics	Run Length	Wiring †	Voltage	Driver	Finish
<input type="text" value="7806"/>	<input type="text" value="L"/>	<input type="text"/>	<input type="text" value="A"/>	<input type="text" value="Q"/>	<input type="text" value="N"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
BoldPlay Direct/Indirect	L LED	A 4000K B 3500K C 3000K	A 6500 lm/4ft C 4600 lm/4ft E 3400 lm/4ft	Q MesoOptics Lens	N Lightguide D 55% Down Kit G 80% Down Kit J 100% Down Kit	04 4' 08 8' XX Total run length (4' increments)	7 1 cct Dimming E 2 cct A/B Dimming (Alt. 4ft) M 1 cct Dimming + EM Wiring N 1 cct Dimming + EM Batt. Pack	1 120V 2 277V 3 347V	E Philips Advance 0-10V (1% dim) S Philips Advance Sensor Ready (5% dim)	W Standard White T Titanium Silver B Black C Custom


\* Nominal values within a range. Down kits reduce output & efficacy. Consult photometry data for CRI, 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:  
**Ledalite Suspended Mounting Options**

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

Endcaps -

**Sculpted** 

**Solid flat** 

### Integrated Controls

Please indicate with check mark.

Response Daylight Single Zone (DS)

SpaceWise DT Occupancy & Daylight Sensor (SZ)



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## Optical System

The optical system contains arrays of LEDs edge-lighting a low profile light-guide panel, using total internal reflection to homogenize the sources. The microstructured surface of the panel optimizes light extraction to create an efficacious direct/indirect distribution. Light is purified and controlled by MesoOptics film as it passes through a non-glare acrylic lens. Standard distribution is 75% up / 25% down for suspended and 65% up / 35% down for wall mount version.

## Endcaps

Diecast aluminum endcaps finished with a textured matte powder coat to match the luminaire.

**Suspended:** Available in sculpted (standard) & solid flat.

**Wall:** Available with solid flat only.

## Finish

Standard finish is a textured matte powder coat in white, black or titanium silver. Custom colors available upon request. White sensors only.

## Housing

Precision formed 18 gauge cold-rolled steel.

## Weight

Maximum: Suspended 3.75lb/ft & Wall 3.0lb/ft.

## Electrical

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

## Standard Drivers

Philips Advance Xitanium 0-10V, 1-100%.

Philips Advance Xitanium Sensor Ready, 5-100%.

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: 1100lm.

## 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) >72,000 hrs (**Reported** methodology).

## Source Color

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

## Controls

Certain configurations available with:  
Response Daylight Sensors  
SpaceWise DT Occupancy & Daylight Sensors w/ advanced grouping & Dwell Time.

\*SpaceWise DT commissioning is via a compatible Android phone and Philips Field App. Compatible wireless dimming wall switches are available for dimming. 347V is not available as a standard option. For more information, please refer to [www.philips.com/spacewise](http://www.philips.com/spacewise)

## Mounting

**Suspended:** Tamper-resistant aircraft cable gripper provides unlimited vertical adjustment. Aircraft cable, crimp and cable gripper are independently tested to meet stringent safety requirements.

**Wall:** Fixture is mounted flush to wall using hidden wall brackets which attach to existing structure, variable within 2"-5" of end or joint.

## Joints

Self-aligning joining system with hands-free pre-joining wire access.

## Approvals

Certified to UL, CSA and IES standards.

Certain suspended versions without down kits are DesignLights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers ([www.designlights.org/QPL](http://www.designlights.org/QPL)).

## Warranty

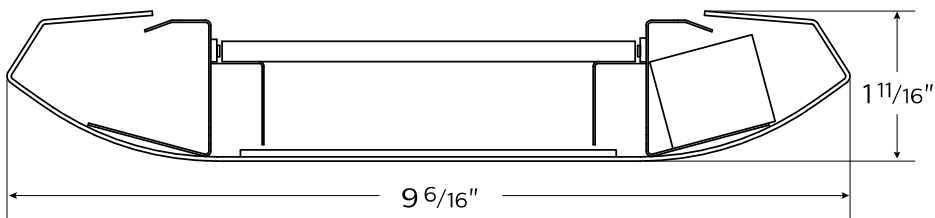
Philips indoor professional luminaires 5 year LED warranty: [www.philips.com/warranties](http://www.philips.com/warranties).

## 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 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



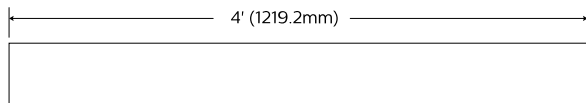
# BoldPlay suspended

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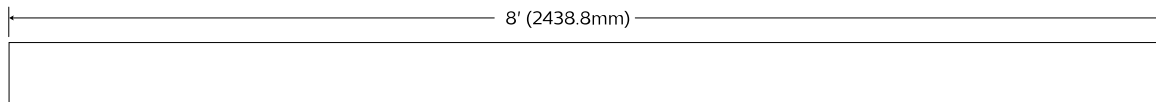
3000/3500/4000K

## Dimensions - Modules

Module length excludes end caps. Nominal mounting spacing for individually mounted modules.



4 ft.

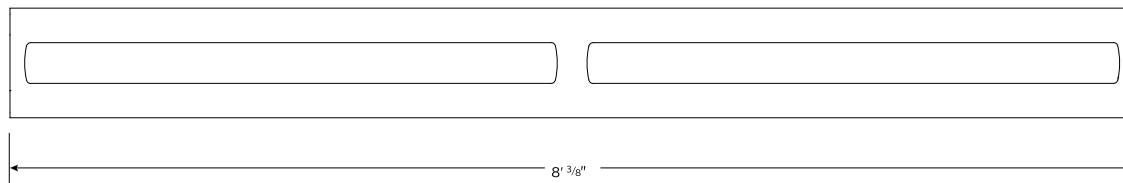


8 ft.

Note: Refer to installation instructions for exact mount.

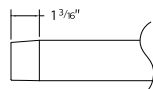
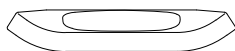
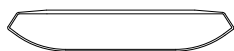
## Optics and Styles

### Lens view

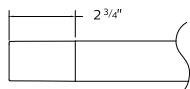


Suspended  
(without endcaps)

### End caps

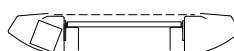


Flat

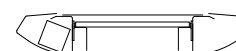


Sculpted

### Upper optics



G 80% Down Kit

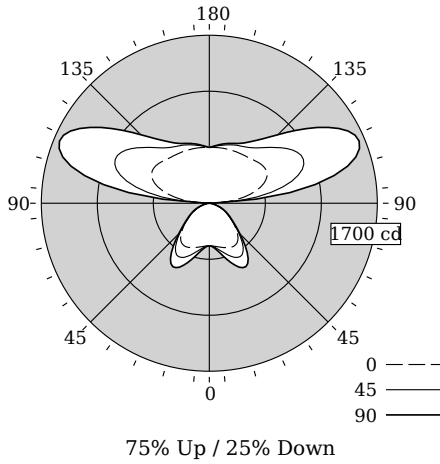


J 100% Down Kit

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Photometry @ CRI>80, 3500K



## Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	433	433	433	433	433	0
5	434	436	440	446	446	43
15	461	472	508	544	557	146
25	493	521	604	682	714	277
35	489	518	595	661	686	364
45	389	397	417	433	438	321
55	259	255	257	264	268	235
65	153	151	155	161	166	155
75	62	64	66	68	68	72
85	11	13	13	13	15	16
90	0	0	0	0	0	0
95	187	217	306	427	476	341
105	489	582	865	1256	1449	949
115	644	750	1050	1438	1628	1071
125	661	744	963	1218	1337	879
135	623	686	797	926	980	626
145	597	638	689	744	767	435
155	584	612	648	665	667	296
165	574	591	610	621	623	172
175	567	572	576	580	582	55
180	565	565	565	565	565	0

Values per 4ft unit

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](http://www.lightingproducts.philips.com)

## Coefficients of Utilization (%)

RCR	Ceiling										0
	70	50	30	10	70	50	30	50	30	10	
0	101	101	101	101	90	90	90	70	70	70	25
1	92	88	85	81	82	79	76	61	59	57	22
2	84	77	71	67	75	69	64	54	50	48	18
3	77	68	61	56	68	61	55	47	43	40	16
4	70	60	53	47	62	54	47	42	38	34	13
5	64	53	46	40	57	48	41	37	33	29	12
6	59	48	40	34	52	43	36	34	29	25	10
7	54	43	35	30	48	38	32	30	26	22	9
8	50	39	31	26	45	35	28	27	23	19	8
9	47	35	28	23	42	32	25	25	20	17	7
10	44	32	25	20	39	29	23	23	18	15	6

## Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle		
	0	45	90
55	4378	4346	4538
65	3513	3556	3817
75	2337	2479	2549
85	1262	1472	1682

## Distribution

Hemisphere	75% Up / 25% Down
Peak/Zenith	2.91
Peak Output	1642 cd
Glare Control	Meets RP-1-12 recommendations for VDT-Critical spaces

Philips Ledalite

**LED lighting facts**  
A Program of the U.S. DOE

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**Light Output (Lumens)** **6453**  
**Watts** **56.7**  
**Lumens per Watt (Efficacy)** **113.81**

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**Color Accuracy** **82**  
Color Rendering Index (CRI)

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**Light Color** **3312 (Bright White)**  
Correlated Color Temperature (CCT)

2700K   3000K   **3312K**   4500K   6500K

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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-5XXIHC (10/27/2016)  
Model Number: 7806LBAQN  
Type: Luminaire - Linear

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## Optical Performance @ 120V

Nominal Spec:	3000K	3500K	4000K
Flux (lm)	6180	6453	6636
Efficacy (lm/W)	108.6	113.8	117.5
Power (W)	56.9	56.7	56.5
CCT (K)	3045	3312	3931
CRI	84	82	83
R9	10	-1	5
x	0.4338	0.4167	0.3849
y	0.4031	0.3968	0.3837
Duv	0.0000	0.0000	0.0020

## Electrical Performance @ CRI>80, 3500K

Input Voltage	120V	277V	347V
Input Power	56.7W	56.2W	56.9W
Input Current	0.47A	0.21A	0.17A
Power Factor	0.995	0.987	0.970
Total Harm. Distortion	9.4%	10.2%	11.0%

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

With SpaceWise DT, standby power <0.5W (120V) or <0.8W (277V).

