PHILIPS
LEDALITE

Linear

BoldPlay Suspended

4600 lm/4ft w/ 80% Down Kit*
3000/3500/4000K



Project:

Spec Type:

Catalog No: 7806LxCQG

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
7806	L		C	Q	G					
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 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 SR (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 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

Suspension Length
Distance from ceiling to top of luminaire in inches

Endcaps -

Sculpted



Gloss white flat



Gloss black flat



Solid flat



Integrated Controls Please indicate with check mark.

- Response Daylight Single Zone (DS)
- SpaceWise DT Occupancy & Daylight Sensor (SZ)

mesoOptics RESPONSE

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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.
Suspended: Available in sculpted (standard) or three flat (optional) versions: gloss black, gloss white & solid flat.
Wall: Three flat versions available: gloss black, gloss white & solid flat.

Finish

Standard finish is a textured matte powder coat in white, black or titanium silver. 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 Driver

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, 1000lm nominal (@ 100lm/W; Flux = W x lm/W).

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:
L_{80} (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

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: 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).

Warranty

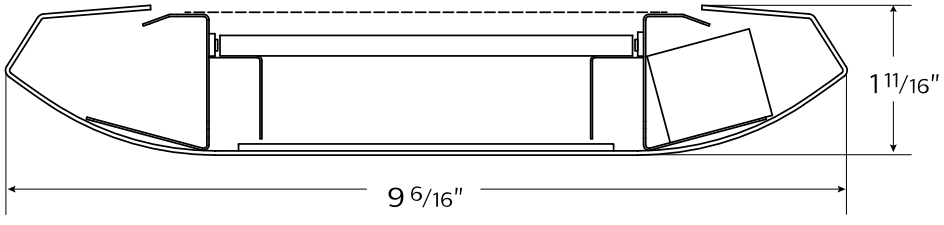
Philips indoor professional luminaires 5 year LED warranty: www.philips.com/warranties.

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

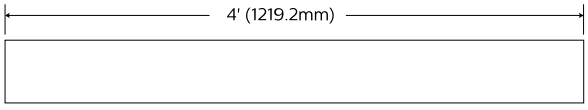


BoldPlay Suspended

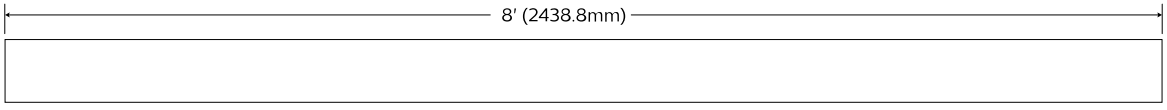
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Dimensions - Modules

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



4 ft.

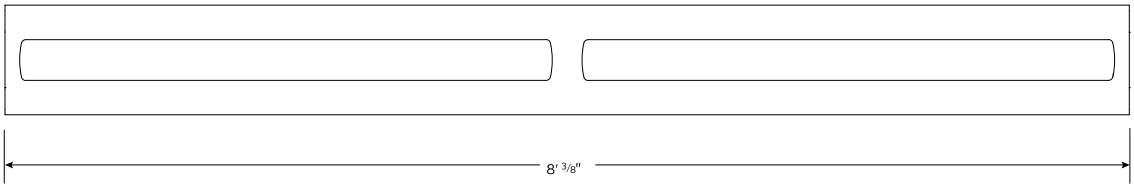


8 ft.

Note: Refer to installation instructions for exact mount.

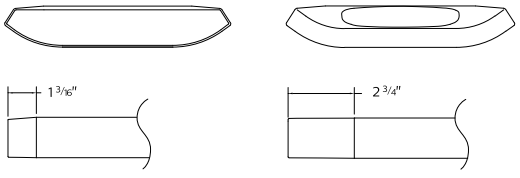
Optics and Styles

Lens view



Suspended
(without endcaps)

End caps



Flat

Sculpted

Upper optics



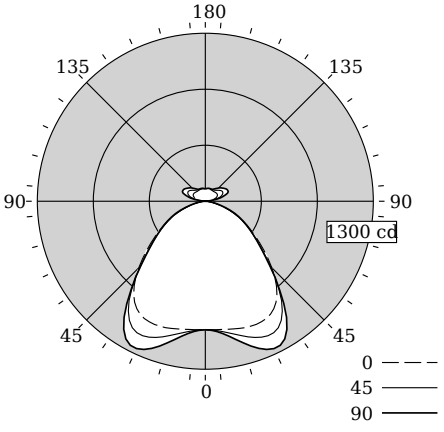
G 80% Down Kit

J 100% Down Kit

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Photometry - 3500K



18% Up / 82% Down

Candela Distribution

Vertical Angle	Horizontal Angle 0	22.5	45	67.5	90	Zonal Lumens
0	995	995	995	995	995	0
5	998	999	1005	1010	1012	97
15	1019	1030	1076	1120	1134	306
25	1029	1054	1148	1229	1258	526
35	954	972	1038	1082	1096	637
45	728	719	712	707	706	553
55	473	462	452	452	455	412
65	280	276	278	285	289	277
75	114	116	117	120	123	128
85	20	23	24	25	25	29
90	0	0	0	0	0	0
95	14	15	18	20	20	27
105	76	87	114	132	141	115
115	103	117	149	186	193	147
125	107	117	145	173	175	129
135	101	107	120	142	145	96
145	99	101	107	114	116	68
155	99	101	104	104	104	48
165	99	100	101	103	103	29
175	97	97	97	99	99	9
180	97	97	97	97	97	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

Coefficients of Utilization (%)

RCR	Ceiling:	80				70			50			0
	Wall:	70	50	30	10	70	50	30	50	30	10	0
0		115	115	115	115	110	110	110	101	101	101	82
1		106	101	98	94	101	97	94	90	87	85	70
2		97	89	83	78	93	86	80	80	75	71	60
3		89	79	72	66	85	76	69	71	65	61	51
4		81	70	62	56	78	68	61	63	57	52	44
5		75	63	55	49	72	61	53	57	50	45	39
6		69	57	49	43	66	55	47	51	45	40	34
7		64	52	43	38	62	50	42	47	40	35	30
8		60	47	39	34	57	46	38	43	36	32	27
9		56	43	35	30	54	42	35	39	33	29	24
10		52	40	32	27	50	39	32	36	30	26	22

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle 0	45	90
55	8009	7651	7699
65	6438	6373	6632
75	4279	4384	4596
85	2196	2667	2824

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

Philips Ledalite

Light Output (Lumens)	3633
Watts	39.4
Lumens per Watt (Efficacy)	92.21
Color Accuracy Color Rendering Index (CRI)	82
Light Color Correlated Color Temperature (CCT)	3312 (Bright White)

Warm White | Bright White | Daylight

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 for the *Label Reference Guide.*

Registration Number: F46Z-1CBLRU (10/28/2016)
Model Number: 7806LBCQG
Type: Luminaire - Linear

Distribution

Hemisphere	18% Up / 82% Down
Glare Control	Meets RP-1-12 recommendations for VDT-Normal spaces
Spacing Along (0 °)	1.45
Spacing Across (90 °)	1.54

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Optical Performance

Nominal CCT:	3000K	3500K	4000K
Flux (lm)	3478	3633	3736
Efficacy (lm/W)	88.1	92.2	95.3
Power (W)	39.5	39.4	39.2
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 - 3500K

Input Voltage	120V	277V	347V
Input Power	39.4W	38.8W	38.9W
Input Current	0.33A	0.14A	0.12A
Power Factor	0.998	0.980	0.972
Total Harm. Distortion	5.4%	8.8%	9.0%

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).

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www.philips.com/luminaires

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