

PHILIPS

 LEDALITE

Linear

BoldPlay Suspended LED

3400 lm/4ft 75% Up
Tunable White, 2700-6500K



Project:

Spec Type:

Catalog No: 7806L2EQN

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	2	E	Q	N					
BoldPlay Direct/Indirect	L LED	2 2channel 2700-6500K	C 4800 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 1cct Dimming M 1cct Dimming + EM Wiring N 1cct Dimming + EM Batt. Pack	1 120V 2 277V	E Philips Advance	W Standard White T Titanium Silver B Black C Custom

* Nominal values within a range. Down kits reduce output & efficacy. Consult photometry data for exact color temp, lumens & distribution.
† Not all wiring types are available with all configurations. Consult Philips Ledalite for a complete list of available options.

Mounting Hardware

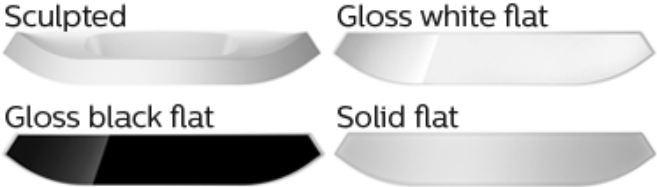
Mount Type
Consult separate mounting spec sheet for mount type options

Suspension Length
Distance from ceiling to top of luminaire in inches

Endcaps -

Integrated Controls Please indicate with check mark.

No Options Available



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Housing

Precision formed 18 gauge cold-rolled steel.

Weight

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

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 70% up / 30% down.

Endcaps

Diecast aluminum endcaps; available in sculpted (standard) or flat (optional). Three flat versions: gloss black, gloss white & solid flat are available.

Finish

High quality powder coated, available in matte white, black or titanium silver. Other custom colors available on request.

Electrical

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

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 L80(12K)>72,000h according to IES TM-21-11 Addendum A Reported methodology.

Housing

Precision formed 18 gauge cold-rolled steel.

Weight

Maximum: Suspended 3.75lb/ft

Mounting

Tamper-resistant aircraft cable gripper provides infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper are independently tested to meet stringent safety requirements.

Joints

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

Approvals

Certified to UL, CSA and IES standards.

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 are not covered under warranty.

Dimming

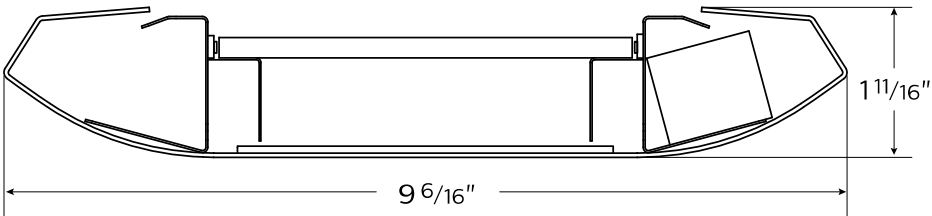
Color accuracy held to 5% at 2700K and 6500K and 10% at 4000K.

Controls

Luminaires are not sold individually and are only compatible with load controllers, sensors, user interfaces and front end software from Philips. Philips controls platform allows for more flexibility with customized lighting scenes and behaviors as well as scalability of the tunable white solution into a more extensive lighting network management system. To learn more about the Philips controls solution please visit our tunable white page or <http://www.lightingproducts.philips.com/our-brands/philips-controls/dynalite.html>

Due to continuing product improvements, Philips Ledalite reserves the right to change the specifications without notice.

Dimensions - Cross Section



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Dimensions - Modules

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



4 ft.

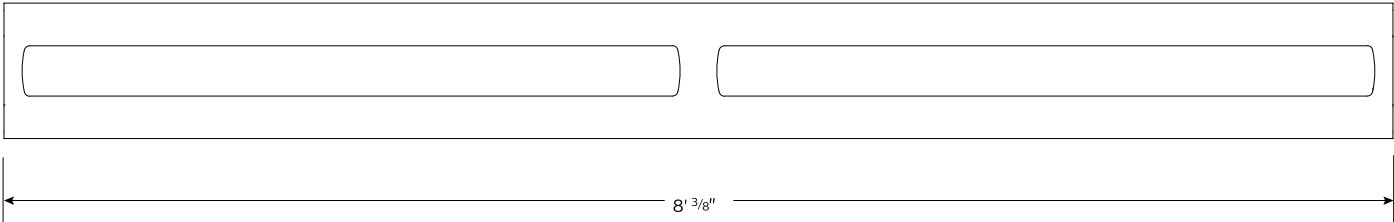


8 ft.

Note: Refer to installation instructions for exact mount.

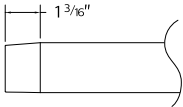
Optics and Styles

Lens view

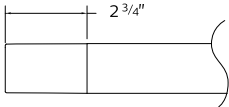


Suspended
(without endcaps)

End caps



Flat

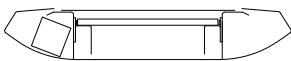


Sculpted

Upper optics



G 80% Down Kit

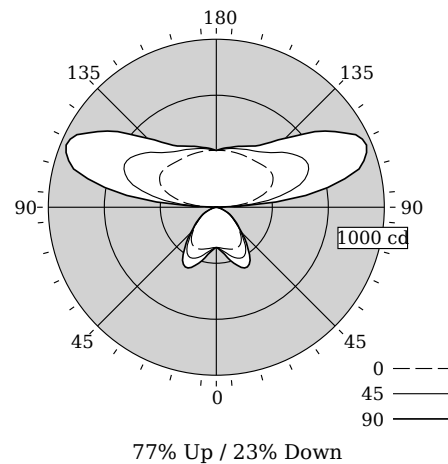


J 100% Down Kit

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Photometry - 2700K



Candela Distribution

Vertical Angle	0	Horizontal Angle	22.5	45	67.5	90	Zonal Lumens
0	239	239	239	239	239	239	0
5	242	243	250	252	256	258	24
15	257	266	294	311	329	349	83
25	271	291	335	383	399	415	154
35	256	278	306	356	345	315	191
45	193	210	204	230	215	164	164
55	127	133	125	137	131	118	118
65	73	75	72	76	74	73	73
75	28	25	23	23	23	26	26
85	4	0	0	0	0	2	2
90	0	1	0	2	0	0	0
95	124	129	214	258	357	221	221
105	289	322	514	728	880	554	554
115	372	427	603	839	959	621	621
125	385	435	552	723	791	514	514
135	367	406	460	553	581	369	369
145	353	380	407	444	450	258	258
155	347	366	381	397	401	176	176
165	343	354	362	370	371	103	103
175	339	343	345	348	349	33	33
180	338	338	338	338	338	0	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 Wall	70	50	80	30	10	70	50	30	50	30	10	0
0		101	101	101	101	89	89	89	68	68	68	23	0
1		92	88	84	81	82	78	75	60	58	56	20	0
2		84	77	71	67	74	69	64	53	50	47	17	0
3		77	68	61	56	68	60	55	47	43	40	15	0
4		70	60	53	47	62	54	47	41	37	34	13	0
5		64	53	46	40	57	48	41	37	32	29	11	0
6		59	48	40	34	52	43	36	33	29	25	10	0
7		54	43	35	30	48	38	32	30	25	22	9	0
8		50	39	31	26	45	35	28	27	23	19	8	0
9		47	35	28	23	41	32	25	25	20	17	7	0
10		43	32	25	21	39	29	23	23	18	15	6	0

Avg. Luminance (cd/m2)

Vertical Angle	0	Horizontal Angle	45	90
55	2165	2119	2227	
65	1684	1657	1698	
75	1064	853	875	
85	392	0	0	

Distribution

Hemisphere	77% Up / 23% Down
Peak/Zenith	2.86
Peak Output	968 cd
Glare Control	Meets RP-1-12 recommendations for VDT-Critical spaces

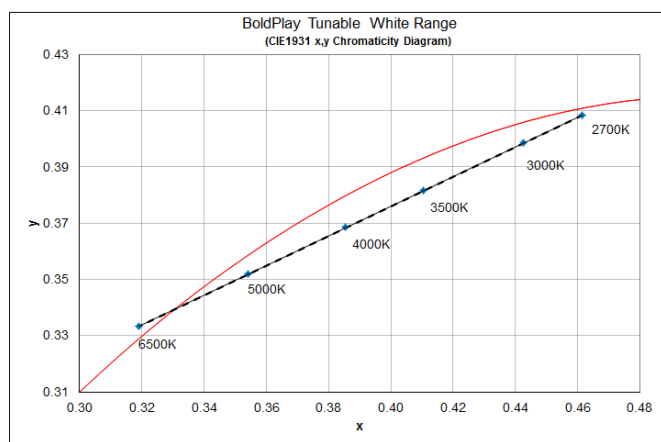
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Optical Performance

Nominal CCT:	3500K	4000K	5000K	6500K	2700K	3000K
Flux (lm)	3756	3843	3748	3738	3686	3750
Efficacy (lm/W)	97.6	99.3	98.6	103.5	99.1	93.8
Power (W)	38.5	38.7	38.0	36.1	37.2	40.0
CCT (K)	3313	3798	4665	6148	2660	2863
CRI	86	87	87	84	82	84
R9	22	27	27	12	7	13
x	0.4104	0.3855	0.3541	0.3190	0.4615	0.4425
y	0.3817	0.3686	0.3520	0.3333	0.4084	0.3985
Duv	-0.0050	-0.0053	-0.0033	0.0023	-0.0009	-0.0029



Electrical Performance - 2700K

Input Voltage	120V	277V
Input Power	37.2W	36.8W
Input Current	0.31A	0.14A
Power Factor	0.994	0.947
Total Harm. Distortion	9.4%	15.4%
Tested values – contact technical support for rated values.		

Non Commissioned State

Input Voltage	120V	277V
Input Power	72.7	72.8
Input Current	0.61	0.26

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www.philips.com/luminaires



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