

PHILIPS

 LEDALITE

Linear

BoldPlay Suspended LED

Tunable White
2700-6500K, 4800 lm/4ft



Project: _____

Spec Type: _____

Catalog No: 7806L2CQN

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 distinct 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	C	Q	N					
BoldPlay Direct/ Indirect	L LED	2 2channel 2700-6500K	C 4800 lm/4ft E 3400 lm/4ft	Q MesoOptics Lens	N None G 80% Down Kit J 100% Down Kit	04 4' 08 8' XX Total run length (4' increments)	7 1 cct w/ Dimming N 1 cct w/ Dim & BP	1 120V 2 277V	E Philips Advance	W Standard White T Titanium Silver B Black C Custom

* Nominal values within a range. Consult ies file for exact color temp, lumens and distribution † Not all wiring types are available with all configurations. Consult factory for complete list of available options

Mounting Hardware

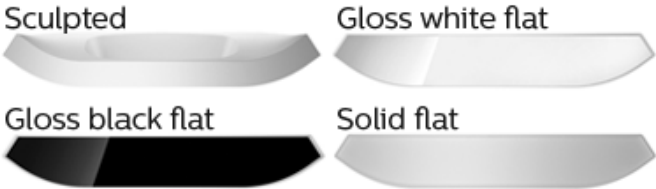
Mount Type
Consult separate mounting spec sheet for mount type options

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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Optical System

The optical system is comprised of arrays of LEDs, edge-lighting a low profile Light Guide panel. The Light Guide panel allows light to be coupled and transmitted through total internal reflection. The microstructured surface of the panel optimizes the light extraction to create a direct/indirect distribution. Light is purified and controlled by MesoOptics film as it passes through the nonglare 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.

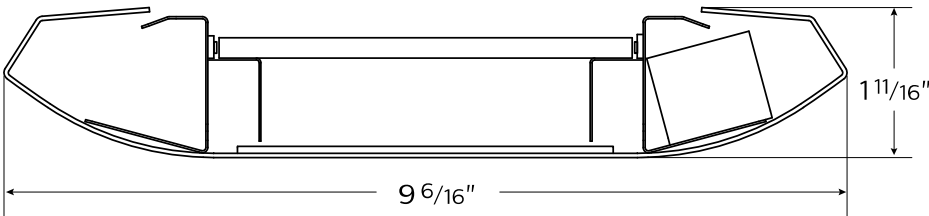
Controls

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.

Options and Details

Cross Section

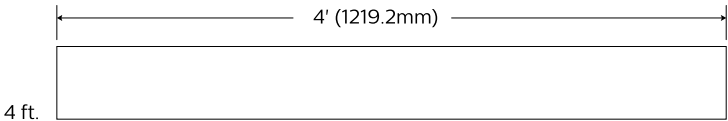


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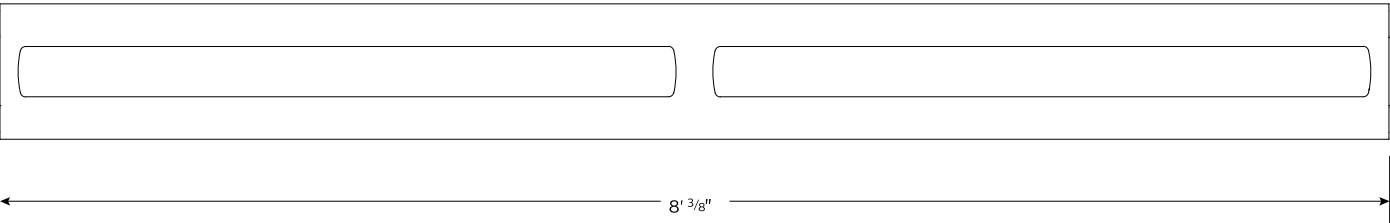
Modules

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



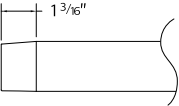
Note: Refer to installation instructions for exact mount.

Lens view

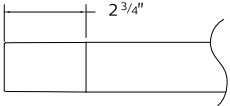


Suspended
(without endcaps)

End caps

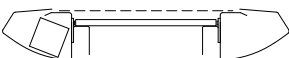


Flat



Sculpted

Upper optics



G 80% Down Kit

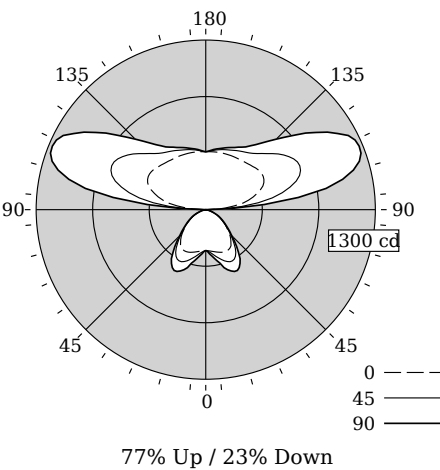


J 100% Down Kit

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Photometry - 2700K



Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	313	313	313	313	313	0
5	317	319	326	329	341	32
15	337	348	384	410	425	109
25	355	382	440	504	523	202
35	338	368	402	471	460	252
45	254	274	269	299	281	215
55	170	172	163	175	173	154
65	96	95	91	94	97	94
75	38	32	29	23	30	33
85	5	0	0	0	0	3
90	0	1	0	2	0	0
95	154	164	275	373	449	292
105	377	425	669	949	1172	732
115	492	562	796	1106	1263	818
125	509	573	730	951	1032	677
135	484	534	609	731	764	486
145	465	499	537	583	598	340
155	457	481	502	522	526	232
165	451	465	477	485	488	135
175	446	450	452	458	456	44
180	444	444	444	444	444	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					0				
	70	50	30	10	70	50	30	50	30	10	0	0	0	0	0
0	101	101	101	101	89	89	89	68	68	68	23	23	23	23	23
1	92	88	84	81	82	78	75	60	58	56	20	20	20	20	20
2	84	77	71	67	74	69	64	53	50	47	17	17	17	17	17
3	77	68	61	56	68	60	55	47	43	40	15	15	15	15	15
4	70	60	53	47	62	54	47	41	37	34	13	13	13	13	13
5	64	53	46	40	57	48	41	37	32	29	11	11	11	11	11
6	59	48	40	35	52	43	36	33	29	25	10	10	10	10	10
7	54	43	35	30	48	38	32	30	25	22	9	9	9	9	9
8	50	39	31	26	45	35	28	27	23	19	8	8	8	8	8
9	47	35	28	23	41	32	25	25	20	17	7	7	7	7	7
10	43	32	25	21	39	29	23	23	18	15	6	6	6	6	6

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle		
	0	45	90
55	2887	2776	2952
65	2206	2100	2243
75	1418	1094	1128
85	527	0	0

Distribution Specifications

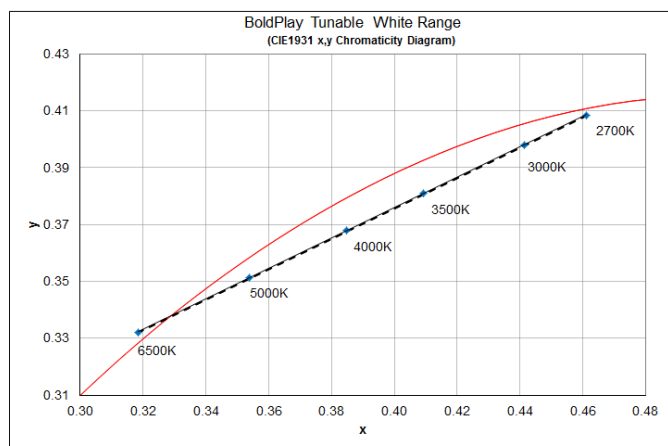
Hemisphere	77° Up / 23° Down
Peak/Zenith	2.87
Peak Output	1273 cd
Glare Control	Meets RP-1-12 recommendations for VDT-Critical spaces

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Nominal CCT:	2700K	3000K	3500K	4000K	5000K	6500K
Flux (lm)	4850	4972	5007	5123	4993	4916
Efficacy (lm/W)	97.4	94.9	99.5	101.2	100.1	100.1
Power (W)	49.8	52.4	50.3	50.6	49.9	49.1
CCT (K)	2664	2877	3329	3809	4670	6188
CRI	82	84	86	87	87	84
R9	7	13	22	27	27	12
x	0.4612	0.4414	0.4094	0.3849	0.3539	0.3184
y	0.4084	0.3980	0.3812	0.3681	0.3514	0.3321
Duv	-0.0009	-0.0030	-0.0051	-0.0054	-0.0036	0.0020



Commissioned State - 2700K

Input Voltage	120V	277V
Input Power	49.8W	49.2W
Input Current	0.42A	0.19A
Power Factor	0.994	0.919
Total Harm. Distortion	7.4%	12.1%
Tested values – contact technical support for rated values.		

Non Commissioned State

Input Voltage	120V	277V
Input Power	97.8	96.4
Input Current	0.82	0.36

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