

Fearless

# innovation in architectural LED lighting

**BOLDPLAY**  
SUSPENDED LED PoE



DIRECT/INDIRECT, MESOOPTICS LENS  
CRI >80 3500K, 2600 lm/4ft

**Project:** \_\_\_\_\_

**Spec Type:** \_\_\_\_\_

**Catalog No:** 7806PBGQN

**Qty** \_\_\_\_\_

**Line Notes:** \_\_\_\_\_



**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="P"/>	<input type="text" value="B"/>	<input type="text" value="G"/>	<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	P LED PoE	A 4000K B 3500K C 3000K	G 2600 lm/4ft	Q MesoOptics Lens	N None	04 4' 08 8' XX Total run length (4' increments)	7 1 cct w/ Dimming	N Not applicable (Class 2)	E Standard	W Standard White

\* Nominal values within a range. Consult ies file for exact color temp, lumens and up/down distribution

**Mounting Hardware**

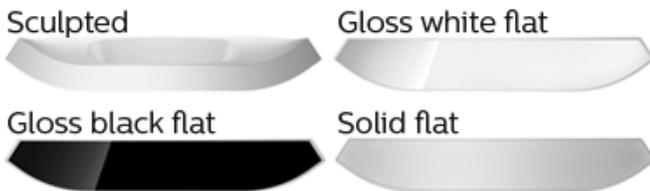
Mount Type  
Consult separate mounting spec sheet for mount type options

Suspension Length  
Distance from ceiling to top of luminaire in inches

Endcaps -

**Integrated Controls** Please indicate with check mark.

Philips Actilume Daylight and Occupancy Sensor (DO)



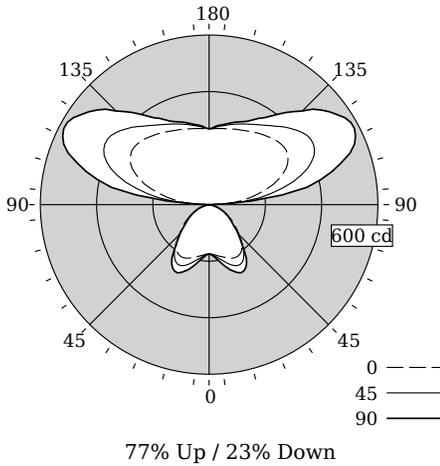
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Specifications are subject to change without notice.  
www.philips.com/luminaires

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### DIRECT/INDIRECT, MESOOPTICS LENS

#### Photometry



Total Output	2638 lm
Efficacy	118.3 lm/W
CCT	3376K
CRI	83
R9	23
Distribution	77% Up / 23% Down
Peak/Zenith Ratio	2.17
Peak Output	583 cd @ 118°
Meets RP-1-04 recommendations for VDT-Intensive spaces	

Values per 4ft unit

Fixture photometry has been conducted in accordance with IESNA LM-79-08

Lumen maintenance of the LEDs has been tested by the manufacturer in accordance with IESNA LM-80-08

#### Candela Distribution

Vertical Angle	Horizontal Angle				Zonal Lumens	
	0	22.5	45	67.5		90
0	174	174	174	174	174	0
5	177	177	180	180	184	18
15	192	195	208	219	227	59
25	208	216	238	257	266	109
35	200	208	216	232	231	134
45	151	155	147	150	146	116
55	101	101	93	95	93	86
65	57	58	55	57	55	56
75	23	23	21	23	20	24
85	4	4	3	4	2	4
90	0	0	0	0	0	0
95	91	74	120	120	152	120
105	211	221	307	396	452	327
115	302	318	412	516	574	413
125	335	355	426	520	555	389
135	327	348	387	450	469	307
145	308	326	343	373	383	219
155	289	305	315	323	326	145
165	277	287	294	299	299	83
175	270	273	275	278	279	26
180	268	268	268	268	268	0

#### Coefficients of Utilization (%)

RCR	Ceiling:		80				70				50				0			
	Wall:	70	50	30	10	70	50	30	10	70	50	30	10	70	50	30	10	0
0	101	101	101	101	89	89	89	68	68	68	23							
1	92	88	84	81	82	78	75	60	58	56	20							
2	84	77	71	66	74	69	64	53	50	47	17							
3	77	68	61	55	68	60	55	47	43	39	15							
4	70	60	52	47	62	53	47	41	37	34	13							
5	64	53	45	40	57	48	41	37	32	29	11							
6	59	47	40	34	52	43	36	33	28	25	10							
7	54	43	35	30	48	38	32	30	25	22	9							
8	50	39	31	26	45	35	28	27	23	19	8							
9	47	35	28	23	41	31	25	25	20	17	7							
10	43	32	25	20	39	29	23	23	18	15	6							

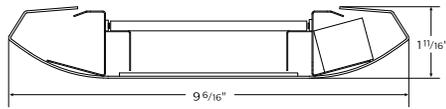
#### Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle		
	0	45	90
55	2328	2137	2140
65	1780	1720	1709
75	1193	1060	1019
85	619	447	378

#### Electrical Specifications

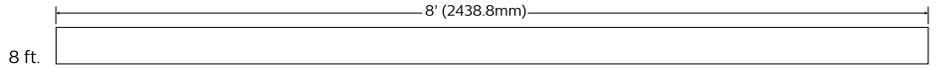
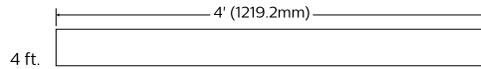
Input Voltage	PoE (51-54VDC)
Input Power	22.3W
Tested values – contact technical support for rated values. Standby power <0.9W	

### Options and Details



### Modules

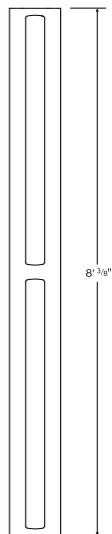
Module length excludes end caps. Nominal mounting spacing for individually mounted modules.



Note: Refer to installation instructions for exact mount.

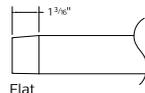
### Optics & Styles

#### Lens view

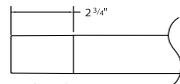
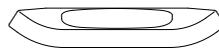


Suspended  
(without endcaps)

#### End caps



Flat



Sculpted

#### Housing

Precision formed 18 gauge cold-rolled steel.

#### Weight

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

#### 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 for suspended mount version.

#### Driver

Philips PoE Lighting Controller.

#### Lumen Maintenance

At an ambient temperature of 25°C, the LED lumen maintenance expectation is L<sub>80</sub> (12k) 60,000 hrs.

#### 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.

#### Endcaps

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

#### Electrical

Integrated CAT5e cable allows for upto 24" drop between Luminaire and Canopy. Mounting canopy provides RJ45 connection point for PoE network.

#### Approvals

Certified to UL, CSA and IES standards.

#### Finish

Standard finish is textured matte White.

#### 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.

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

