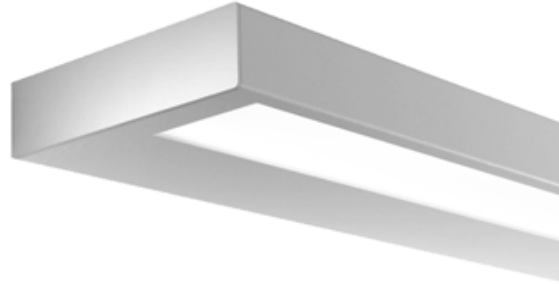




# Linear

## Sync Wall

2300 lm/4ft 65% Up, Asym.  
3000/3500/4000K



Project: \_\_\_\_\_  
 Spec Type: \_\_\_\_\_  
 Catalog No: 7408LxGQN \_\_\_\_\_  
 Qty \_\_\_\_\_  
 Line Notes: \_\_\_\_\_

With its slim, uncluttered design, Sync is the epitome of compact style. Sync offers true direct/indirect lighting distribution and luminous aesthetics with exceptional glare control.

### Ordering guide

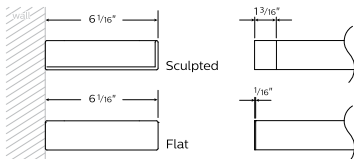
Product Type	Source	Color Temp *	Lumens *	Lower Optics	Upper Optics	Run Length	Wiring †	Voltage	Driver	Finish
7408	L		G	Q	N					
Sync Wall Direct/Ind	L LED	A 4000K B 3500K C 3000K	C 4400 lm/4ft E 3400 lm/4ft G 2300 lm/4ft	Q MesoOptics Lens	N Lightguide	04 4' 08 8' XX Total run length (4' increments)	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)	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

### Endcaps -



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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, available in flat (standard) or sculpted (optional).

## Finish

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

## 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%. 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: L<sub>80</sub> (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).

## 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

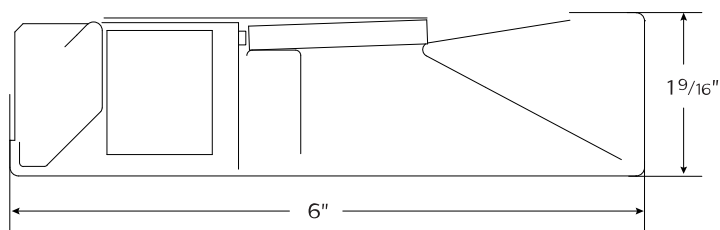
Philips indoor professional luminaires 5 year LED warranty: [www.philips.com/warranties](http://www.philips.com/warranties).

## 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



# Sync Wall

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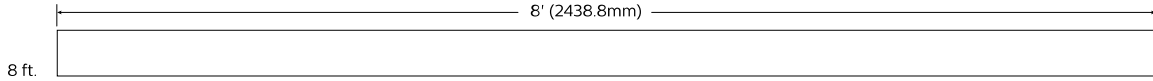
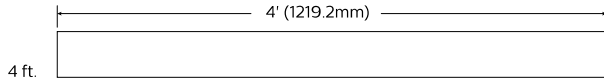
3000/3500/4000K

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## Dimensions - Modules

### Modules

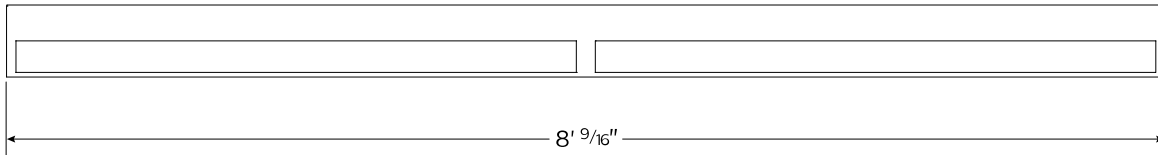
Module length excludes end caps. Nominal mounting spacing for individually mounted modules.



Note: Refer to installation instructions for exact mount.

## Optics and Styles

### Lens view



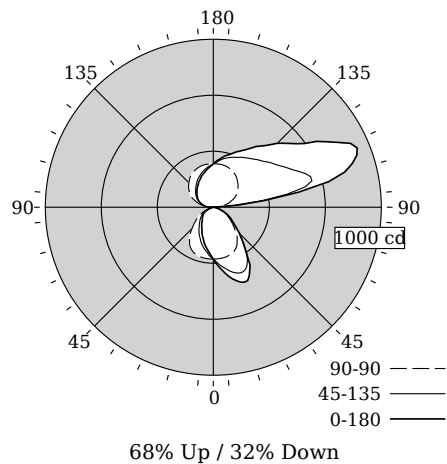
Wall  
(without endcaps)

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## Photometry - 3500K



## Candela Distribution

Vertical Angle	Horizontal Angle				Zonal Lumens
	0	45	90	135	
0	309	309	309	309	0
5	352	336	308	288	30
15	441	395	305	240	90
25	482	423	291	192	142
35	351	350	247	148	120
45	220	218	179	113	93
55	135	130	119	84	72
65	79	73	67	48	41
75	31	29	26	11	3
85	5	5	3	0	0
90	0	0	0	0	0
95	133	157	37	42	48
105	810	608	93	72	296
115	900	525	143	103	98
125	661	447	177	127	118
135	538	394	206	148	138
145	441	357	231	173	159
155	368	328	248	200	185
165	320	303	257	225	211
175	280	271	259	248	241
180	258	258	258	258	258

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										Wall									
	70	50	30	10	70	50	30	10	50	30	10	0	70	50	30	10	50	30	10	0
0	103	103	103	103	93	93	93	74	74	74	32	0	0	0	0	0	0	0	0	0
1	94	90	87	83	85	82	79	65	63	61	28	0	0	0	0	0	0	0	0	0
2	86	79	74	69	77	72	67	57	54	51	24	0	0	0	0	0	0	0	0	0
3	79	70	63	58	71	63	58	51	47	43	21	0	0	0	0	0	0	0	0	0
4	72	62	55	49	65	56	50	45	41	37	18	0	0	0	0	0	0	0	0	0
5	66	55	48	42	60	50	44	41	36	32	16	0	0	0	0	0	0	0	0	0
6	61	50	42	36	55	45	38	37	32	28	14	0	0	0	0	0	0	0	0	0
7	56	45	37	32	51	41	34	33	28	25	13	0	0	0	0	0	0	0	0	0
8	52	41	33	28	47	37	31	30	25	22	12	0	0	0	0	0	0	0	0	0
9	49	37	30	25	44	34	28	28	23	20	10	0	0	0	0	0	0	0	0	0
10	45	34	27	22	41	31	25	25	21	18	10	0	0	0	0	0	0	0	0	0

## Avg. Luminance (cd/m<sup>2</sup>)

Vertical Angle	Horizontal Angle		
	0	90	180
55	2974	2620	1595
65	2349	2001	1230
75	1517	1285	160
85	751	414	0

## Distribution

Hemisphere	68% Up / 32% Down
Peak/Zenith	3.58
Peak Output	926 cd
Glare Control	Meets RP-1-12 recommendations for VDT-Critical spaces

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## Optical Performance

Nominal CCT:	3000K	3500K	4000K
Flux (lm)	2213	2312	2377
Efficacy (lm/W)	101.1	106.1	109.5
Power (W)	21.9	21.8	21.7
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	21.8W	21.9W	22.5W
Input Current	0.18A	0.08A	0.07A
Power Factor	0.991	0.934	0.932
Total Harm. Distortion	10.7%	17.9%	14.0%

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

