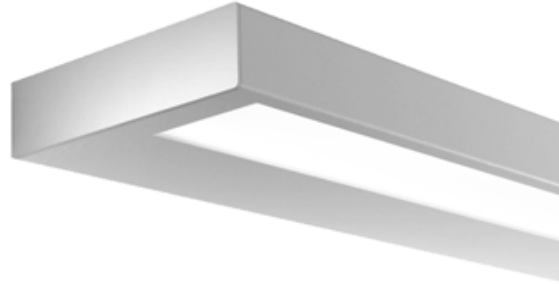




Linear

Sync Wall

3400 lm/4ft 65% Up, Asym.
3000/3500/4000K



Project: _____
 Spec Type: _____
 Catalog No: 7408LxEQN
 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

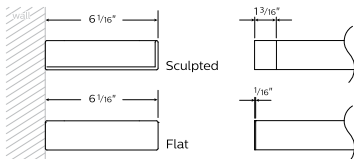
Product Type	Source	Color Temp *	Lumens *	Lower Optics	Upper Optics	Run Length	Wiring †	Voltage	Driver	Finish
7408	L		E	Q	N					
Sync Wall Direct/Ind	L LED	A 4000K B 3500K C 3000K	C 4400 lm/4ft E 3400 lm/4ft G 2300 lm/4ft	Q MesoOptics Lens	N Lightguide	04 4' 08 8' XX Total run length (4' increments)	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: L₈₀ (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).

Warranty

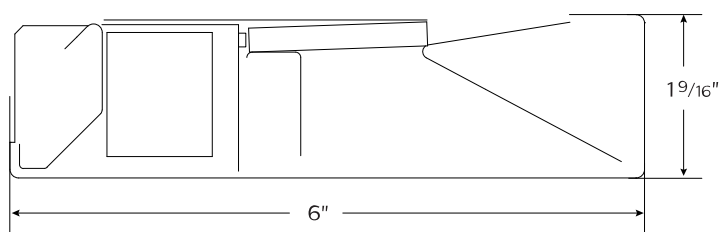
Philips indoor professional luminaires 5 year LED warranty: www.philips.com/warranties.

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



Sync Wall

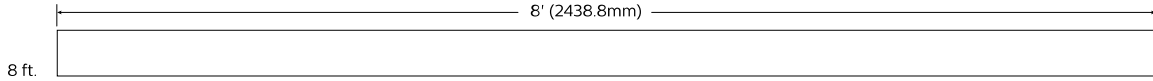
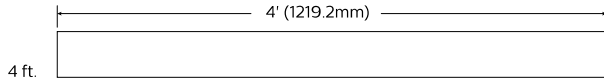
3400 lm/4ft 65% Up, Asym.

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Dimensions - Modules

Modules

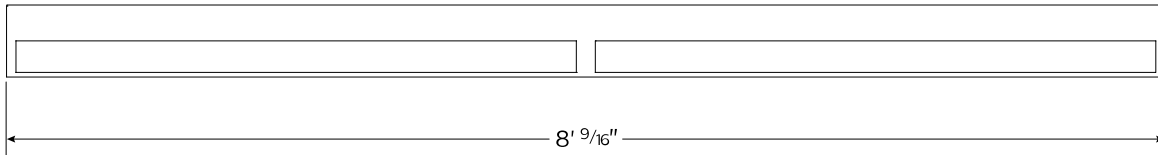
Module length excludes end caps. Nominal mounting spacing for individually mounted modules.



Note: Refer to installation instructions for exact mount.

Optics and Styles

Lens view



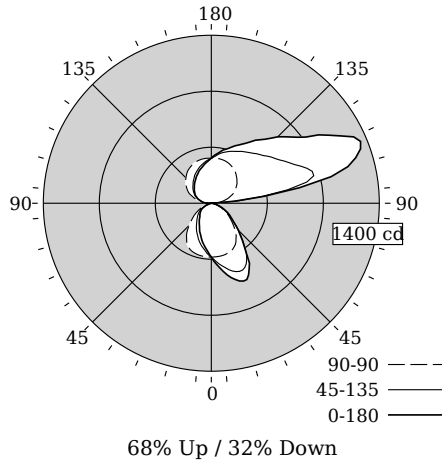
Wall
(without endcaps)

Sync Wall

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Photometry - 3500K



Candela Distribution

Vertical Angle	Horizontal Angle				Zonal Lumens
	0	45	90	135	
0	449	449	449	449	0
5	512	489	448	418	43
15	642	575	443	350	131
25	701	615	423	280	207
35	510	509	359	215	229
45	321	318	261	164	135
55	196	189	173	122	105
65	114	105	97	69	60
75	45	43	38	16	5
85	8	7	4	0	0
90	0	0	0	0	1
95	193	229	54	61	69
105	1178	883	135	105	102
115	1309	764	208	150	143
125	962	650	257	184	171
135	783	573	300	215	200
145	641	519	337	251	232
155	535	476	360	290	268
165	466	441	374	326	307
175	407	394	377	361	350
180	376	376	376	376	376

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

Avg. Luminance (cd/m²)

Vertical Angle	Horizontal Angle		
	0	90	180
55	4325	3810	2320
65	3415	2909	1788
75	2207	1869	233
85	1092	602	0

Distribution

Hemisphere	68% Up / 32% Down
Peak/Zenith	3.58
Peak Output	1347 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)	3219	3361	3458
Efficacy (lm/W)	97.0	101.5	104.8
Power (W)	33.2	33.1	33.0
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	33.1W	32.7W	33.5W
Input Current	0.28A	0.12A	0.10A
Power Factor	0.996	0.965	0.964
Total Harm. Distortion	6.8%	13.0%	9.0%

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

