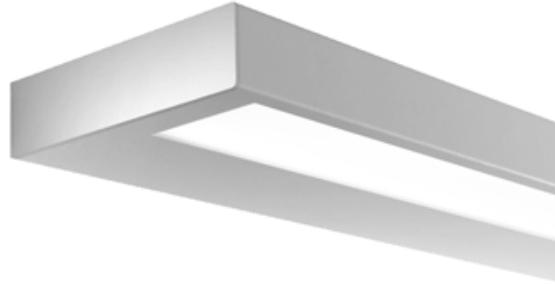




Linear

Sync Wall

4400 lm/4ft 65% Up, Asym.
3000/3500/4000K



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

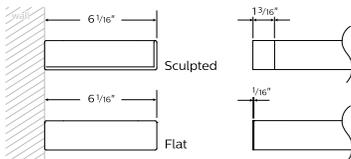
Product Type	Source	Color Temp *	Lumens *	Lower Optics	Upper Optics	Run Length	Wiring †	Voltage	Driver	Finish
7408	L		C	Q	N					
Sync Wall Direct/Ind	L LED	A 4000K B 3500K C 3000K	C 4400 lm/4ft E 3400 lm/4ft G 2300 lm/4ft	Q MesoOptics Lens	N Lightguide	04 4' 08 8' XX Total run length (4' increments)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

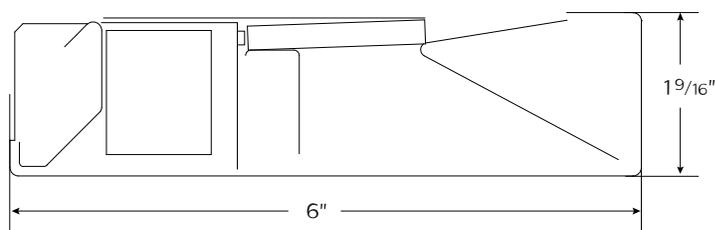
Philips indoor professional luminaires 5 year LED warranty: www.philips.com/warranties.

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

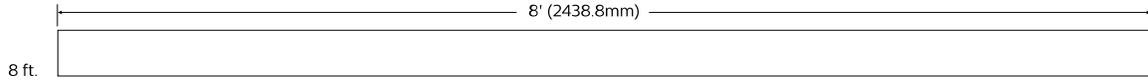
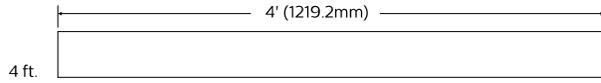
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Dimensions - Modules

Modules

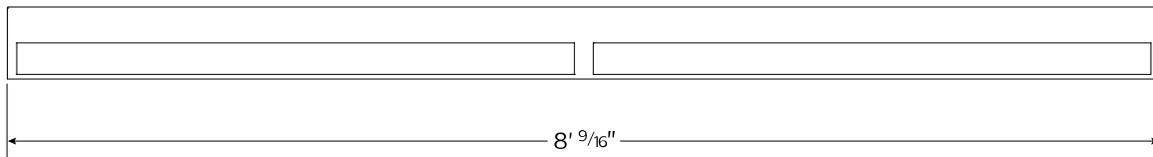
Module length excludes end caps. Nominal mounting spacing for individually mounted modules.



Note: Refer to installation instructions for exact mount.

Optics and Styles

Lens view



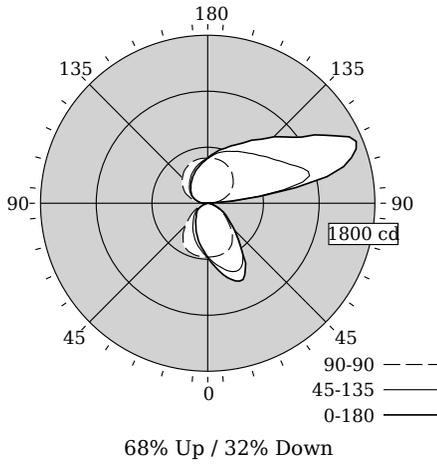
Wall
(without endcaps)

Sync Wall

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Photometry - 3500K



Candela Distribution

Vertical Angle	Horizontal Angle				Zonal Lumens
	0	45	90	135	
0	577	577	577	577	577
5	658	629	576	538	508
15	825	739	569	449	400
25	902	790	543	359	299
35	656	655	461	276	225
45	412	408	335	211	174
55	252	243	222	157	135
65	147	136	125	89	77
75	58	55	49	20	6
85	10	9	5	0	0
90	0	0	0	1	1
95	248	294	69	78	89
105	1514	1136	174	135	131
115	1683	982	268	192	183
125	1236	835	331	237	220
135	1006	737	385	277	257
145	825	667	433	323	298
155	688	613	463	373	345
165	599	567	481	420	395
175	523	507	484	464	450
180	483	483	483	483	483

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

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle		
	0	90	180
55	5560	4898	2982
65	4390	3740	2299
75	2837	2403	299
85	1404	774	0

Distribution

Hemisphere	68% Up / 32% Down
Peak/Zenith	3.58
Peak Output	1731 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)	4138	4321	4444
Efficacy (lm/W)	93.6	98.2	101.2
Power (W)	44.2	44.0	43.9
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	44.0W	43.8W	44.3W
Input Current	0.37A	0.16A	0.13A
Power Factor	0.993	0.972	0.970
Total Harm. Distortion	8.0%	10.3%	9.0%

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

