

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.

Sync includes **AccuRender** technology for the highest color quality at the highest efficacy.

Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Line ID: _____ Qty: _____
 Notes: _____

Ordering guide

example: 7408LBEQN087DEW

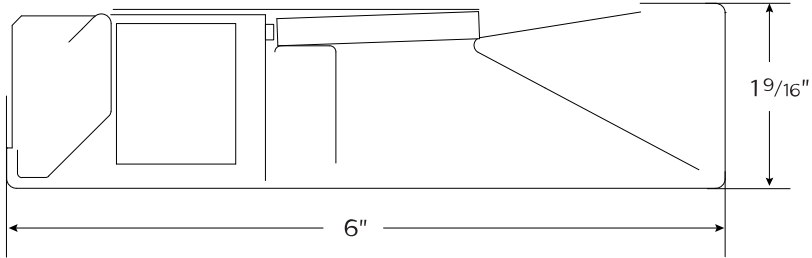
Family	Source	CRI/CCT ¹	Lumens ¹	Optics	Distribution	Run Length	Wiring ²	Voltage	Driver	Finish
7408	L			Q	N				E	
7408 Sync Wall	L LED	A CRI 90, 4000K B CRI 90, 3500K C CRI 90, 3000K	C 4400 lm/4ft E 3400 lm/4ft G 2300 lm/4ft	Q MesoOptics Lens	N Lightguide	04 4ft 08 8ft xx Continuous Run (4ft increments)	7 1cct Dimming E 2cct A/B Dimming (Alt. 4ft sections) M 1cct Dimming + EM Wiring N 1cct Dimming + EM Batt. Pack	D UNV 120-277V 3 347V	E Advance 0-10V (1% Dim)	W Standard White T Titanium Silver B Black C Custom

1. Nominal values within a range. Consult photometry data for color temp, lumens & distribution of chosen configuration.
 2. Not all wiring types are available with all configurations. Consult Ledalite for a complete list of available options.

Sync linear wall

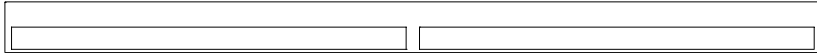
Cross Section View

Lightguide



Cross Section View – Optics Details

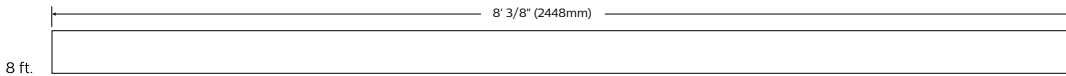
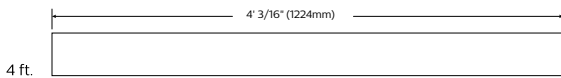
Lens View



Wall
(without endcaps)

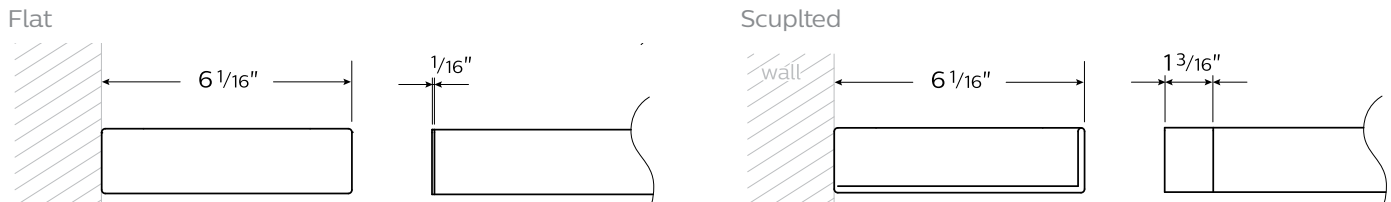
Module Details & Dimensions

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



Note: Refer to installation instructions for exact mount.

Cross Section View – Endcaps



Sync linear wall

Specifications

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

Advance Xitanium 0-10V, 1-100%. Class 2 rated output. Consult Ledalite for other available drivers.

Standard Battery Pack

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-21-21 is: L₈₀ (10k) >60,000 hrs (Reported methodology).

Source Color

LEDs rated for color rendering CRI >90 and R9 > 50, and fixture to fixture color accuracy within 2 SDCM.

Mounting

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.

Warranty

Signify indoor professional luminaires 5 year LED warranty: www.signify.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.

Sync linear wall

Photometrics

MesoOptics + Lightguide Distribution (QN)

(Click "PDF" and "IES" text to Download)

Lumen Package	Nominal CRI & CCT	Flux (lm)	Watts (W)	Efficacy (LPW)	CRI	RP-1 VDT	Photometry Report	IES File
4400 lm/4ft	CRI 90, 4000K	4444	43.9	101.2		Critical spaces	PDF	IES
	CRI 90, 3500K	4321	44.0	98.2		Critical spaces	PDF	IES
	CRI 90, 3000K	4138	44.2	93.6	90+	Critical spaces	PDF	IES
3400 lm/4ft	CRI 90, 4000K	3458	33.0	104.8	90+	Critical spaces	PDF	IES
	CRI 90, 3500K	3361	33.1	101.5	90+	Critical spaces	PDF	IES
	CRI 90, 3000K	3361	33.1	101.5	90+	Critical spaces	PDF	IES
2300 lm/4ft	CRI 90, 4000K	2377	21.7	109.5	90+	Critical spaces	PDF	IES
	CRI 90, 3500K	2312	21.8	106.1	90+	Critical spaces	PDF	IES
	CRI 90, 3000K	2213	21.9	101.1	90+	Critical spaces	PDF	IES

**Photometry is measured to IES standards using CRI 80 LEDs. New AccuRender high efficacy CRI 90 LEDs will meet or exceed posted energy specifications including wattage, lumen output, and efficacy.

	CANDELA DISTRIBUTION					Flux Lumens
	0	22.5	45	67.5	90	
0	449	449	449	449	449	
5	512	489	448	418	395	43
15	642	575	443	350	311	131
25	701	615	423	280	232	207
35	510	509	359	215	175	229
45	321	318	261	164	135	195
55	196	189	173	122	105	148
65	114	105	97	69	60	94
75	45	43	38	16	5	37
85	8	7	4	0	0	7
90	0	0	0	0	0	1
95	193	229	54	61	69	135
105	1178	883	135	105	102	431
115	1309	764	208	150	143	458
125	962	650	257	184	171	377
135	783	573	300	215	200	307
145	641	519	337	251	232	242
155	535	476	360	290	268	177
165	466	441	374	326	307	108
175	407	394	377	361	350	36
180	376	376	376	376	376	

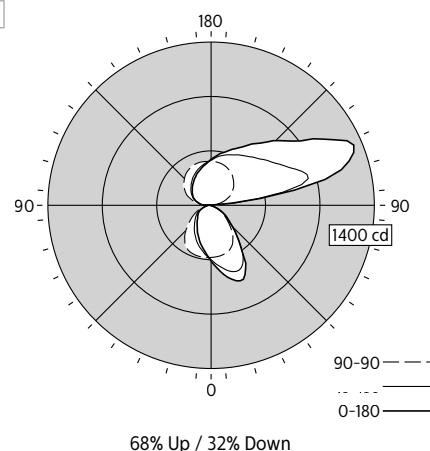
*Photometric data shown is for 3400 lm/ 4ft, 3500K, 90 CRI configuration.

COEFFICIENTS OF UTILIZATION (%)													
Pc---	80				70				50				0
Pw---	70	50	30	10	70	50	30	50	30	10	0	0	
RCR	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		

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Fixture	%Lamp
0-30	381	11.3%	11.3%
0-40	610	18.1%	18.1%
0-60	952	28.3%	28.3%
0-90	1090	32.4%	32.4%
90-130	1401	41.7%	41.7%
90-150	1950	58.0%	58.0%
90-180	2272	67.6%	67.6%
0-180	3361	100.0%	100.0%

Electrical				
120V: P, I, THD, PF	33.1	0.277	6.8	0.996
277V: P, I, THD, PF	32.7	0.122	13.0	0.965
347V: P, I, THD, PF	N/A	N/A	N/A	N/A

AVG LUMINANCE (cd/m ²)			
	0	45	90
0	5672	5672	5672
5	6497	5682	5015
15	8398	5796	4074
25	9780	5892	3241
35	7875	5537	2703
45	5730	4659	2420
55	4325	3810	2320
65	3415	2909	1788
75	2206	1869	233
85	1092	602	0



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