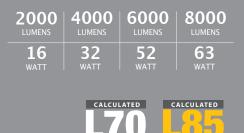


ASW1-LED

ARCHITECTURAL LED SUSPENDED LINEAR DIRECT/INDIRECT SYSTEM







APPLICATION: Open office space ambient lighting for virtually glare-free and shadow free illumination. Ideal for school classrooms, meeting rooms, retail stores

LIFETIME

150,000 HRS

LIFETIME 65,000 HRS

ASW1

- PRODUCT FEATURES:
 An optical system engineered to maximize the output of LED light engines
 Can be mounted from 12" to 18" from the ceiling while still producing very wide distribution for even ceiling brightness
 Fixtures are shipped with die-cast aluminum joiners installed for suspension and structural continuity
 Fixtures are designed with a white acrylic overlay that provides glowing ambient downlighting

- downlighting
 White 20-gauge roll-formed steel housing
 Rated at 85+ CRI and available in multiple CCTs
 Life tested to ensure light output of L70 up to 150,000 hrs and L85 up to 65,000 hrs
 Tested to LM-79 and LM-80 standards
 LED lighting technology offers the highest return on initial investment over the lifetime of the fixture
 Dimmable down to 1% with compatible dimming systems
 LED light engine is completely removable and upgradable

ASW1 -LED ARCHITECTURAL LED LINEAR DIRECT/ INDIRECT PERFORATED (Wall MOUN)



PERFORMANCE - The light engines found in the ASW1 are rated at 85+ CRI and are available in multiple CCTs: 3000K, 3500K, 4000K and 5000K. Rated and tested to LM-79 and LM-80 standards. The LEDs are also binned to a 3-step MacAdam ellipses to achieve consistent color from fixture to fixture.

ELECTRICAL - Powered by high-quality constant-current power LED drivers which are rated for 50 to 60Hz at 120-277V input, produce less than 20% THD, and have a power factor of .90 to 1.00.

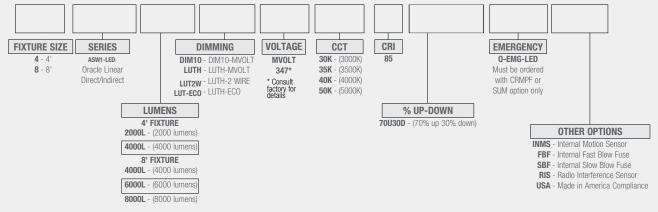
DIMMING - The ASW1-LED comes standard with 0-10V dimming on either 120 or 277V. Dimmable down to 1% of initial lumens. Also available in Lutron dimming options. Consult factory for dimmer compatibility.

OPTIONS - Fixtures can be shipped pre-installed with daylight harvesting controls, occupancy sensors, and/or power pack. Available manufacturer options include Leviton, Wattstopper, Hubble Automation, and others.

QUALITY CONTROL - Every fixture is turned on and rigorously tested by our QC Department before shipping.

WARRANTY - Limited 5 Year Warranty

Ordering Information: Example: 4-ASW1-LED-4000L-DIM10-MVOLT-30K-85-70U30D



EASYFIT **Controls Provided by EnOcean** Controls Options to be Installed on the Fixture Self-powered sensors and switches, combined with LED fixture controllers and a commissioning tool, permit easy configuration, intelligent local control, and seamless integration into building automation systems. EOSCU EOSWU ELLSU Occupancy Sensor Occupancy Sensor Daylight Sensor **Ceiling Mount** Wall Mount Ceiling Mount WSS0S-S9W WSS0S-D9W LEDDU LEDRU LED Relay Zone LED Zone ESRPU/ EDRPU LEVITON **NWC 300U** Controller 0-10V Controller 0-10V Wall Switches Wall Switches Navigan Wireless 902 MHz category Commissioner La legrand[®] LMFC-011 Fixture Will be Shipped Legrand Wattstopper DLM Enabled **Controls Installed** with LMFC-011 Module Controller Installed on the Fixture. on the Fixture Fixtures will be compatible with Legrand Wattstopper DLM Load Controllers, DLM Sensors, DLM Switches, DLM Remote Control, and DLM Configuration tool. Configuration tool **Plug Load Controllers** Sensors Remote Switches LMRH-105 LMCT-100-2 LMPL-101 LMPL-201 LMDC-100 LMLS-400 LMLS-500 LMSW-105 LMDM-101 FD-301 Fixture Will be Shipped with Legrand Wattstopper FD-301 (Integrated Daylight Dimming Photosensor) installed and FS-PP-V2 FS-PP-V2 Fixture Power Pack.





PHILIPS

Philips EasySense sensors provide luminaire-level control with Occupancy sensing, Daylight harvesting, and Field task tuning.

Controls Installed on the Fixture



Fixture will be Shipped Sensor Ready with SRB Bridge . Fixture will be Compatible with EasySense Sensor SNS200-CMP which can be Added in the Field for Remote Mounting. Fixture May Only be Controlled with Philips Field App or Wireless Switches or any 0-10V. Wall Box Dimmer.



SRB + SNS200-CMP

Fixture Will be Shipped Sensor Ready with PHILIPS SRB Bridge and EasySense SNS200-CMP Sensor which is Included to be Remote Mounted. Fixture May Only be Controlled with Philips Field App or Wireless Switches or any 0-10V. Wall Box Dimmer.



enlighted

PHILIPS-XSR + SNS200-CMP

Fixture will be Shipped Sensor Ready with

PHILIPS-XSR driver and EasySense SNS200-

CMP Sensor which is Included to be Remote

Mounted. Fixture May Only be Controlled with

Philips Field App or Wireless Switches

Enlighted Smart Sensors features digital motion, ambient light, and temperature sensing, the device provides autonomous fixture-level control

Controls Installed on the Fixture



Fixture Will be Shipped with Enlighted FS-D22 Two-wire sensor Sensor installed and PHILIPS-XSR driver. Fixture May be Controlled with Enlighted Gateway, Energy Manager or Enlighted Room Controller WS-2-00



Fixture Will be Shipped Sensor Ready with Enlighted CU-E3-1R Control Unit Power Pack. Fixture will be be compatible with Enlighted SU-4E-00 Sensor which can be Added in the Field Remote Mounting. Fixture May be Controlled with Enlighted Gateway, Energy Manager or Enlighted Room Controller WS-2-00



Fixture Will be Shipped with Enlighted SU-4E-00 Sensor installed and Enlighted CU-E3-1R Control Unit Power Pack. Fixture May be Controlled with Enlighted Gateway, Energy Manager or Enlighted Room Controller WS-2-00



PHILIPS-XSR

Fixture Will be Shipped Sensor Ready with PHILIPS-XSR driver. Fixtures will be be compatible with Enlighted CS-D2 Two-wire sensor which can be Added in the Field for Remote Mounting. Fixture May be Controlled with Enlighted Gateway, Energy Manager or Enlighted Room Controller WS-2-00.







OLUTRON

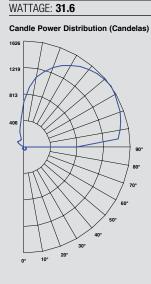




4-ASW1-LED-4000L-DIM10-MV0LT

EFFICACY: **120 LM/W**

EFFICACY: 124 LM/W



	Total Luminaire Efficacy: 120																								
Zonal Lumens Summary						Luminance Data (cd/sq.m)									Candela Tabulation										
Zone Lumens %Lamp			%Fixt				Average		Average		Average				<u>0</u>		4	<u>45</u>		90	<u>)</u>				
0-30°	39.45	1.00	1.00		Degrees 45° 55° 65° 75° 85°		0°		45°		90°		0 5		49.857 50.460			49.857 51.080			857				
0-40°	64.61	1.70	1.70																		320				
0-60°	113.84	3.00	3.00				381		445 382 438		623	• • •		15 25		48.000 43.570		49.750 46.100			960 570				
0-90°	215.16	5.70	5.70				296				613		25 35		37.330		40.300				550				
							274				927		45		29.430		32.680				330				
0-180°	3787.94	100.00	100.00				375	2719			3867		55		20.300			23.740		33.250					
													65		11.0			5.020			080				
													75 85			500 040		0.540 2.040			300 340				
													90			530		7.100		797.					
					nts of L Floor Ca							od													
Spacing	Criteria		RC RW	70%	80% 50% 3		10%	70%	70 50%)% 30%	10%	50%	50% 30%	10%	50%	30% 30%	10%	50%	10% 30%	10%	0% 0%				
0-180 90-270 Diagonal	: N/A : N/A		0 1 2 2 2 4 2 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 0 0 0	97 87 79 72 66 60 55 51 47 44 40 Ceiling	83 72 63 56 49 44 39 36 32	97 79 66 56 48 42 36 32 28 25 23 lecta	97 76 61 43 36 31 27 23 20 18	83 75 68 62 56 52 47 44 40 37 35	83 72 62 55 48 43 38 34 31 28 25 V - Wal	83 68 58 49 42 36 32 28 25 22 20 I Reflec	83 66 54 44 37 32 27 24 21 18 16 tance	59 50 44 38 34 30 27 24 22 20 18	59 48 41 35 30 26 23 20 18 16 14	59 46 38 32 27 23 20 17 15 13 12	36 31 27 23 21 19 17 15 14 12 11	36 30 25 21 19 16 14 13 11 10 9	36 28 24 20 17 14 12 11 9 8 7	15 13 11 10 9 8 7 6 6 5 5 5	15 12 10 9 8 7 6 5 5 4 4	15 12 10 8 7 6 5 4 4 3 3	6 3 2 2 2 1 1 1 1				

4-ASW1-LED-2000L-DIM10-MV0LT

WATTAGE: 16.1

Candle Power Distribution (Candelas)											
862											
847											
431											
216											
90°											
80°											
0° 10° 0°											

	LUN	iens: 1990									T(DTAL	LUM	INAI	RE EF	FIC	ACY:	124					
Zonal Lu		Luminance Data (cd/sq.m)										Candela Tabulation											
Zone	Lumens	%Lamp	%	Fixt		Angle	n /	Average		Averag		Avera	age			<u>0</u>		<u>45</u>			90	0	
0-30°	20.69	1.00	1.0	00		Degree	es (0°	4	45⁰		90°		0			5.07		26.07			6.0	
0-40°	33.91	1.70	1.3	70		45°		233		260		343		5			5.29		26.62		26		
0-60°	59.77	3.00	3.0	00					233 334 200 331		15 25					25.94	26.6 25.4						
													25			22.71 19.47			24.05 21.04				
0-90°	109.29	5.50	5.	50		75° 142	:	229	29 482			45		15.35			17.07		23.4 22.5				
0-180°	1990.33	90.33 100.10		0.00	0 85°			194		1415		1989			55		10.57		12.42			17.8	
					_									65		e	6.05		7.87		13		
														75		3	3.42		5.50		11		
														85			1.57		11.47		16		
														90		1	1.30	4	92.10		192	2.5	
						nts of L loor Ca							od										
	0.11			RC RW	70%	80% 50% 3		10%	70%	70 50%	0% 30%	10%	50%	50% 30%	10%	50%	30% 30%	10%	50%	10% 30%	10%	0	
Spacing	Criteria			0	97		97		83	83	83	83	59	59	59	36	36	36	15	15	15		
0-180	: N/A			1	87	83	79	76	75	72	68	66	50	48	47	31	30	29	12	12	12		
90-270	: N/A		RATIO	2 3	79 72		66 56	62 51	68 62	62 55	58 49	54 45	44 39	41 35	38 32	27 23	25 21	24 20	11 10	10 9	10 8		
Diagonal	: N/A		Y R/	4 5	66	56	48 42	43 36	56 52	48 43	42 37	37 32	34 30	30	27 23	21 19	19 16	17 14	8	8	7		
			CAVITY	6	60 55	44 ;	37	31	47	38	32	27	27	26 23	20	17	14	12	8 7	6	6 5		
			I CA	7 8	51 47		32 28	27 23	44 40	34 31	28 25	24 21	24 22	20 18	17 15	15 14	13 11	11 9	6 6	5 5	4		
			ROOM	9	44	32	25	20	37	28	22	18	20	16	13	12	10	8	5	4	3		
			~	10	40	29 2	23	18	35	25	20	16	18	14	12	11	9	7	5	4	3		

nce

RC - Ceiling Cavity Reflect

ance

RW - Wall Re