



Advantage Linear (ALN)

Affordable and Efficient-Contractor Friendly



OVERVIEW

Lumen Package (lm)	1,200 - 9,200
Color Temperature (K)	3500 - 4000 - 5000
Wattage Range (W)	11 - 72
Efficacy Range (LPW)	114 - 135
Weight lbs (kg)	2ft. - 2.5 (1.1) 4ft. - 3.5 (1.6) 6ft. - 6.5 (2.9) 8ft. - 8.5 (3.9)

QUICK LINKS

FEATURES & SPECIFICATIONS

Construction

- Extruded Aluminum housing
- Acrylic lens material for optimal color stability
- 22-gauge cold rolled steel integrated surface mount
- Operating temperature: -4F to 104F (-20C to +35C)
- 4" width, 2', 4', 6', 8' lengths

Optical System

- Edge-lit system for ultra-thin profile
- 3500K - 4000K - 5000K selectable CCT
- 80 CRI minimum
- Diffuse Acrylic cover lens for glare-free, uniform luminance and high visual comfort
- Selectable lumen output to suit a wide range of applications

Electrical

- Class 2 driver features over-voltage, under-voltage, short-circuit and over-temperature protection
- Field Selectable Output
- 0-10V dimming (10% - 100%) standard
- 120 - 347VAC Input Voltage

- L70 Calculated Life: >60k hours (See Lumen Maintenance table)
- Power factor (PF): > 0.90
- Total harmonic distortion (THD): <20%
- Optional factory integrated or remote battery backup for standby lighting (90min.)

Controls

- 0-10V dimming standard
- Compatible with most 0-10V dimmers
- Available with AirLink™ Blue. AirLink™ Blue (ALB) is a low-power wireless Bluetooth mesh control system. AirLink™ Blue wireless control system, with technology partner Silvar, incorporates Luminaire Level Lighting Controls (LLLC) and high-end trim.
- The optional integrated AirLink™ Blue fixture controller (ALBC) is used to dim the fixture based on motion or daylight levels continually monitored by external ALB sensors.

Installation

- Ideal for shallow plenum applications
- Easy access to wiring box for quick installation

- Earthquake clips for secondary retention
- Recessed, surface, stem or suspended mount
- Integrated surface mount box for suspended, surface, or stem mounting
- IC-rated for direct contact with insulation

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to <https://www.lsicorp.com/resources/terms-conditions-warranty/> for more information.

Listings

- Listed to UL 1598 and UL 8750
- Title 24 Compliant; see local ordinance for qualification information
- Suitable for damp locations
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

NOTE: For surface, stem, or suspended mounting, the integrated surface mount configuration must be used to ensure safety compliance.

ORDERING GUIDE

TYPICAL ORDER EXAMPLE: ALN 8 FS1 UNC WHT ALBC EM10									
Family	Mounting	Length	Lumen Package, CCT & CRI	Position	Voltage	Finish	Controls	Emergency Backup	Options
ALN - Advantage Linear	Blank - Recessed SM - Surface Mount	2 - 2ft. 4 - 4ft. 6 - 6ft. 8 - 8ft.	FS1 600 - 800 - 1,000lm/ft.	Blank - Individual or Standalone fixture. No provision for Continuous Run. BOR* - Beginning of Row MOR* - Middle of Row EOR* - End of Row CR* - Continuous Run All Accessories for beginning, middle and end of run included *Only valid with continuous row	UNC - 120-347VAC	WHT - Matte White BLK - Matte Black Applies to SM, SMC Mounting Only	Blank - None ALBC - AirLink Blue Controller Integral QCR25 - AirLink Blue Quick Control Receptacle 2.5mm - See Accessory Ordering Information	Blank - None EM10 - 10W Battery Backup	Blank - None

ALN Pendant with Installation Kit

Family	Mounting	Length	Lumen Package, CCT & CRI	Position	Voltage	Finish	Controls	Emergency Backup	Options
ALN - Advantage Linear	SMC - Suspension Mount with 10ft. Aircraft cable, pre-wired	2 - 2ft. 4 - 4ft. 6 - 6ft. 8 - 8ft.	FS1 600 - 800 - 1,000lm/ft.	Blank - Individual or Standalone fixture. No provision for Continuous Run. BOR* - Beginning of Row MOR* - Middle of Row EOR* - End of Row CR* - Continuous Run All Accessories for beginning, middle and end of run included *Only valid with continuous row	UNC - 120-347VAC	WHT - Matte White BLK - Matte Black Applies to SM, SMC Mounting Only	Blank - None ALBC - AirLink Blue Controller Integral QCR25 - AirLink Blue Quick Control Receptacle 2.5mm - See Accessory Ordering Information	Blank - None EM10 - 10W Battery Backup	PDCMK - Drywall Mounting Kit White with 12ft. Cable PDCMK BLK - Drywall Mounting Kit Black with 12ft. Cable GCMK 15/16 - Grid Mount Kit 15/16" White with 12ft. Cable GCMK 9/16 - Grid Mount Kit 9/16" White with 12ft. Cable



Need more information?
[Click here for our glossary.](#)

Have additional questions?
Call us at (800) 436-7800



ACCESSORY ORDERING INFORMATION

Part Number	Order Number	Description	Notes
802873	QCALBMSD25	Quick Control AirLink Blue Motion Sensor with Daylight Harvesting	AirLink Blue Quick Control Sensor
786277	EM8RMK	8W Battery Backup 120-277VAC Grid Mount Kit	Includes grid mount hanger and battery with test switch
778196	EM8RB	8W Remote Mount Battery	Includes battery with test switch
865127	FK42	2ft. Flange Kit	For Drywall Recess
790145R2	FK44	4ft. Flange Kit	For Drywall Recess
865125	FK46	6ft. Flange Kit	For Drywall Recess
790146R2	FK48	8ft. Flange Kit	For Drywall Recess
687400	PMK24	24" Pendant Kit 1-pk.	For rigid stem mount. With surface mount box.
681509	PMK36	36" Pendant Kit 1-pk.	For rigid stem mount. With surface mount box.
687382	PMK48	48" Pendant Kit 1-pk.	For rigid stem mount. With surface mount box.

PERFORMANCE

Delivered Lumens								
Lumen Package	CRI	3000K CCT		4000K CCT		5000K CCT		Wattage
		Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	
ALN 2 FS1	80	1265	115	1286	116	1310	119	11
ALN 2 FS1	80	1733	116	1762	118	1795	120	15
ALN 2 FS1	80	2159	117	2195	119	2237	121	19
ALN 4 FS1	80	2490	117	2531	120	2579	122	21
ALN 4 FS1	80	3410	118	3347	115	3293	114	29
ALN 4 FS1	80	4089	117	4013	114	4089	117	35
ALN 6 FS1	80	4121	128	4189	131	4268	133	32
ALN 6 FS1	80	5398	131	5487	133	5591	135	41
ALN 6 FS1	80	6944	131	7058	133	7192	135	53
ALN 8 FS1	80	5560	125	5652	127	5759	129	45
ALN 8 FS1	80	7302	126	7422	128	7563	130	58
ALN 8 FS1	80	8880	123	9026	126	9197	128	72

*LED Chips are frequently updated therefore values are nominal

Electrical Data (AMPS) ¹						
Lumen Package	Wattage	120V	208V	240V	277V	347V
ALN 2 FS1	11	0.09	0.05	0.05	0.04	0.03
ALN 2 FS1	15	0.13	0.07	0.06	0.05	0.04
ALN 2 FS1	19	0.15	0.09	0.08	0.07	0.05
ALN 4 FS1	21	0.18	0.10	0.09	0.08	0.06
ALN 4 FS1	29	0.24	0.14	0.12	0.10	0.08
ALN 4 FS1	35	0.29	0.17	0.15	0.13	0.10
ALN 6 FS1	32	0.27	0.15	0.13	0.12	0.09
ALN 6 FS1	41	0.34	0.20	0.17	0.15	0.12
ALN 6 FS1	53	0.44	0.26	0.22	0.19	0.15
ALN 8 FS1	45	0.44	0.21	0.19	0.16	0.13
ALN 8 FS1	58	0.48	0.28	0.24	0.21	0.17
ALN 8 FS1	72	0.60	0.35	0.30	0.26	0.21

Lumen Maintenance ²					
Ambient Temp °C	Initial ³	25k hr ³	50k hr ³	75k hr ⁴	100k hr ⁴
0	100%	96%	92%	88%	84%
10	100%	96%	92%	88%	84%
20	100%	96%	92%	88%	84%
25	100%	96%	91%	87%	83%
30	100%	96%	91%	87%	83%
35	100%	95%	90%	85%	81%

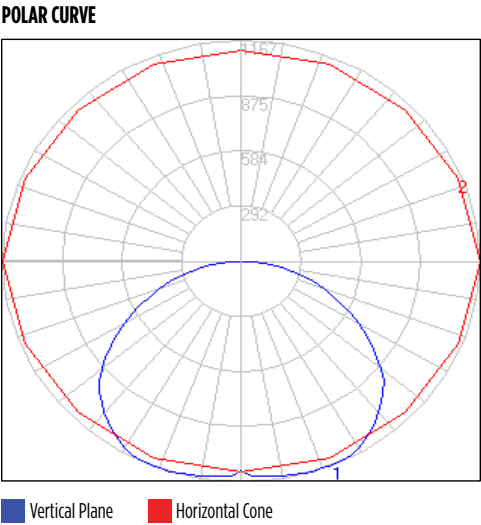
1 Electrical data at 25C (77F). Actual wattage may differ by +/-10%.
2 Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing.
3 In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip).
4 In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times NA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip).

PHOTOMETRICS

Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%. See the individual product page on <https://www.isicorp.com/> for detailed photometric data.

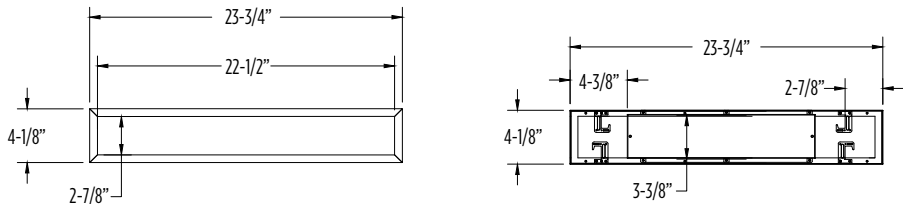
ALN-4-FS1-UNC-(37W-4000K)

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-20	427.3	10.6
0-30	952.8	23.7
0-40	1,628.1	40.6
0-60	3,056.3	76.2
0-80	3,906.1	97.3
0-90	4,013.4	100
10-90	3,906.9	97.3
20-40	1,200.8	29.9
20-50	1,942.7	48.4
40-70	1,957.3	48.8
60-80	849.8	21.2
70-80	320.7	8
80-90	107.3	2.7
90-110	0.0	0
90-120	0.0	0
90-130	0.0	0
90-150	0.0	0
90-180	0.0	0
110-180	0.0	0
0-180	4,013.4	100

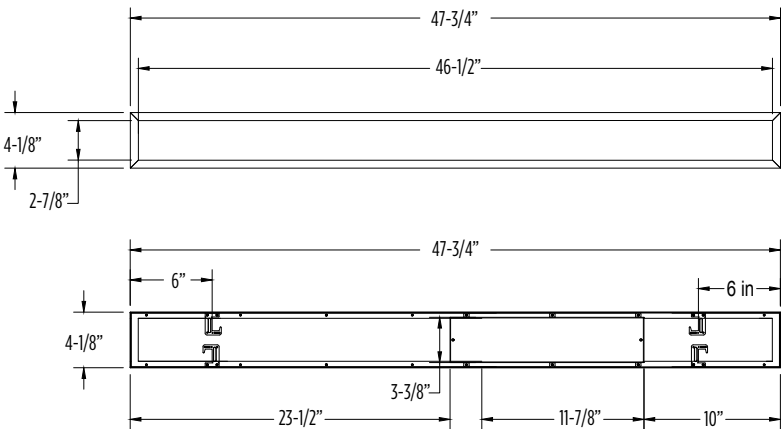


PRODUCT DIMENSIONS

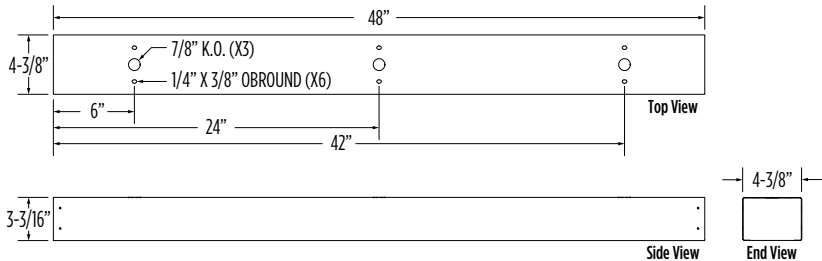
ALN 2



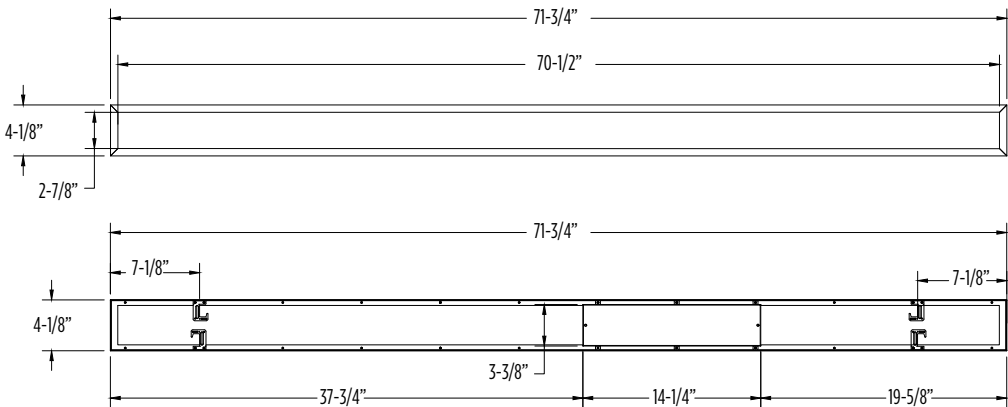
ALN 4



ALN SM 4



ALN 6



PRODUCT DIMENSIONS

