



Advantage Linear (ALN)

Affordable and Efficient Contractor Friendly



OVERVIEW

Lumen Package (lm)	3,900 - 7,800
Wattage Range (W)	34 - 68
Efficacy Range (LPW)	112 - 116
Weight lbs (kg)	4ft. - 3.5 (1.6) 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 +40C)
- 4" width, 4ft., 8ft. lengths

Optical System

- Edge-lit system for ultra-thin profile
- 3500K or 4000K CCT
- 80 CRI minimum
- Diffuse Acrylic cover lens for glare-free, uniform luminance and high visual comfort

Electrical

- Class 2 driver features over-voltage, under-voltage, short-circuit and over-temperature protection
- 0-10V dimming (10% - 100%) standard
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz

- 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
- Compatible with LSI AirLink™ Blue for networked controls
- See controls table for more information

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 4 10L 840 UNV ALBC EM							
Family	Mounting	Length	Lumen Package	Color Temperature/Rendering	Voltage	Controls	Options
ALN - Advantage Linear	Blank - Recessed SM - Integrated Surface Mount ¹	4 - 4ft. 8 - 8ft.	10L - 1,000 lm/ft.	835 - 3500K / 80 CRI min. 840 - 4000K / 80 CRI min.	UNV - Universal Voltage (120-277VAC)	Blank - None ALBC - Integral AirLink Blue Controller	Blank - None EM - 10W Integral Battery Backup BLK - Black Housing ⁴
	SMC - Suspension Mount with 12ft. Power Cord ^{2,3}						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 EM - 10W Integral Battery Backup



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
786277	EM8RMK	8W Battery Backup 120-277VAC Grid Mount Kit
778196	EM8RB	8W Remote Mount Battery
790145	FK44	4ft. Flange Kit
790146	FK48	8ft. Flange Kit
687400	PMK24	24" Pendant Kit 1-pk.
681509	PMK36	36" Pendant Kit 1-pk.
687382	PMK48	48" Pendant Kit 1-pk.

PERFORMANCE

Delivered Lumens ⁵					
Lumen Package	Wattage	3500K CCT		4000K CCT	
		Lumens	Efficacy	Lumens	Efficacy
ALN 4	34	3859	114	3918	115
ALN 8	68	7651	113	7768	114

Lumen Package	Wattage	120V	208V	240V	277V
ALN 4	34	0.28	0.16	0.14	0.12
ALN 8	68	0.57	0.33	0.29	0.25

Recommended Lumen Maintenance - ALN 4/ALN ⁶					
Ambient Temp °C	Initial ⁷	25k hr ⁷	50k hr ⁷	75k hr ⁸	100k hr ⁸
0	100%	96%	92%	88%	84%
10	100%	96%	92%	88%	84%
20	100%	96%	92%	88%	84%
25	100%	96%	92%	88%	84%
30	100%	96%	92%	88%	84%
40	100%	96%	91%	86%	82%

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

2 ALN SMC is pre-wired with 12ft. power cord extension.

3 Grid and drywall mounting kits for ALN SMC include 12ft. aircraft cable and 4in. canopy set.

4 Available only with Integrated Surface Mount (ALN SM). Luminaire available in white finish only.

5 Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

6 Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing.

7 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.

8 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

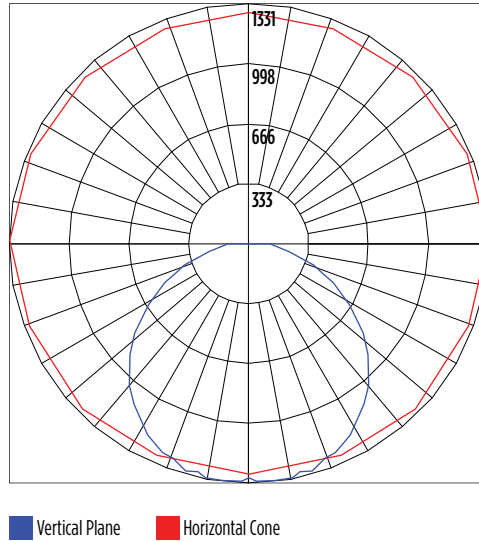
Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

See the individual product page on <https://www.lsicorp.com/> for detailed photometric data.

ALN 4 10L 840 UNV

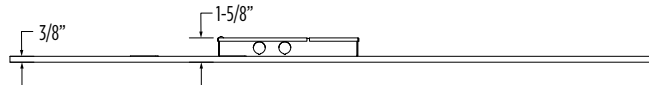
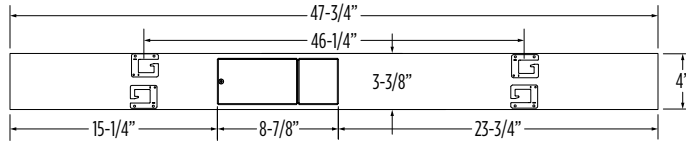
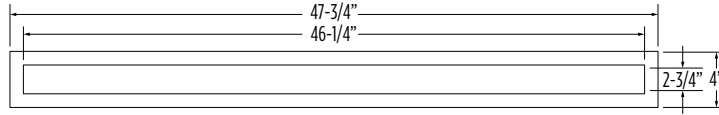
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-20	483.6	3.9%
0-30	1,038.4	9.1%
0-40	1,714.6	16.7%
0-60	3,050.9	36.5%
0-80	3,824.3	52.0%
0-90	3,917.6	53.9%
10-90	3,793.8	53.0%
20-40	1,231.0	12.7%
20-50	1,933.7	22.2%
40-70	1,820.4	29.1%
60-80	773.4	15.5%
70-80	289.3	6.2%
80-90	93.3	1.9%
90-110	0.0	9.7%
90-120	0.0	19.6%
90-130	0.0	28.6%
90-150	0.0	40.2%
90-180	0.0	46.1%
110-180	0.0	36.4%
0-180	3,917.6	100.0%

Polar Curve

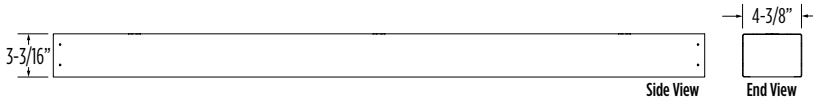
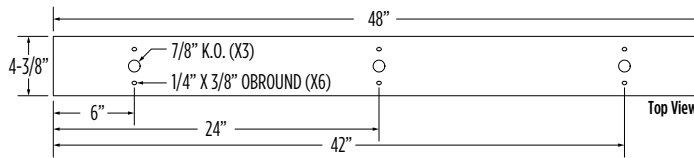


PRODUCT DIMENSIONS

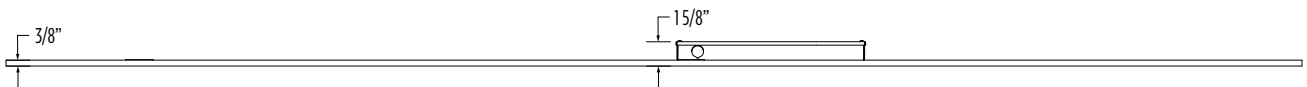
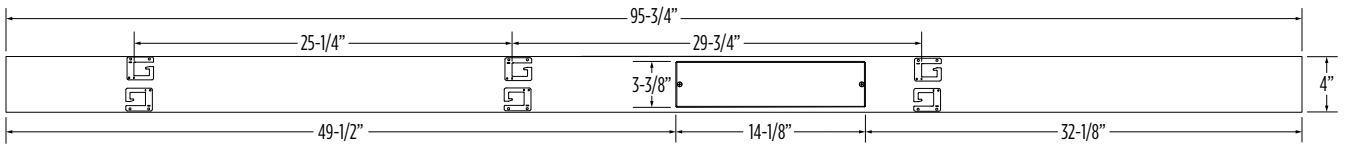
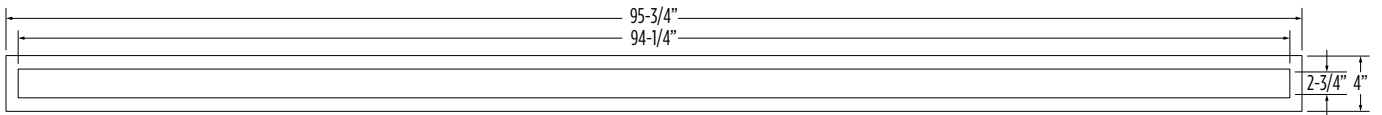
ALN 4



ALN SM 4



ALN 8



ALN SM 8

