



Commercial Linear

2' | 4' | 6' | 8'

PROJECT INFORMATION

JOB NAME	
FIXTURE TYPE	Commercial Linear
CATALOG NUMBER	ALN
APPROVED BY	

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 overtemperature 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.)

Listings:

- Luminaire is certified to UL/cUL Standards for Damp Locations
- Complies with Trade Agreements Act (TAA) requirements
- DesignLights Consortium qualified luminaire, eligible for rebates from DLC member utilities. *See chart on next page for qualifying products.*

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 highend 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:

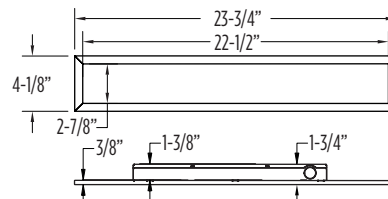
- Ideal for shallow plenum applications
- Easy access to wiring box for quick installation

Warranty: Five-year limited warranty

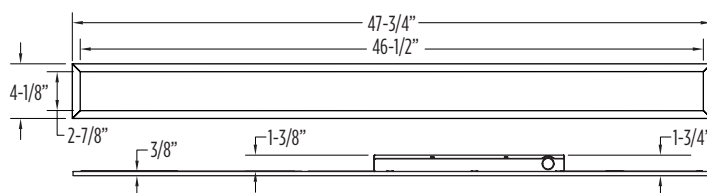


DIMENSIONS

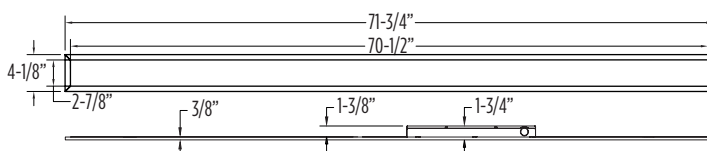
2' Weight: 2.5 lbs.



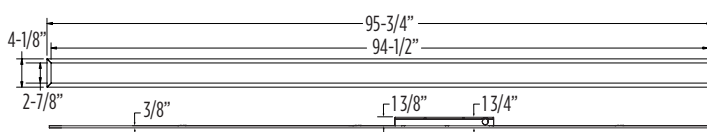
4' Weight: 3.5 lbs.



6' Weight: 6.5 lbs.



8' Weight: 8.5 lbs.



Rebates and Incentives are available in many areas.
Contact an Atlas Representative for more information.



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ORDERING INFORMATION

ALN		8	FS1		UNC			
PRODUCT SERIES	MOUNTING	FIXTURE LENGTH	LUMEN PACKAGE	POSITION	VOLTAGE	FINISH	CONTROLS	OPTIONS
ALN = Linear	Blank = Recessed SM = Surface Mount ¹	2 = 2 Feet 4 = 4 Feet 6 = 6 Feet 8 = 8 Feet	FS1 = 600 - 800 - 1,000lm/ft.	Blank = Individual or Recessed mounting.	UNC = 120-347VAC	Blank = Matte White	Blank = None ALBC = Integral AirLink Blue (Silvair) Controller	EM10 = 10W Battery Backup
	¹ Not available in 2ft or 6ft							

ACCESSORIES

PART #	ORDER #	DESCRIPTION	NOTES
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.



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PERFORMANCE DATA

LUMEN PACKAGE	FIXTURE LENGTH	CRI	3000K CCT		4000K CCT		5000K CCT		WATTAGE
			DELIVERED LUMENS	EFFICACY (LPW)	DELIVERED LUMENS	EFFICACY (LPW)	DELIVERED LUMENS	EFFICACY (LPW)	
ALN 2 FS1	2'	80	1,265	115	1,286	116	1,310	119	11
			1,733	116	1,762	118	1,795	120	15
			2,159	117	2,195	119	2,237	121	19
ALN 4 FS1	4'	80	2,490	117	2,531	120	2,579	122	21
			3,410	118	3,347	115	3,293	114	29
			4,089	117	4,013	114	4,089	117	35
ALN 6 FS1	6'	80	4,121	128	4,189	131	4,268	133	32
			5,398	131	5,487	133	5,591	135	41
			6,944	131	7,058	133	7,192	135	53
ALN 8 FS1	8'	80	5,560	125	5,652	127	5,759	129	45
			7,302	126	7,422	128	7,563	130	58
			8,880	123	9,026	126	9,197	128	72

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
	15	0.13	0.07	0.06	0.05	0.04
	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
	29	0.24	0.14	0.12	0.10	0.08
	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
	41	0.34	0.20	0.17	0.15	0.12
	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
	58	0.48	0.28	0.24	0.21	0.17
	72	0.60	0.35	0.30	0.26	0.21

LUMEN MAINTENANCE²

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).