

Albeo™ LED Luminaire

LED Linear Industrial Lighting
(ALV2 - Series)



Project name _____
Date _____
Type _____

Product Description:

The Albeo™ ALV2-series LED luminaire is an energy-efficient, low maintenance alternative to traditional fluorescent in a variety of commercial, low bay lighting applications. The ALV2-series offers customers the best mix of value and performance.

Performance Highlights:

Light Output Range: 2,000 – 16,000 lumens

CRI: 80 CRI Standard (90CRI Refer to factory for lead-time)

CCT: 3000K, 3500K, 4000K, 5000K

Distributions: 120° diffused lens

Input Voltage: 120V-277V, 347V, & 480V

Efficiency: Up to 160 LPW

Fixture Rated: L70 @ 100,000 hours minimum @ 45°C

Limited Warranty: 5 Years

Temperature Rating: -30°C to +45°C (-22°F to 113° F)

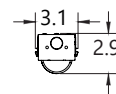
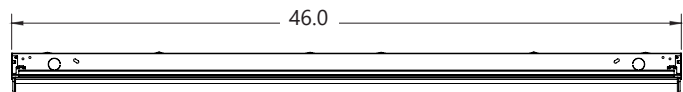
Controls & Sensors: 0-10V standard, Motion & daylight sensor options. Wireless ZigBee Daintree compliant options.

Product Images:

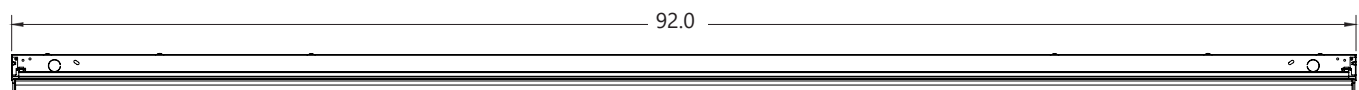


Product Dimensions:

4 Ft.



8 Ft.



Certifications:



GE current
a Daintree company

Ordering Number Logic

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ALV2

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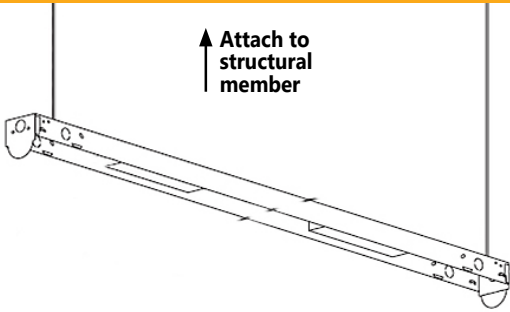
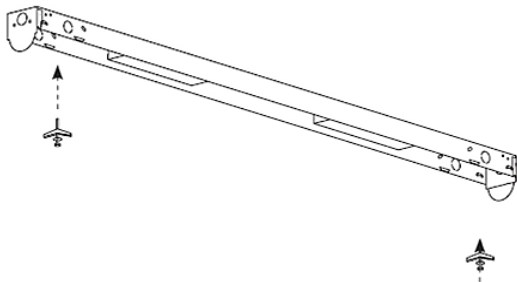
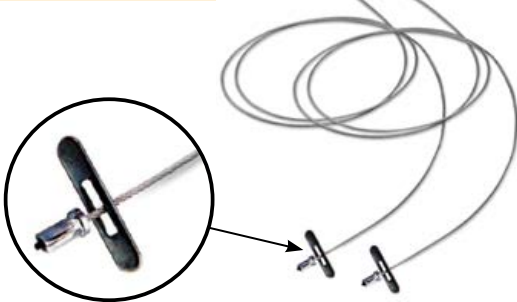
PRODUCT ID	VOLTAGE	FIXTURE LENGTH	LUMEN OUTPUT	DRIVE CURRENT	LED COLOR TEMP	OPTICS BEAM	FIXTURE TYPE	SENSOR/ WIRELESS	CONTROL WIRING	EMERGENCY	MOUNTING	CORD	PLUG	FINISH	OPTIONS
A = Albeo	0 = 120-277V	4T = 4 ft	02 = 2,000	T = Standard Efficiency	80 Plus CRI	Diffused Lens:	S = Stand Alone	Q = None	Q = None/ No External Control Wiring	Q = None	ST = Standard	K = Knockout	Q = None	W =	Blank =
L = Linear	1 = 120V*		03 = 3,000		38 = 3000K	Maximum Glare Reduction	C = Continuous Run	A = Occ Sense	E = Battery Backup	E = Battery Backup	51 = Cable/ Toggle 5 ft.	A = 6 ft.	A = 15A Straight Plug	White Powder Coat	No Special Options
V = Value Series	4 = 277V*		04 = 4,000		C8 = 3500K		Note: For Continuous Runs, Starter Kit 93095878 must be ordered for each run.	B = Occ Sense	V = External 0-10V Control Wires	Note: Battery Backup not available at 347/480V	52 = Cable/ Toggle 10 ft.	B = 12 ft.	B = 20A Straight Plug		1PK =
	5 = 480V*		05 = 5,000		48 = 4000K			P = Daylight Sense w/Occupancy	Note: V option not available with dimming and ZigBee sensors		53 = Cable/ Toggle 15 ft.	18ga cord	C = 15A Twistlock Plug		Single Pack (for dist. Stocking. Default is job pack not 1PK)
	D = 347V*		06 = 6,000		58 = 5000K	1D = 120° Diffused Lens		S = Daylight Sense w/Occupancy					D = 20A Twistlock Plug		
2 = LED Generation	*Specify single voltage if plug, sensor, or wireless needed.	8T = 8 ft	04 = 4,000 06 = 6,000 08 = 8,000 10 = 10,000 12 = 12,000 16 = 16,000		90 Plus CRI 39 = 3000K C9 = 3500K 49 = 4000K 59 = 5000K			W = Bi-level dimming/ Stairwell setting sensor							
								Full Featured							
								1 = 20' Motion Sensor FSP221 w/Daylight & High-Low Dimming							
								2 = 40' Motion Sensor FSP221 w/Daylight & High-Low Dimming (requires remote to modify default settings sold separately)							
								ZigBeeWireless Daintree™							
								4 = ZigBee Wireless Daintree™ Enabled w/Motion Sensor							
								T = ZigBee Wireless Daintree™ Enabled (no sensor)							



80 CRI @ 5000K CCT					
FIXTURE LENGTH	OUTPUT LUMENS	TYPICAL DELIVERED LUMENS	TYPICAL POWER		TYPICAL LPW
			120-277	340-480	120-277
4 ft	2,000	2,000	14	16	143
4 ft	3,000	3,000	20	22	150
4 ft	4,000	4,000	26	29	154
4 ft	5,000	4,900	33	36	148
4 ft	6,000	5,900	41	44	144
4 ft	8,000	7,700	59	67	131
8 ft	4,000	4,000	25	28	160
8 ft	6,000	6,000	38	41	158
8 ft	8,000	7,900	52	60	152
8 ft	10,000	9,800	67	75	146
8 ft	12,000	11,700	83	91	141
8 ft	16,000	15,600	119	129	131

CRI	CCT	T OUTPUT
80	5000K	100%
	4000K	98%
	3500K	97%
	3000K	93%
90	5000K	89%
	4000K	85%
	3500K	83%
	3000K	81%

Mounting & Accessories

MOUNTING OPTIONS	IMAGE	ORDER LOGIC CODE
Standard Chain/Cable Mount Available on all fixture configurations (chain not included). Cable w/ hook can be ordered as an accessory.		ST = Standard
Surface Mount (optional) Available on all fixture configurations. Standard mounting option is surface mount ready.		ST = Standard
Cable with toggle (optional) Order separately. 5 ft., 10 ft., 15 ft., 20 ft. lengths available.		51 = Cable/Toggle 5 ft. - Pair 52 = Cable/Toggle 10 ft. - Pair 53 = Cable/Toggle 15 ft. - Pair 54 = Cable/ Toggle 20 ft. - Pair Max Load 200 lbs. Per Pair

See "Installation Instructions" for mounting details.

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LED & Optical Assembly

CRI: 80 Standard (90 contact factory for lead-time)

Rated Lumen Depreciation: L70 @ 100,000 hrs

TM-21 Calculation at 25°C: L90 @ 100,000 hrs*

*L85 @ 100,000 hrs for 4T10 and 8T20 configurations

Distribution/Lenses:

Precision lens system provides optimized illumination for open floor plan

120° w/diffused lens standard

Wire Guard Option: White painted wire guard for added protection. Easy field installation.

Electrical

Input Voltage: 120-277V, 347V or 480V

Input Frequency: 50/60Hz

Output Frequency/Flicker Rate: NEMA 77

System Power Factor (PF): >0.9*

Total Harmonic Distortion (THD): <20%*

LED Driver Type: Class 2, 3kV surge protection

EMI: FCC CFR Title 47 Part 15, Class A

* PF and THD may vary with options

Ratings & Evaluations

Operating Temperature: -30°C to +45°C (-22°F to 113°F)

Storage Temperature: -40°C to +70°C

Surge Protection: 3kV driver surge protection

Location: UL 1598 Suitable for Damp Locations

Safety: UL/cUL Listed (UL/cUL)

Environmental: RoHS compliant



DLC Premium qualified models available
Please refer to <http://www.designlights.org/QPL>
for complete information

Construction & Finish

Housing: Steel body

Lensing: Polycarbonate diffused

Paint: White Prepaint

No glass in housing or lenses

Weight: 4 ft. - 11lbs max; 8 ft. - 19lbs max

Controls

Standard Dimming: 0-10VDC

Minimum Dimming: Dim down to 10%

Wireless Networking & Sensing:

ZigBee Wireless Daintree with Occ Sensor – Sensor 4

ZigBee Wireless Daintree with No Sensor – Sensor T

Wattstopper FSP Series Motion + daylight + IR config (IR remote sold separately) – Sensor 2

Wattstopper FSP remote = SKU# 93076263

Sensor Switch LSXR Series - Sensor A, B, P, or S

LSXR Aisle Sensor Optic = SKU# SWI0110

Stairwell Applications: Sensor W = Bi-level dimming dims to 25% with low traffic and then to off for maximum energy savings. Compatible with EMBB.

Mounting

Typical Mounting: Standard Chain/Cable or Surface mount ready.

Cord & Plugs:

Standard = knockout access (no cord, no plug)

6 ft. 18-3 - Cord A

12 ft. 18-3 - Cord B

15A, 20A, Straight or twist lock plug – Plug A,B,C, or D

Accessories, Options & Packaging

Emergency Battery: Integral EM battery option provides 90-minutes of emergency lighting. Design lumen output: 2000lm at 5000K 80CRI.

Packaging: Standard packaging is job pack / bulk pack consisting of 1 to 4 fixtures per package reducing unpack time at the jobsite.

Single Pack (for stocking) – Option 1PK

Wire guards: White painted wire guard for added protection. Easy field installation. SKU# 93095697
Two kits needed for 8ft fixtures

Continuous Run: One starter kit needed per run. SKU# 93095878. Each kit includes endcaps, starter whip, and male/female orientation adapter.

Design Life & Warranty

- **Reliability Testing:** Components and/or systems evaluation at extreme conditions and monitored during production.
- **System Warranty:** 5 Year

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