



CUSTOMER NAME _____

Project Name _____

Date _____

Type _____

Catalog Number _____

Albeo® ALV3 Series

LED Linear Industrial Low Bay

The **Albeo® ALV series** Gen 3 LED luminaire is an energy-efficient, cost effective linear led "strip" fixture for a variety of commercial/industrial, low bay and stairwell applications. This product can be matched with Daintree® motion, daylight and wireless controls from stand alone operation, zone based control or fully networked solutions for increased energy savings. ALV3 is designed for total cost of ownership over the product lifetime. From tool-less entry, plug-in continuous run links, ALV3 installs quickly and easily with no surprises.

CONSTRUCTION

Housing:	Steel body
Lens:	Polycarbonate diffused, acrylic diffused
Paint:	High reflectance baked enamel. Five stage phosphate bonding process pre-treatment
Weight:	4 ft. - 11lbs max; 8 ft. - 19lbs max

PERFORMANCE

Lumens	1500-16000
Distribution	120° Wide lens & 60° Narrow Lens
Efficacy:	Up to 151 LPW
CCT:	3000K, 3500K, 4000K, 5000K
CRI:	80 or 90 CRI

ELECTRICAL

Input Voltage:	120-277V, 347V
Input Frequency:	50/60 Hz
Power Factor (PF)*:	>95%*
Total Harmonic Distortion (THD)*:	<10*
EMI:	FCC CFR Title 47 Part 15, Class A
LED Driver Type:	Class 2, 2.5kV surge protection

* PF and THD may vary with options

CONTROLS

Sensors:	High-end trim, occupancy and ambient light detection with dimming available. Wireless Daintree® options available.
DLC 5.1 LLLC:	Integrated/embedded networked lighting control, luminaire-level lighting control (LLLC)

LUMINAIRE AMBIENT TEMPERATURE

TYPE	TEMPERATURE RATE
OPERATING TEMPERATURE	-30°C to +40°C (-22°F to 104°F) ; With EM: 0°C min, 25°C max. (32F min, 77F max)
STORAGE TEMPERATURE	-40°C to +70°C (-40°F to 158°F)

LUMEN MAINTENANCE

LXX(10K) @ Hours
60,000 HR
L80
TM-21 Calculation at 25°C: L80 @ 60,000 hrs

ADDITIONAL FEATURES

- **Typical Mounting:** Standard Chain/Cable or Surface mount ready
- **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

DESIGN LIFE & WARRANTY

- **Reliability Testing:** Components and/or systems evaluation at extreme conditions and monitored during production.
- Please refer to the DLC QPL website for the latest and most complete information: <http://www.designlights.org/QPL>
- UL 1598 Suitable for Damp Locations
- **Current's Limited 5-year Warranty:**
See Product Warranties section at led.com/resources

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ORDERING INFORMATION:

ALV3

T

ST

W

PRODUCT ID	VOLTAGE	FIXTURE LENGTH	LUMEN OUTPUT	PERFORMANCE LEVEL	LED COLOR TEMP	OPTICS BEAM	FIXTURE TYPE	CONTROLS	EMERGENCY	MOUNTING	CORD	PLUG	FINISH	OPTIONS
ALV3 = Albeo Linear ALV Series 3 rd Gen	0 = 120-277 1 = 120 4 = 277 D = 347	2T = 2 ft	01 = 1,500	T = Standard Efficiency	80 Plus CRI 38 = 3000K C8 = 3500K 48 = 4000K 58 = 5000K 90 Plus CRI 39 = 3000K C9 = 3500K 49 = 4000K 59 = 5000K	CN = Curved Frosted Acrylic Narrow CW = Curved Frosted Acrylic Wide PW = Curved Frosted Polycarbonate Wide NL = No Lens	SA = Stand Alone CE = Continuous End CM ¹⁰ = Continuous Middle Note = For Continuous Runs, 1 Curve Continuous Row Kit is needed for every joint	QQ = No Sensor/Non Dimming QV = No Sensor / 0-10V Dimming Wires QD = No Sensor/0-10V Dimming Wires 1% QA ^{4,8} = Occ Sensor On/Off Dimming 360°LSXR QB ^{4,8} = Occ Sensor High-Low Dimming 360°LSXR QP ^{4,8} = Daylight Sense W/Occ On/Off LSXR QS ^{4,8} = Daylight Sensor W/Occ High-Low Dimming 360°LSXR QW ^{4,8} = Bi-Level Dimming/Stairwell Setting Sensor Full Featured Q1 ^{4,8} = 20' Motion Sensor FSP221 W/Daylight & High/Low Dimming Q2 ^{4,8} = 40' Motion Sensor FSP221 W/Daylight & High/Low Dimming (Requires remote to modify default settings sold separately) Daintree® EZ Connect¹: DF ^{2,8} = Occupancy & Ambient light sensor w/ Continuous Dimming Daintree® One: FB ^{2,8} = Occupancy & Ambient Light Sensor with Continuous Dimming Daintree® Networked: NA ^{2,8} = Occupancy & Ambient Light Sensor, w/ Continuous Dimming (full feature) TQ ^{1,2} = Wireless Daintree® Enabled (no sensor)	Q = None E ^{1,2} = 10W Battery Backup 2 ^{1,2} = 2-Hour Run Time 10W Battery Backup Note = Battery Backup not available on 2ft versions or any length at 347/480V	ST = Standard	K = Knockout A ^{4,9} = 6ft. 18ga cord B ^{4,9} = 12ft. 18ga cord	Q = None A ^{1,2,5,9} = 15A Straight Plug B ^{4,9} = 20A Straight Plug C ^{2,5,9} = 15A Twistlock Plug D ^{4,5,9} = 20A Twistlock Plug	W = White	Blank = No Special Options DB ^{2,5,5,8} = Dimming Bypass Module GT ^{1,2,5,7} = Generator Transfer Device FF = Fast Blow Fuse
			02 = 2,500											
			03 = 3,500											
		4T = 4 ft	02 = 2,000											
			03 = 3,000											
			04 = 4,000											
		8T = 8 ft	05 = 5,000											
			06 = 6,000											
			08 = 8,000											
			11 = 11,000											
			13 = 13,000											
			16 = 16,000											

80 CRI @ 5000K CCT					
FIXTURE LENGTH	OUTPUT LUMENS	TYPICAL DELIVERED LUMENS*	TYPICAL POWER		TYPICAL LPW 120-277V
			120-277V	347/480V	
2ft	1500	1653	12	13	140
2ft	2500	2529	19	20	135
2ft	3500	3381	26	27	132
4ft	2000	2020	14	15	143
4ft	3000	3014	22	23	138
4ft	4000	4003	27	28	151
4ft	5000	5133	35	36	148
4ft	6000	6471	45	46	143
4ft	8000	8019	54	55	147
8ft	5000	5037	35	36	143
8ft	6000	6031	43	44	140
8ft	7000	7038	48	49	148
8ft	8000	8034	56	57	145
8ft	11000	10968	79	80	138
8ft	13000	12934	91	92	142
8ft	16000	16061	115	116	140

* Based on Acrylic Curved Lens (CW) and 4000K

CRI	CCT	Adjustment Factor	Lens	Adjustment Factor
80 CRI	5000K	1.00	CW	1.00
	4000K	1.00	CN	0.98
	3500K	0.99	PW	0.91
90 CRI	3000K	0.93	NL	1.08
	5000K	0.85		
	4000K	0.85		
	3500K	0.84		
	3000K	0.79		

ORDERING NOTES:

1. Not Available on 2ft length (2T)
2. Not Available on 347V
3. QA or QP not available with DB
4. Single Voltage (1, 4 or D) needs to be specified
5. Not Available with Emergency Battery Backup (E or 2)
6. Not Available with Plug (A, B, C or D)
7. Only Available with Controls (QQ)
8. Minimum Ambient Temperature 0C (32F)
9. Only available with Stand Alone Fixture Type (SA)
10. Only Controls QQ, QV, QD, TQ Available with Continuous Middle Fixture Type (CM)



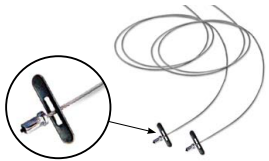



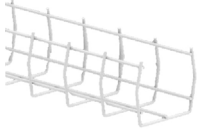
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MOUNTING ACCESSORY OPTIONS (ORDER SEPARATELY)

MOUNTING OPTIONS	IMAGE	ORDER LOGIC CODE
Canopy with Stem		CS18 = Canopy with 18" Stem
Canopy with Swivel Stem		CSS18 = Canopy with 18" Swivel Stem
Cable with Toggle 5ft., 10ft, 15ft, and 20ft lengths available		PRT0202 = Cable/Toggle 5ft. - Pair PRT0203 = Cable/Toggle 10 ft. - Pair PRT0204 = Cable/Toggle 15 ft. - Pair PRT0205 = Cable/Toggle 20 ft. - Pair Max Load 200 lbs. Per Pair
Chain Hanger		CH14 = Chain Hanger/Hooks 14" Length
Tong Hanger		ALVTH = Slide Tong Hanger
Continuous Row Kit		CRCALV3 = Continuous Row Bracket & Curved Lens Joiner
Wire Guards		WG2ALV3 = 2ft Wire Guard WG4ALV3 = 4ft Wire Guard



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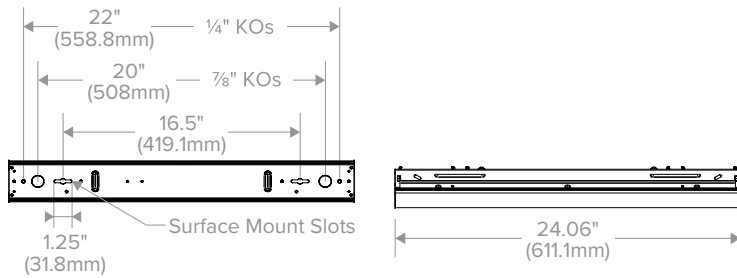
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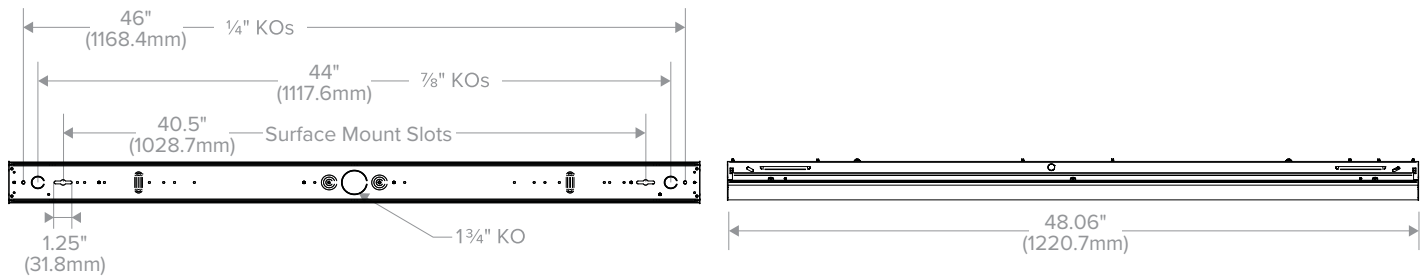
Catalog Number _____

DIMENSIONS

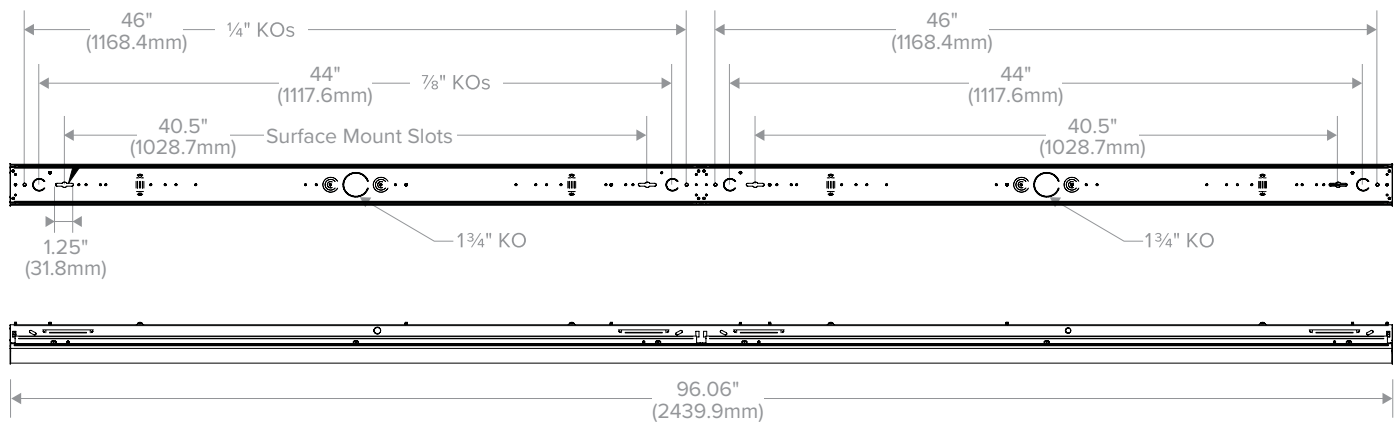
2Ft.



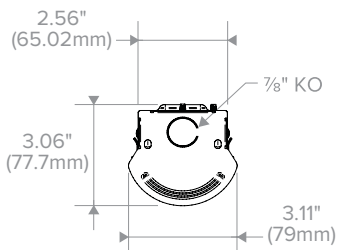
4Ft.



8Ft.



End View



PHOTOMETRIC DATA

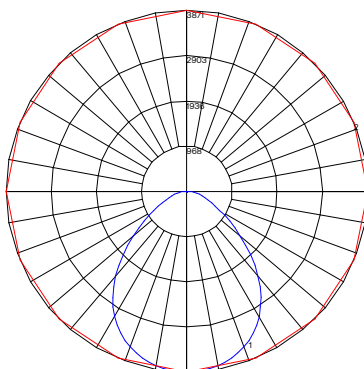
ALV3 4ft with Frosted Acrylic, Narrow Lens

80 CRI

3000K

7389 LM

ALV304T08T38CN



ZONE	LUMENS	% OF FIXTURE
0-30	2466.35	33.4
0-40	3734.66	50.5
0-60	5634.47	76.3
0-90	6915.95	93.6
0-180	7388.65	100

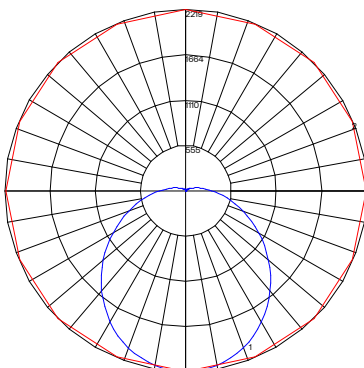
ALV3 4ft with Frosted Acrylic, Wide

80 CRI

3000K

7473 LM

ALV304T08T38CW



ZONE	LUMENS	% OF FIXTURE
0-30	1709.44	22.9
0-40	2793.82	37.4
0-60	4975.94	66.6
0-90	6929.13	92.7
0-180	7472.59	100

DAINTREE® CONTROLS

• Daintree® Wireless Controls:

There is no one size fits all for wireless controls. Some networks want simple solutions that reduce energy consumption and meet code compliance while others are more ambitious, looking to capitalize on the LED and controls savings to fund a scalable, enterprise-grade, internet of things solution. The advantage of the Daintree® Wireless Controls provide the infrastructure to future proof your buildings, easily upgrade to Networked solutions and provide the ability to integrate into IoT solutions that are right for your business.

- **Daintree® One:** Standalone Wireless Controls
- **Daintree® EZ Connect:** Room-Based Wireless Lighting Controls
- **Daintree® Networked:** Networked Lighting Controls for Smart Building & IoT Enablement

Daintree® Wireless Controls are already integrated in your favorite Current LED fixtures. Integrating the controls into the fixture cuts labor costs considerably since the sensors are already embedded in the lighting fixtures. There's no need to get above the ceiling plenum and install additional devices. Visit our website <https://products.gecurrent.com> for a complete list of LED fixtures

- **DLC 5.1 LLLC:** Integrated/embedded networked lighting control, luminaire-level lighting control (LLLC)
 When deployed in an EZ Connect application the sensor is designed for persistent lighting control as stand-alone in case of a wireless network communication failure.