ALBEO

ALC6 Series
LED Linear Industrial Low Bay

The **Albeo® ALC6** Series is an efficient alternative to less decorative linear fixtures for a variety of commercial and industrial lighting uses. The sleek, extruded design is also attractive for retail and commercial settings as well. ALC6 can be matched with Daintree® controls. Designed to meet recommended luminance and illuminance requirements for low bay and task level lighting applications, a wide diffuser option is available for parking garage & general lighting applications as well.

Construction

Housing:	Aluminum extruded body
Lens:	Polycarbonate diffused, acrylic clear
Paint:	Powder coat post painted *No glass in housing or lenses*
Weight:	4 ft. - 11lbs max; 8 ft. - 19lbs max

Optical System

Lumens:	2000–20000
Distribution:	120° Diffused Lens & 160° Wide Clear Lens
Efficacy:	Up to 160 LPW
CCT:	3000K, 3500K, 4000K, 5000K
CRI:	80 CRI Standard (90CRI Contact factory for lead-times)

Electrical

Input Voltage:	120–277 V, 347 V, & 480 V
Input Frequency:	50/60Hz
Power Factor (PF)*:	>90%*
Total Harmonic Distortion (THD)*:	<20%*
EMI:	FCC CFR Title 47 Part 15, Class A
LED Driver Type:	Class 2, 3kV 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)

Ambient Temperature

TYPE	TEMPERATURE RATE
OPERATING TEMPERATURE	−30°C to +50°C (−22°F to 122° F)
STORAGE TEMPERATURE	−40°C to +70°C (−40°F to 158° F)

Lumen Maintenance

LXX(10K) @ Hours 100,000 HR
L70
TM-21 Calculation at 25°C: L90 @ 100,000 hrs

Mounting

- **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
- RoHS compliant
- **Current's Limited 5-year Warranty:** See website.

Daintree WIRELESS CONTROLS · 5 YEAR WARRANTY · DLC LISTED · UL CERTIFIED

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Ordering Information

| ALC6 | | | | T | | | | | | | | W | |

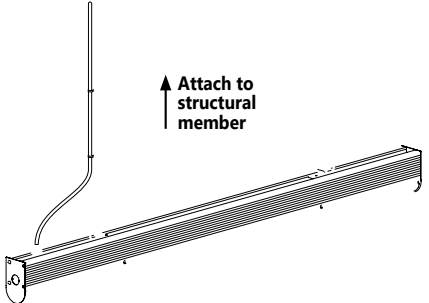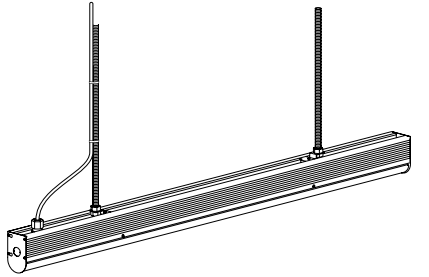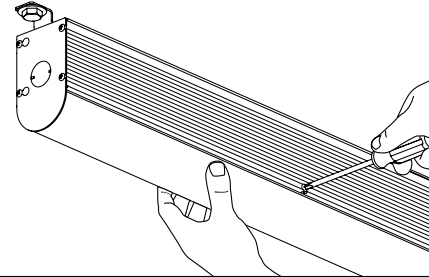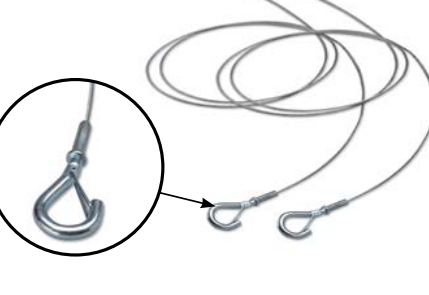| PRODUCT ID	VOLTAGE	FIXTURE LENGTH	LUMEN OUTPUT	PERFORMANCE LEVEL	LED COLOR TEMP	OPTICS BEAM	FIXTURE TYPE	SENSOR/WIRELESS	EMERGENCY	MOUNTING	CORD	PLUG	FINISH	OPTIONS
ALC6 = Albeo Linear ALC Series 6th Gen	**0** = 120–277 **1** = 120* **4** = 277* **D** = 347* **5** = 480* *Identify which specific sensors need single voltage. Single voltage sensors are (A, B, P, W, 1, 2). Any voltage is compatible with sensors (DF, FB, NA, TQ)*	**4T** = 4 ft **8T** = 8 ft	**02** = 2,000 **03** = 3,000 **04** = 4,000 **05** = 5,000 **06** = 6,000 **08** = 8,000 **10** = 10,000 **04** = 4,000 **06** = 6,000 **08** = 8,000 **10** = 10,000 **12** = 12,000 **16** = 16,000 **20** = 20,000	**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	**Diffused Lens** = Maximum Glare Reduction **1D** = 120° Diffused Lens **WC** = Wide Clear 160° Parking Garage Optic	**S¹** = Stand Alone **C¹** = Continuous Runs **Note** = For Continuous Runs, Starter Kit 93094637 must be ordered for each run.	**QQ** = Dimming leads not externally accessible **QV** = 0-10V Dimming **Daintree® Networked;** **NA** = Occupancy & Ambient Light Sensor, w/ Continuous Dimming (full feature) **TQ** = Wireless Daintree® Enabled (no sensor) **Daintree® EZ Connect:** **DF** = Occupancy & Ambient light sensor w/ Continuous Dimming **Daintree® One:** **FB** = Occupancy & Ambient Light Sensor with Continuous Dimming **3rd Party Options** **QA** = Occupancy Sensor, ON/Off 360° LSXR, No External Wiring **QB** = Occupancy Sensor Continuous Dimming 360° LSXR **QP** = Daylight Sensor w/ occupancy ON/Off LSXR, No External Wiring, Full Featured **QW** = Bi-Level Dimming Stairwell Setting Sensor	**Q** = None **E** = Battery Backup **Note** = Battery Backup not available at 347/480V	**ST** = Standard **51** = Cable/ Tongle 5ft. **52** = Cable/ Tongle 10ft. **53** = Cable/ Tongle 15ft.	**K** = Knockout **A** = 6ft. 18ga cord **B** = 12ft. 18ga cord	**Q** = None **A** = 15A Straight Plug **B** = 20A Straight Plug **C** = 15A Twistlock Plug **D** = 20A Twistlock Plug	**W** = White Powder Coat	**Blank** = No Special Options **1PK** = Single Pack (For distributor stocking. Default is job pack not 1PK).

ORDERING NOTES:

1. DF, FB, and NA only available for Stand Alone fixture type. For Continuous Row fixture type, QQ or QV sensor and control wiring is available, or TQ wireless sensor

80 CRI @ 5000K CCT

FIXTURE LENGTH	OUTPUT LUMENS	TYPICAL DELIVERED LUMENS	TYPICAL POWER		TYPICAL LPW 120–277V
			120–277V	347/480V	
4 ft	2,000	2,000	14	16	143
4 ft	3,000	3,000	20	22	150
4 ft	4,000	4,000	27	29	148
4 ft	5,000	4,900	34	36	144
4 ft	6,000	5,900	42	44	140
4 ft	8,000	7,800	59	67	132
4 ft	10,000	9,600	80	87	120
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	9,900	67	75	148
8 ft	12,000	11,800	83	91	142
8 ft	16,000	15,600	118	129	132
8 ft	20,000	19,200	159	173	121

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

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 job site. 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# 93094637. Each kit includes endcaps, starter whip, and male/female orientation adapter.

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Mounting and Accessory Options

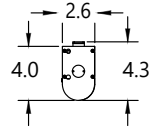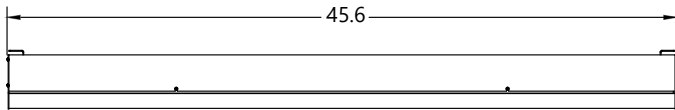| MOUNTING OPTIONS	IMAGE	ORDER LOGIC CODE
Standard Chain/Cable Mount Available on all fixture configurations (chain not included). Cable w/ hook can be ordered as an accessory.	Attach to structural member	**ST** = Standard
Rod Mount (Optional) Available with all fixture configurations. Standard mounting option is rod mount ready. Attaches to ½" threaded rod (rod and nuts not included)		**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., lengths available.		**51** = Cable/Toggle 5 ft. – Pair **52** = Cable/Toggle 10 ft. – Pair **53** = Cable/Toggle 15 ft. – Pair Max Load 200 lbs. Per Pair

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Product Dimensions

4 Ft.

45.6

2.6

4.0   4.3

8 Ft.

90.7