

# Albeo® ALC6 Series

## LED Linear Industrial Low Bay



CUSTOMER NAME \_\_\_\_\_

Project Name \_\_\_\_\_

Date \_\_\_\_\_ Type \_\_\_\_\_

Catalog Number \_\_\_\_\_

The **Albeo® ALC6 Series** LED luminaire is an efficient alternative to less decorative linear fixtures for a variety of commercial/industrial, low bay, stairwell garage lighting uses. While ideal for industrial applications, the sleek, attractive extruded design is attractive for retail and commercial settings too! ALC6 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. 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

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

### PERFORMANCE

|                      |                                                           |
|----------------------|-----------------------------------------------------------|
| <b>Distribution:</b> | 120° Diffused Lens & 160° Wide Clear Lens                 |
| <b>Lumens:</b>       | 2,000–20,000 lumens                                       |
| <b>Efficacy:</b>     | Up to 160 LPW                                             |
| <b>CCT:</b>          | 3000K, 3500K, 4000K, 5000K                                |
| <b>CRI:</b>          | 80 CRI Standard<br>(90CRI Contact factory for lead-times) |

### ELECTRICAL

|                                          |                                   |
|------------------------------------------|-----------------------------------|
| <b>Input Voltage:</b>                    | 120–277V, 347V, or 480V           |
| <b>Input Frequency:</b>                  | 50/60 Hz                          |
| <b>LED Driver Type:</b>                  | Class 2, 3kV surge protection     |
| <b>Power Factor (PF)*:</b>               | >0.9*                             |
| <b>Total Harmonic Distortion (THD)*:</b> | <20%*                             |
| <b>EMI:</b>                              | FCC CFR Title 47 Part 15, Class A |

\* PF and THD may vary with options

### CONTROLS

|                                |                                                                                                                           |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Standard Dimming:</b>       | 0–10VDC                                                                                                                   |
| <b>Minimum Dimming:</b>        | Dim down to 10%                                                                                                           |
| <b>Stairwell Applications:</b> | Sensor W = Bi-level dimming<br>Dims to 25% with low traffic and then to off for max energy savings. Compatible with EMBB. |

### LUMINAIRE AMBIENT TEMPERATURE

| TYPE                         | TEMPERATURE RATE                |
|------------------------------|---------------------------------|
| <b>OPERATING TEMPERATURE</b> | –30°C to +50°C (–22°F to 122°F) |
| <b>STORAGE TEMPERATURE</b>   | –40°C to +70°C (–40°F to 158°F) |

### LUMEN MAINTENANCE

|                                              |
|----------------------------------------------|
| <b>LXX(10K) @ Hours</b><br>100,000 HR        |
| <b>L70</b>                                   |
| TM-21 Calculation at 25°C: L90 @ 100,000 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
- RoHS compliant
- **Current's Limited 5-year Warranty:**  
Please refer to document [ALB048](#) for more information.

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### Catalog Logic and Accessories

#### CUSTOMER NAME

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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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | CONTROL WIRING                                                                                                                             | EMERGENCY                                                                         | MOUNTING                                                                                      | CORD                                                      | PLUG                                                                                                           | FINISH                | OPTIONS                                                                                                  |
|----------------------------------------|-------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------|
| ALC6 = Albeo Linear ALC Series 6th Gen | 0 = 120–277<br>1 = 120*<br>4 = 277*<br>D = 347*<br>5 = 480* | 4T = 4 ft      | 02 = 2,000<br>03 = 3,000<br>04 = 4,000<br>05 = 5,000<br>06 = 6,000<br>08 = 8,000<br>10 = 10,000    | T = Standard Efficiency | 80 Plus CRI<br>38 = 3000K<br>C8 = 3500K<br>48 = 4000K<br>58 = 5000K<br>90 Plus CRI<br>39 = 3000K<br>C9 = 3500K<br>49 = 4000K<br>59 = 5000K | Diffused Lens = Maximum Glare Reduction<br>1D = 120° Diffused Lens<br>WC = Wide Clear 160° Parking Garage Optic | S = Stand Alone<br>C = Continuous Runs<br>Note = For Continuous Runs, Starter Kit 93094637 must be ordered for each run. | Q = None<br>A = Occ Sense On/Off 360° LSXR<br>B = Occ Sense High-Low Dimming 360° LSXR<br>P = Daylight Sense W/ Occupancy On/Off LSXR<br>W = Bi-Level Dimming/ Stairwell Setting Sensor<br><br>Full Featured<br>1 = 20' Motion Sensor FSP221 W/Daylight & High/Low Dimming<br>2 = 40' Motion Sensor FSP221 W/Daylight & High/Low Dimming (Requires remote to modify default settings sold separately)<br><br>Daintree® EZ Connect:<br>DF = Occupancy & Ambient light sensor w/ Continuous Dimming<br><br>Daintree® One:<br>FB = Occupancy & Ambient Light Sensor with Continuous Dimming<br><br>Daintree® Networked:<br>NA = Occupancy & Ambient Light Sensor, w/ Continuous Dimming (full feature)<br>TQ¹ = Wireless Daintree® Enabled (no sensor) | Q = None/<br>No External Control Wiring<br>V = External 0–10V Control Wires<br>Note = V option not available with dimming & ZigBee sensors | Q = None<br>E = Battery Backup<br>Note = Battery Backup not available at 347/480V | ST = Standard<br>51 = Cable/Tongle 5ft.<br>52 = Cable/Tongle 10ft.<br>53 = Cable/Tongle 15ft. | K = Knockout<br>A = 6ft. 18ga cord<br>B = 12ft. 18ga cord | Q = None<br>A = 15A Straight Plug<br>B = 20A Straight Plug<br>C = 15A Twistlock Plug<br>D = 20A Twistlock Plug | W = White Powder Coat | Blank = No Special Options<br>1PK = Single Pack (For distributor stocking. Default is job pack not 1PK). |
|                                        |                                                             | 8T = 8 ft      | 04 = 4,000<br>06 = 6,000<br>08 = 8,000<br>10 = 10,000<br>12 = 12,000<br>16 = 16,000<br>20 = 20,000 |                         |                                                                                                                                            |                                                                                                                 |                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                            |                                                                                   |                                                                                               |                                                           |                                                                                                                |                       |                                                                                                          |
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#### ORDERING NOTES:

1. DF, FB, and NA only available for Stand Alone fixture type.

| 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                  |

| 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# 93095878. Each kit includes endcaps, starter whip, and male/female orientation adapter.                                   |

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

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LED Linear Industrial Low bay

*Dimensions*

CUSTOMER NAME \_\_\_\_\_

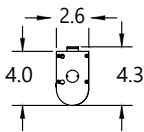
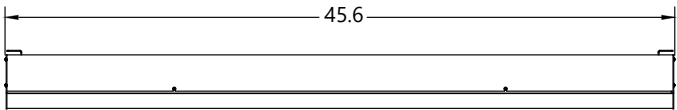
Project Name \_\_\_\_\_

Date \_\_\_\_\_ Type \_\_\_\_\_

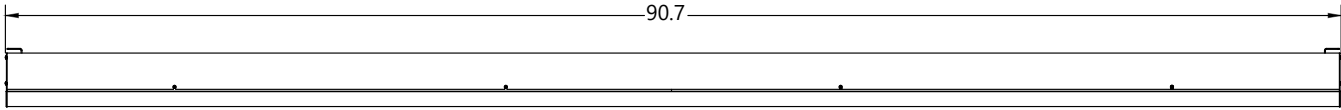
Catalog Number \_\_\_\_\_

## ALC6 SERIES MODULAR FIXTURE

4 Ft.



8 Ft.



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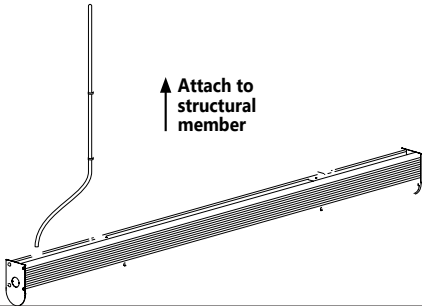
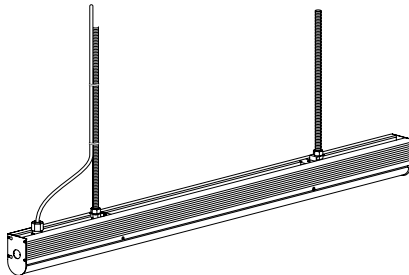
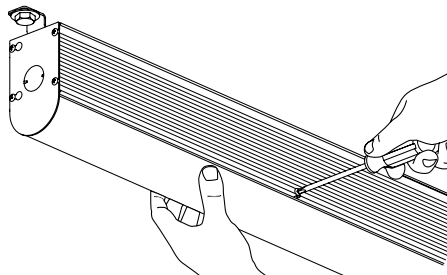
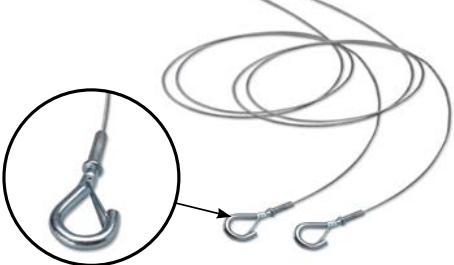
### Mounting & Accessories

#### CUSTOMER NAME

Project Name \_\_\_\_\_

Date \_\_\_\_\_ Type \_\_\_\_\_

Catalog Number \_\_\_\_\_

| MOUNTING OPTIONS                                                                                                                                                                 | IMAGE                                                                                | ORDER LOGIC CODE                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Standard Chain/Cable Mount</b><br>Available on all fixture configurations (chain not included). Cable w/ hook can be ordered as an accessory.                                 |    | <b>ST</b> = Standard                                                                                                                                    |
| <b>Rod Mount (Optional)</b><br>Available with all fixture configurations. Standard mounting option is rod mount ready. Attaches to 1/2" threaded rod (rod and nuts not included) |   | <b>ST</b> = Standard                                                                                                                                    |
| <b>Surface Mount (Optional)</b><br>Available on all fixture configurations. Standard mounting option is surface mount ready.                                                     |  | <b>ST</b> = Standard                                                                                                                                    |
| <b>Cable with Toggle (Optional)</b><br>Order separately. 5 ft., 10 ft., 15 ft., lengths available.                                                                               |  | <b>51</b> = Cable/Toggle 5 ft. - Pair<br><b>52</b> = Cable/Toggle 10 ft. - Pair<br><b>53</b> = Cable/Toggle 15 ft. - Pair<br>Max Load 200 lbs. Per Pair |