



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 168 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 | 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

CUSTOMER NAME

Project Name _____

Date _____ Type _____

Catalog Number _____

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 Connect: 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 ^{4,8} = 6ft. 18ga cord B ^{4,8} = 12ft. 18ga cord | Q = None A ^{4,8} = 15A Straight Plug B ^{4,8} = 20A Straight Plug C ^{2,5,8,9} = 15A Twistlock Plug D ^{4,8} = 20A Twistlock Plug | W = White | Blank = No Special Options DB ^{2,3,5,6,8,9,11} = Dimming Bypass Module GT ^{1,2,5,7,9,11} = Generator Transfer Device FF = Fast Blow Fuse |
| | | | 02 = 2,500 | | | | | | | | | | | |
| | | | 03 = 3,500 | | | | | | | | | | | |
| | | 4T = 4 ft | 02 = 2,500 | | | | | | | | | | | |
| | | | 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 @ 4000K CCT | | | | |
|--------------------|---------------|---------------------------|---------------|-------------|
| FIXTURE LENGTH | OUTPUT LUMENS | TYPICAL DELIVERED LUMENS* | TYPICAL POWER | TYPICAL LPW |
| | | | 120-277V | 120-277V |
| 2ft | 1500 | 1587 | 10.4 | 153 |
| 2ft | 2500 | 2607 | 16.7 | 156 |
| 2ft | 3500 | 3606 | 23.6 | 153 |
| 4ft | 2500 | 2690 | 16.1 | 167 |
| 4ft | 3000 | 3087 | 19 | 162 |
| 4ft | 4000 | 4111 | 25.5 | 162 |
| 4ft | 5000 | 5174 | 32.2 | 161 |
| 4ft | 6000 | 6162 | 38.6 | 160 |
| 4ft | 8000 | 8188 | 53.9 | 152 |
| 8ft | 5000 | 5126 | 30.8 | 167 |
| 8ft | 6000 | 6135 | 36.6 | 168 |
| 8ft | 8000 | 8182 | 49.5 | 165 |
| 8ft | 11000 | 11236 | 69.4 | 162 |
| 8ft | 13000 | 13283 | 84.2 | 158 |
| 8ft | 16000 | 16325 | 100.6 | 162 |

* 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 | 0.98 | PW | 0.91 |
| | 3000K | 0.97 | NL | 1.08 |
| 90 CRI | 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)
11. Not available with Cord (A or B)



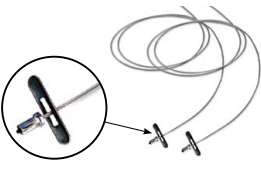
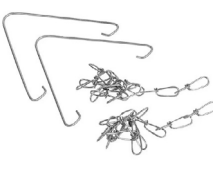




CUSTOMER NAME

Project Name _____

Date _____ Type _____

Catalog Number _____

ACCESSORIES (ORDER SEPARATELY)

| MOUNTING OPTIONS | IMAGE | ORDER LOGIC CODE |
|--|---|--|
| Canopy with Stem |  | 93313333 = Canopy with 18" Stem |
| Canopy with Swivel Stem |  | 93313334 = Canopy with 18" Swivel Stem |
| Cable with Toggle 5ft., 10ft, 15ft, and 20ft lengths available |  | 93314819 = Cable/Toggle 5ft. - Pair 93314820 = Cable/Toggle 10 ft. - Pair 93314821 = Cable/Toggle 15 ft. - Pair 93314822 = Cable/Toggle 20 ft. - Pair Max Load 200 lbs. Per Pair |
| Chain Hanger |  | 93313349 = Chain Hanger/Hooks 14" Length |
| Tong Hanger |  | 93313350 = Slide Tong Hanger |
| Continuous Row Kit |  | 93313281 = Continuous Row Bracket & Curved Lens Joiner |
| Wire Guards |  | 93313352 = 2ft Wire Guard 93313354 = 4ft Wire Guard |
| Curved, Metal End Cap |  | 95053643 |



Albeo® ALV3 Series

LED Linear Industrial Low Bay

CUSTOMER NAME

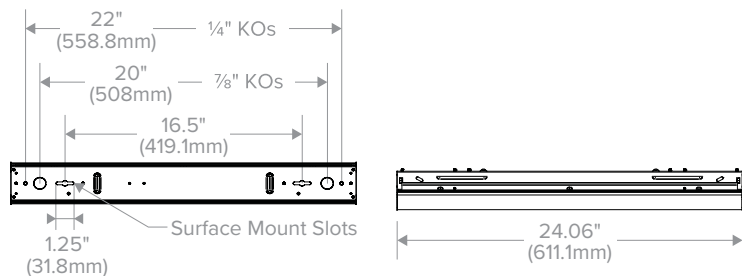
Project Name _____

Date _____ Type _____

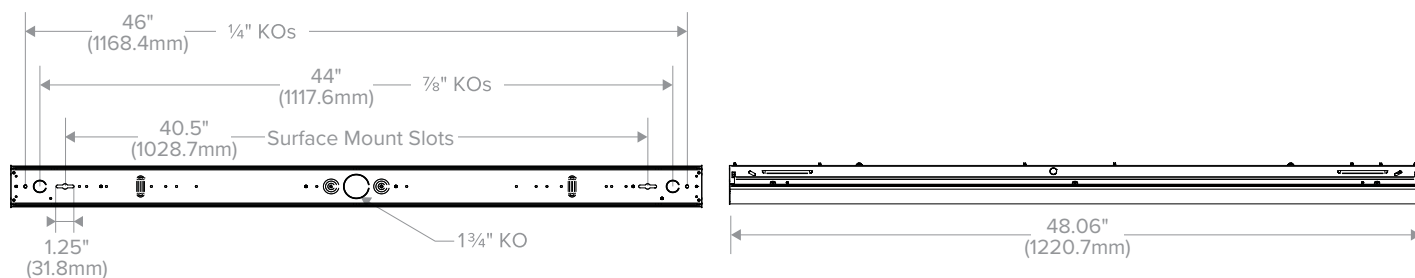
Catalog Number _____

DIMENSIONS

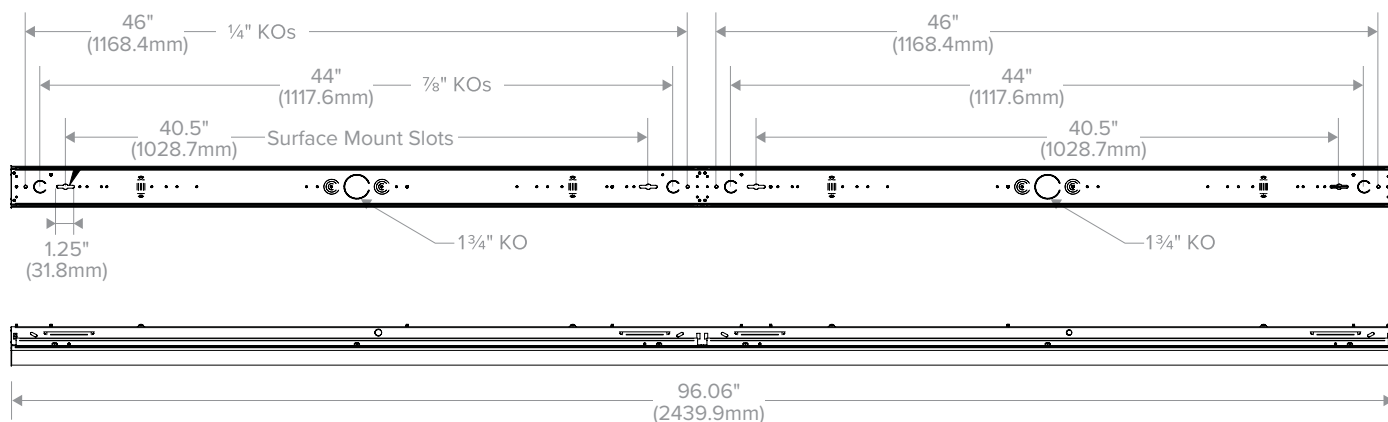
2Ft.



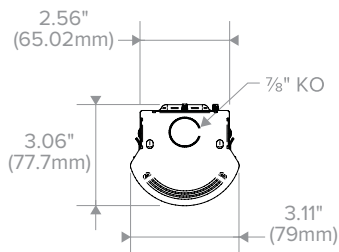
4Ft.



8Ft.

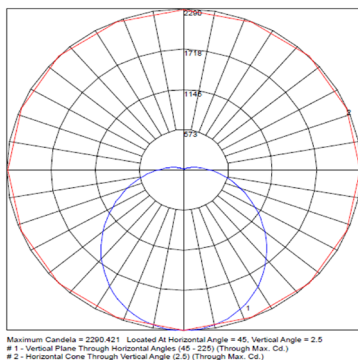


End View



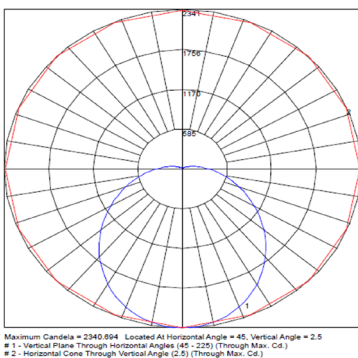
PHOTOMETRIC DATA

ALV3 4ft with Frosted Acrylic, Narrow Lens
80 CRI
3000K
 7745 LM
 ALV304T08T38CN



| ZONE | LUMENS | % OF FIXTURE |
|-------|---------|--------------|
| 0-30 | 1765.93 | 22.8 |
| 0-40 | 2886.44 | 37.3 |
| 0-60 | 5142.21 | 66.4 |
| 0-90 | 7167.96 | 92.5 |
| 0-180 | 7745.13 | 100 |

ALV3 4ft with Frosted Acrylic, Wide
80 CRI
3000K
 7915 LM
 ALV304T08T38CW



| ZONE | LUMENS | % OF FIXTURE |
|-------|---------|--------------|
| 0-30 | 1804.69 | 22.8 |
| 0-40 | 2949.79 | 37.3 |
| 0-60 | 5255.08 | 66.4 |
| 0-90 | 7325.29 | 92.5 |
| 0-180 | 7915.13 | 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.