| Catalog # : | Project : |
|---|---|
| Prepared By : | Date : |

# Alliance 4' - ALI4
# LED 4' Linear High Bay

Shown with decorative end caps accessory

The new Alliance™ indoor LED high bay was designed to provide flexibility on any project. For use with applications ranging from school gymnasiums to industrial facilities, the Alliance is configurable with lumen packages that target DLC Premium, a variety of distribution patterns & lenses, and flexible control options. The original design features optional end caps that lend a unique, customized look to your project.

## Features & Specifications

### Optical System

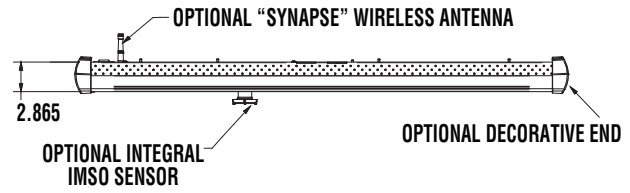
- Optional high transmission impact resistant clear lenses available in Acrylic (CAL) or Polycarbonate (CAP).
- Optional diffuse impact resistant Acrylic (DA) lens available to eliminate bright spots from individual LED's and provide high vertical illumination and visual comfort.
- Less Lens (LL) option available for high efficiency applications.
- Use of closely spaced medium-power, high brightness chips provide uniform lens luminance with no dead spots.
- Choice of 2 high performance distributions; Wide (W), or Narrow / Aisle (N). Narrow / Aisle distribution is available with Less lens (LL), Clear Acrylic (CA), and Clear Polycarbonate (CP) lens options only.
- Available in 5000K, 4000K and 3500K color temperatures.
- Minimum CRI of 80. Optional 90 CRI available, consult factory for lead times.

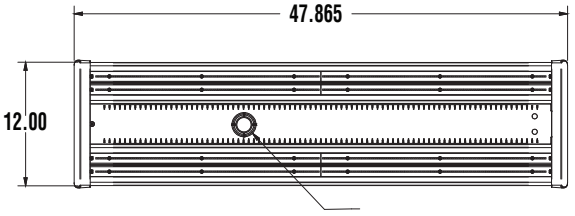
### Electrical

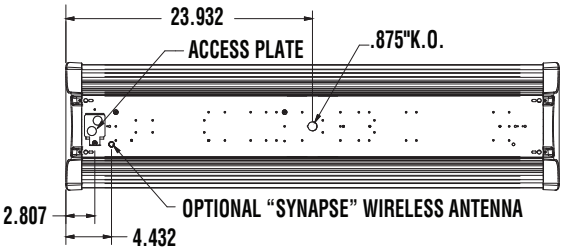
- High-performance driver features over-voltage, under voltage, short-circuit and over temperature protection.
- 0-10 volt dimming (5% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100k Hours (See Lumen Maintenance on Page 2)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +55°C (-40°F to +131°F), 30°C (86°F) when equipped with EM option.
- Power factor: >.95
- Input power stays constant over life.
- Optional 120v-277v integral emergency battery pack is available to meet critical life safety lighting requirements. The 90-minute batteries provide constant power to the LED system, ensuring code compliance. A test switch/indicator button is installed on the housing for ease of maintenance.
- Field replaceable surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

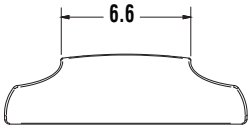
Dimmable · WIRELESS CONTROLS · damp location · RoHS COMPLIANT · ARRA Funding Compliant · TITLE 24 COMPLIANT · c UL us LISTED · DLC PREMIUM

## Dimensions



## Features & Specifications (Cont.)

### Controls

- Optional integral passive infrared motion sensors and daylight sensors activate switching of luminaire light levels (see page 5 for more details).
- LSI's AirLink™ wireless control system options reduce energy and maintenance costs while optimizing light quality 24/7. (see page 6 for more details)
- Osram Encellium™ Wireless Networked Light Management System options. (see page 6 for more details)

### Construction

- Rigid extruded aluminum optical housing for consistency and strength with vertical fins that serve as a heat sink and resist accumulation of dust and debris.
- Thick gauge die formed steel driver housing and access panel.
- Access panel provides single screw access to wiring and driver connections.
- Optional injection molded decorative endcaps offer a more customized specifiable apperance.
- Luminaire is proudly made in the U.S.
- All metal parts are painted after fabrication following treatment with phosphate rust inhibitor. Finish coating of housing reflecting surfaces is with high-reflectance white (minimum 92%) polyester powder.
- The Alliance makes it possible to meet ESFR fire suppression system requirements due to the fixtures 12.4" width.
- Shipping weight: 22 lbs in carton.

### Installation

- Mounting options include; Hook Cable Hangers (HCH10), Pendant Mount (PM), Single Hub/Cable Mount (SHC), and Surface Mount (SMK).

### Warranty

- LSI LED Fixtures carry a 5-year warranty.
- 1 Year warranty on optional Battery Back Up. Test regularly in accordance with local codes

### Listings

- Listed to UL 1598 and UL 8750.
- RoHS Compliant.
- State of California Title 24.
- American Recovery and Reinvestment Act Funding Compliant.
- Lighting Facts Approved.
- Suitable For Damp Locations.

## Performance

**ELECTRICAL DATA***

| Lumens | 120V | 208V | 240V | 277V | 347V | 480V |
|---|---|---|---|---|---|---|
| 09L | 0.492 | 0.284 | 0.246 | 0.213 | 0.170 | 0.123 |
| 12L | 0.683 | 0.394 | 0.342 | 0.296 | 0.236 | 0.171 |
| 15L | 0.825 | 0.476 | 0.413 | 0.357 | 0.285 | 0.206 |
| 18L | 1.017 | 0.587 | 0.508 | 0.440 | 0.352 | 0.254 |
| 24L | 1.400 | 0.808 | 0.700 | 0.606 | 0.484 | 0.350 |
| 30L | 1.642 | 0.947 | 0.821 | 0.711 | 0.568 | 0.410 |
| 36L | 2.025 | 1.168 | 1.013 | 0.877 | 0.700 | 0.506 |
| 48L | 2.792 | 1.611 | 1.396 | 1.209 | 0.965 | 0.698 |
| 60L | 3.492 | 2.014 | 1.746 | 1.513 | 1.207 | 0.873 |

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

**HIGH EFFICIENCY LED GEN- RECOMMENDED LUMEN MAINTENANCE[1]**

| Ambient Temperature C | Lumen Multiplier | | | | |
|---|---|---|---|---|---|
| | 0 hrs.[2] | 25K hrs.[2] | 50K hrs.[2] | 75K hrs.[3] | 100K hrs.[3] |
| 25 | 100.29 | 94.80 | 89.60 | 84.69 | 80.05 |
| 30 | 100.29 | 94.80 | 89.60 | 84.69 | 80.05 |
| 35 | 100.29 | 94.80 | 89.60 | 84.69 | 80.05 |
| 40 | 100.29 | 94.80 | 89.60 | 84.69 | 80.05 |
| 45 | 100.21 | 94.16 | 88.47 | 83.13 | 78.11 |
| 50 | 100.21 | 94.16 | 88.47 | 83.13 | 78.11 |

1 - Lumen maintenance values at 25˚C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing.
2 - In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X)the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip).
3 - In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times NA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip).

**STANDARD EFFICIENCY LED GEN- RECOMMENDED LUMEN MAINTENANCE[1]**

| Ambient Temperature C | Lumen Multiplier | | | | |
|---|---|---|---|---|---|
| | 0 hrs.[2] | 25K hrs.[2] | 50K hrs.[2] | 75K hrs.[3] | 100K hrs.[3] |
| 25 | 100.29 | 94.80 | 89.60 | 84.69 | 80.05 |
| 30 | 100.21 | 94.16 | 88.47 | 83.13 | 78.11 |
| 35 | 100.21 | 94.16 | 88.47 | 83.13 | 78.11 |
| 40 | 100.21 | 94.16 | 88.47 | 83.13 | 78.11 |
| 45 | 100.21 | 94.16 | 88.47 | 83.13 | 78.11 |
| 50 | 99.97 | 94.00 | 88.39 | 83.12 | 78.15 |

1 - Lumen maintenance values at 25˚C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing.
2 - In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X)the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip).
3 - In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times NA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip).

# Alliance 4' - ALI4
# LED 4' Linear High Bay

## Luminaire Ordering Guide

TYPICAL ORDER EXAMPLE: **ALI4 LEDHE 48L CA W UNV DIM 40 ALSCS U**

| Family / Size | LED Gen | Lumen Package* | Lens | Distribution | Voltage | Driver | Color Temperature | CRI |
|---|---|---|---|---|---|---|---|---|
| ALI4 - 4' Linear High Bay | LEDHE - High Efficiency | 09L - 9000<br>12L - 12000<br>15L - 15000<br>18L - 18000<br>24L - 24000<br>30L - 30000[8]<br>36L - 36000[8]<br>48L - 48000[8]<br>60L - 60000[8]<br>*Consult factory for programmable wattages and lumen packages. | LL - Less Lens<br>CA - Clear Acrylic<br>CP - Clear polycarbonate<br>DA - Diffused Acrylic[8] | W - Wide<br>N - Narrow / Aisle | UNV - 120-277V<br>HV - 347-480V | DIM - Dims to 5% (0 to 10V dimming) | 35 - 3500K<br>40 - 4000K<br>50 - 5000K | Blank - 80 CRI<br>90CRI - 90 CRI[1] |

| Controls | EM Options | Options | Packaging |
|---|---|---|---|
| Blank - (No Controls) | EM - 10 Watt Emergency Backup[11] | BLANK - Standard End Leads | Blank - None |
| | EM20 - 20 Watt Emergency Backup[11] | CLDS - Center Leads[7] | JP - Job Pack |
| ALSC - Airlink Synapse Wireless Control System[6] | | | |
| ALSCS - Airlink Synapse Wireless Control System with Sensor[6] | | E6C - 6ft cord 16/5 no plug Cord insalled at END | |
| | | E10C - 10ft cord 16/5 no plug Cord insalled at END | |
| IMS0M2 - Integral Motion / Daylight Sensor. Mounting Height >20'[5] | | E15C - 15ft cord 16/5 no plug Cord insalled at END | |
| IMS0M4 - Integral Motion / Daylight Sensor. Mounting Height >45'[5] | | E20C - 20ft cord 16/5 no plug Cord insalled at END | |
| OCSUE - Occupancy Sensor 120-347V[11] | | C6C - 6ft cord 16/5 no plug Cord installed at CENTER[2] | |
| OCSHV - Occupancy Sensor 480V[11] | | C10C - 10ft cord 16/5 no plug Cord installed at CENTER[2] | |
| DHSUE - Daylight Harvesting / Occupancy Sensor 120-277V[11] | | C15C - 15ft cord 16/5 no plug Cord installed at CENTER[2] | |
| DHSHV - Daylight Harvesting / Occupancy Sensor 347-480V[11] | | C20C - 20ft cord 16/5 no plug Cord installed at CENTER[2] | |
| ENC - Encelium Wireless Control System [6] | | 515P - 5-15P plug only (120V)[6,9] | |
| ENCS - Encelium Wireless Control System with Sensor[6] | | L515P - 5-15P Twistlock Plug (125V)[6,9] | |
| | | L615P - 6-15P Twistlock Plug only (250V)[6,9] | |
| | | L715P -7-15P twistlock Plug only (277V)[6,9] | |
| | | L820P - 8-20P twistlock Plug only (480V)[9] | |
| | | L2420P - 24-20P Twistlock Plug only (347V)[9] | |
| | | RL15___ - Reloc 15' Cord (Must Specify Voltage) | |
| | | RL20___ - Reloc 20' Cord (Must Specify Voltage) | |
| | | MP__ - Modular Plug (Must Specify Voltage) | |

### Accessory Ordering Information

| Description | Order Number |
|---|---|
| WG - Wireguard | 671328 |
| PM - Pendant Mount J-Box Kit | 672404 |
| SHC - Single Hub / Chain Mount | 572488 |
| HCH10 -10' Hook Cable Hanger (Pair) | 460149 |
| SMK - Surface Mount Kit | 672405 |
| IMS Remote | 584929 |
| EC - Decorative End Caps (Pair) | 666384 |

**FOOTNOTES:**

1 - Not available with DLC qualification. Consult with Factory.
2 - Center leads and Center cords option requires pendant mount "PM" accessory (Part Number 572484)
3 - Pendant mount option provides wiring box with 3/4" threaded hub for housing connections and attaching stems. Stems must be ordered as a separate line item accessory. LDS (Center leads) requires pendant mount "PM" accessory
4 - Only available in 60L lumen package
5 - IMS Remote allows you to configure your settings on the IMS Integral motion/ daylight sensor. See Accessories for ordering information.
6 - Not Available in HV. Consult with Factory.
7 - Consult factory for Leadtime
8 - Not available in Aisle Distribution
9 - Comes Standard with 6' cord unless specificied with cord/no plug option (E6C,E10C,E15C,E20C,C6C,C10C,C15C,C20C).
10 - Internal EM only available from 9,000L to 30,000L. All other configurations will be external mounted.
11- Not Available with Decorative End Caps

## Performance (Cont.)

**DELIVERED LUMENS***

| | LED Gen | Lumen Package | Distribution Type | Lens Type | 3500K Delivered Lumens | 3500K Efficacy | 4000K Delivered Lumens | 4000K Efficacy | 5000K Delivered Lumens | 5000K Efficacy | Wattage |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ALI4 | LEDHE | 09L | W | LL | 9095 | 154 | 9286 | 157 | 9632 | 163 | 59 |
| | | | | CA | 8780 | 149 | 8941 | 151 | 9299 | 157 | |
| | | | | CP | 8410 | 143 | 8554 | 145 | 8896 | 151 | |
| | | | | DA | 7736 | 131 | 7895 | 134 | 8211 | 139 | |
| | | | N | LL | 8561 | 145 | 8726 | 147 | 9054 | 153 | |
| | | | | CA | 8219 | 139 | 8377 | 141 | 8692 | 147 | |
| | | | | CP | 7876 | 133 | 8028 | 135 | 8330 | 141 | |
| | LEDHE | 12L | W | LL | 12453 | 153 | 12728 | 156 | 13237 | 162 | 82 |
| | | | | CA | 11955 | 147 | 12219 | 150 | 12708 | 156 | |
| | | | | CP | 11457 | 141 | 11710 | 144 | 12178 | 149 | |
| | | | | DA | 10585 | 130 | 10819 | 133 | 11252 | 138 | |
| | | | N | LL | 11692 | 144 | 11956 | 147 | 12443 | 153 | |
| | | | | CA | 11228 | 138 | 11478 | 141 | 11945 | 146 | |
| | | | | CP | 10761 | 132 | 11000 | 135 | 11447 | 140 | |
| | LEDHE | 15L | W | LL | 14851 | 148 | 15450 | 157 | 16068 | 163 | 99 |
| | | | | CA | 14257 | 142 | 14832 | 151 | 15425 | 157 | |
| | | | | CP | 13663 | 136 | 14214 | 144 | 14783 | 150 | |
| | | | | DA | 12623 | 126 | 13133 | 133 | 13658 | 139 | |
| | | | N | LL | 13979 | 142 | 14356 | 145 | 15104 | 153 | |
| | | | | CA | 13420 | 136 | 13782 | 139 | 14500 | 147 | |
| | | | | CP | 12861 | 131 | 13208 | 133 | 13896 | 141 | |
| | LEDHE | 18L | W | LL | 17803 | 147 | 18257 | 150 | 18987 | 156 | 122 |
| | | | | CA | 17091 | 141 | 17527 | 144 | 18228 | 150 | |
| | | | | CP | 16379 | 135 | 16796 | 138 | 17468 | 144 | |
| | | | | DA | 15133 | 125 | 15518 | 128 | 16139 | 133 | |
| | | | N | LL | 16774 | 138 | 17145 | 140 | 17848 | 147 | |
| | | | | CA | 16103 | 132 | 16459 | 134 | 17134 | 141 | |
| | | | | CP | 15432 | 127 | 15773 | 129 | 16420 | 135 | |
| | LEDHE | 24L | W | LL | 23869 | 143 | 24571 | 146 | 25554 | 152 | 168 |
| | | | | CA | 22914 | 137 | 23588 | 140 | 24532 | 146 | |
| | | | | CP | 21959 | 132 | 22605 | 134 | 23510 | 140 | |
| | | | | DA | 20289 | 122 | 20885 | 124 | 21721 | 129 | |
| | | | N | LL | 22466 | 134 | 23034 | 137 | 24021 | 143 | |
| | | | | CA | 21567 | 129 | 22113 | 132 | 23060 | 137 | |
| | | | | CP | 20669 | 123 | 21191 | 126 | 22099 | 131 | |
| | LEDHE | 30L | W | LL | 29313 | 149 | 29904 | 153 | 31100 | 159 | 197 |
| | | | | CA | 28140 | 143 | 28708 | 147 | 29856 | 153 | |
| | | | | CP | 26968 | 137 | 27512 | 141 | 28612 | 146 | |
| | | | | DA | 24916 | 127 | 25418 | 130 | 26435 | 135 | |
| | LEDHE | 36L | W | LL | 35363 | 146 | 36118 | 149 | 37563 | 155 | 243 |
| | | | | CA | 33948 | 140 | 34673 | 143 | 36060 | 149 | |
| | | | | CP | 32534 | 134 | 33229 | 137 | 34558 | 143 | |
| | | | | DA | 30059 | 124 | 30700 | 127 | 31928 | 132 | |
| | LEDHE | 48L | W | LL | 46956 | 140 | 48063 | 143 | 49986 | 149 | 335 |
| | | | | CA | 45078 | 134 | 46140 | 137 | 47986 | 143 | |
| | | | | CP | 43200 | 129 | 44218 | 132 | 45987 | 137 | |
| | | | | DA | 39913 | 119 | 40854 | 122 | 42488 | 126 | |
| | LEDHE | 60L | W | LL | 56375 | 135 | 57800 | 138 | 60112 | 144 | 419 |
| | | | | CA | 54120 | 130 | 55488 | 132 | 57708 | 138 | |
| | | | | CP | 51865 | 124 | 53176 | 127 | 55303 | 132 | |
| | | | | DA | 47919 | 115 | 49130 | 117 | 51095 | 122 | |

*LED Chips are frequently updated therefore values are nominal.

## Controls

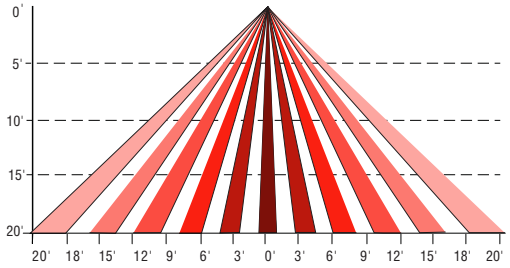
### Occupancy Sensor / Daylight Sensor (IMSO)

- Optional integral passive infrared motion and daylight sensor activates switching of luminaire light levels. Standard Factory settings: High level light is activated and increased to full bright upon detection of motion. Low light level (30% maximum drive current) is activated when target zone is absent of motion activity for ~5 minutes. See coverage diagram for detection cone. Optional configurator tool allows for easy and safe programming of each luminaire from the ground level.

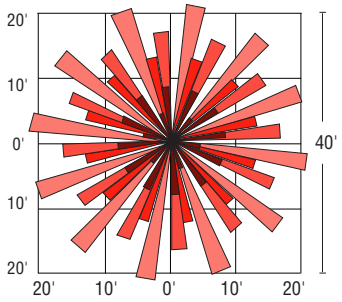
### IMS/PC Remote Configurator Tool

### IMSOM2 Coverage Diagram

**SIDE VIEW**

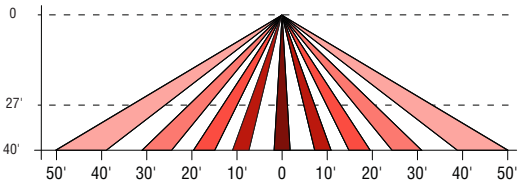



**TOP VIEW**

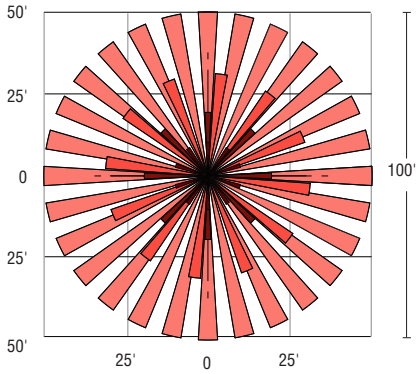


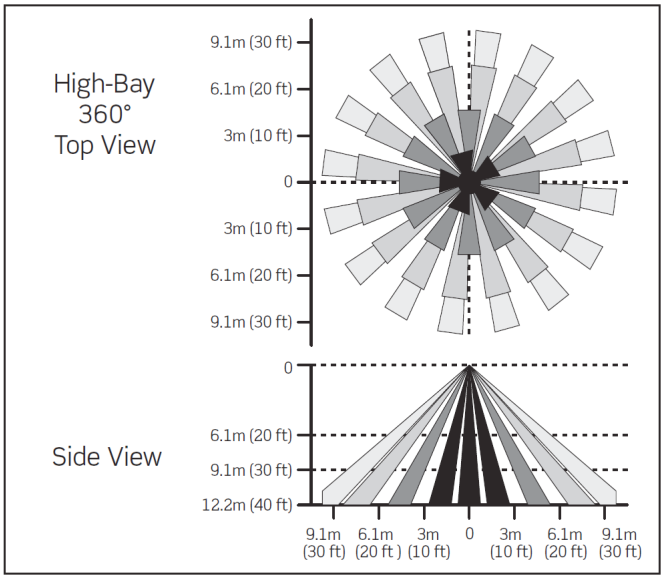

### IMSOM4 Coverage Diagram

**SIDE VIEW**




**TOP VIEW**




### Occupancy Sensor (OCSUE/OCSHV)

- Optional integral passive infrared motion activates switching of luminaire on/off. Standard Factory settings: Luminaire is activated and increased to full bright upon detection of motion. Luminaire powers off when target zone is absent of motion activity for ~5 minutes. See coverage diagram for detection cone. Not available with decorative endcap accessory.

### Occupancy Sensor / Daylight Sensor (DHSUE/DHSHV)

- Optional integral passive infrared motion and daylight sensor activates switching of luminaire on/off. Standard Factory settings: Luminaire is activated and increased to full bright upon detection of motion. Luminaire powers off when target zone is absent of motion activity for ~5 minutes. See coverage diagram for detection cone. Not available with decorative endcap accessory.

## Controls (Cont.)

Works with OSRAM ENCELIUM®

To get the most value from LSI Industries smart fixtures, we recommend OSRAM ENCELIUM, the industry's leading Light Management System. ENCELIUM brings together the hardware, software you need to control your entire lighting system, all from a single control pane. The Polaris 3D® software is the core element of the ENCELIUM Networked Light Management System. It facilitates the commissioning, usage, and data analysis of the lighting installation.

Learn more what OSRAM ENCELIUM can do for you at www.osram.us/encelium

### OSRAM Wireless Control Module (ENC/ENCS)

Include the ENC/ENCS in to enable each LED driver to be independently controlled and configured via OSRAM ENCELIUM®. The ENC/ENCS devices are Damp-Rated and enables luminaires to be turned ON or OFF via a relay contained in the module as well as delivers a low voltage dimming signal to any 0-10V dimming driver.

AirLink™
enabled by Synapse®

### Wireless Lighting Controller (ALC/ALCS)

The AirLink integrated controller is a California Title 24 compliant lighting controller that provides real-time light monitoring and control with utility-grade power monitoring. It includes a 24V sensor input and power supply to connect up to two (2) sensors into the outdoor AirLink wireless lighting system.

### Features

- 2% Utility Grade Power Monitoring
- Up to 80% Savings through smart dimming
- True On/Off functionality via switched relay
- Seamlessly integrates into the outdoor AirLink wireless lighting control solution & Self-healing Mesh Networking
- Relay closes on power loss
- Supports a wide range of LED drivers and fixtures
- Class 1 / Class 2 0-10V Dimming Control
- Direct Connect up to two (2) to 24V Occupancy Sensors and Photocells (consult sales for compatible list)
- Secure, over-the-air upgrades to support future enhancements
- Excellent RF Range — 1,000ft LoS between controllers
- Lights default to on for safety

### Specifications

**Regulatory Approvals**

- FCC, IC, CE certified
- cULus Listed
- California Title 24 compliant

**Power and Performance**

- Operating environmental: -40°F to 131°F (-40°C to 55°C)
- Input power: 100–277 VAC +/- 10% (Max 305V)47/64 Hz
- Switched output: Default ON; Zero Cross Switching
- Load rating: 5A @ 100V to 277V (+/- 10%)
- Dimming: 0–10V control; Output: Class 1/2 - 20mA Source Max / 50mA Sink Max
- Power monitoring: Utility grade - 2% accuracy
- Sensors inputs: 0–10V (photocell sensors), 0–24V (all other sensors); Sensor power supply: 24VDC @ 50mA

**Other**

- Radio: SNAP 2.4 GHz; 802.15.4; +20 dBm Transmit Power; -105 dBm Receive Sensitivity
- Warranty: 5 years

### Contact LSI Controls

**Sales**
controls.sales@lsi-industries.com

**Support**
controls.support@lsi-industries.com
1 (800) 436-7800 (support, option 8)

**More information**
For more information on AirLink, visit our website at **www.lsi-airlink.com/airlink**

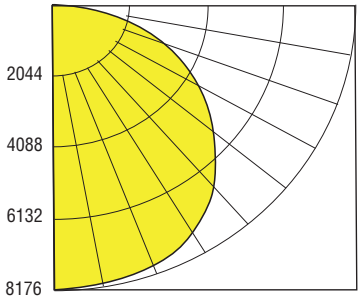
  

## Photometry

Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

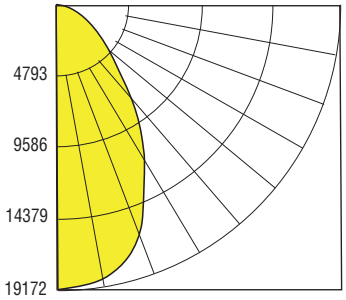
See http://www.lsi-industries.com/products/led-lighting-solutions.aspx for detailed photometric data.

### ALI4 LEDHE 24L CA W 40




| ZONAL LUMEN SUMMARY | | |
|---|---|---|
| ZONE | LUMENS | % FIXTURE |
| 0-20 | 3051 | 12.40% |
| 0-30 | 6613 | 26.90% |
| 0-40 | 11062 | 45.00% |
| 0-60 | 20263 | 82.50% |
| 0-80 | 24398 | 99.30% |
| 0-90 | 24571 | 100.00% |
| 10-90 | 23795 | 96.80% |
| 20-40 | 8011 | 32.60% |
| 20-50 | 12794 | 52.10% |
| 40-70 | 12071 | 49.10% |
| 60-80 | 4134 | 16.80% |
| 70-80 | 1265 | 5.10% |
| 80-90 | 174 | 0.70% |
| 90-180 | 0.00 | 0.00% |
| 0-180 | 24571 | 100.00% |

### ALI4 LEDHE 24L CA N 40




| ZONAL LUMEN SUMMARY | | |
|---|---|---|
| ZONE | LUMENS | % FIXTURE |
| 0-20 | 5931 | 25.80% |
| 0-30 | 10498 | 45.60% |
| 0-40 | 14521 | 63.00% |
| 0-60 | 20306 | 88.20% |
| 0-80 | 22858 | 99.20% |
| 0-90 | 23034 | 100.00% |
| 10-90 | 21281 | 92.40% |
| 20-40 | 8589 | 37.30% |
| 20-50 | 11885 | 51.60% |
| 40-70 | 7489 | 32.50% |
| 60-80 | 2552 | 11.10% |
| 70-80 | 848 | 3.70% |
| 80-90 | 176 | 0.80% |
| 90-180 | 0.00 | 0.00% |
| 0-180 | 23034 | 100.00% |