

| | |
|----------|------|
| Project | |
| Notes | |
| Type | Date |
| Cat. No. | |

EDL™ Series

Eco Commercial Downlight

DESCRIPTION

The Aleo EDL Series is the perfect energy-saving solution for commercial downlight applications. The EDL recessed downlight offers extreme versatility with field-adjustable lumen output and color temperature. No can is needed for installation. Perfect for new construction or retrofit of CFL and HID downlights of varying mounting heights.

APPLICATIONS

Commercial, retail, education, hospitality, covered outdoor ceilings. Retrofit / remodel or new construction



EDL Series

| | |
|---------------|-----------------|
| 4" LE | 650lm - 1100lm |
| 6" LE | 1100lm - 2000lm |
| 8" LE | 1500lm - 2600lm |
| 10" LE | 1600lm - 2700lm |

Rated Life 50,000 hours
Limited Warranty 7-years
Efficacy 88-100 lm/W
Continuous Dimming



Quick Ship

EDL-4LE-UX/9CT
EDL-6LE-UX/9CT
EDL-8LE-UX/9CT
EDL-10LE-UX/9CT
EDL-4LE-UX/9CT SP
EDL-6LE-UX/9CT SP
EDL-8LE-UX/9CT SP
EDL-10LE-UX/9CT SP

Specification Features



Construction

Durable powder coat finish. Junction box with integrated driver and knock-outs. IC-rated. Equipped with integrated spring-action clips and cable. Wet Location Rated.

Optical System

Reflector system features highly reflective coating and delivers balanced, comfortable illuminance. Optimal glare control. Regressed light source, smooth reflector.

Certification

ETL Listed. FCC Part 15 Class B

Warranty

7-year Limited Warranty. See warranty documentation for more information.

Electrical

Field Selectable lumen output and color temp. Universal voltage: 120V-277V input. Flicker-free driver. 0-10V dimming.

Installation / Mounting

Quick and easy installation. Installs with no can / housing needed. Integral spring clips.

Controls / Dimming

Continuous dimming (0-10V) comes standard.

Field-Adjustable CCT / Wattage

Increased versatility and reduced inventory burden. Wattage and Color Temp. Can be adjusted in the field by selecting (3) different wattages and (5) different CCTs via switch on driver box

Ordering Information

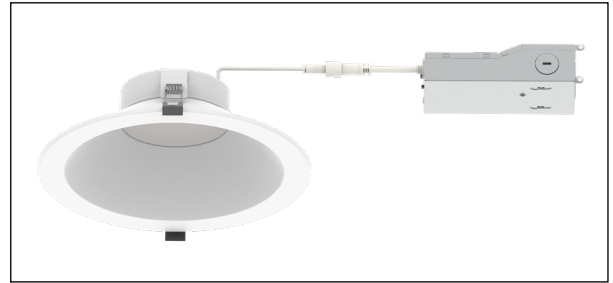
Example: EDL-6LE-UX/9CT SP

| EDL | 6 | LE | UX | 9 | CT | [Blank] |
|---|--------------------|----------------------|----------------------|------------|---|--|
| Series | Form Factor | Lumen Package | Lumen Package | CRI | Color Temp | Reflector/Trim |
| EDL | 4 4" nom. | LE Low Wattage | UX Field Adjustable | 9 90+ | CT Field Adjust. 2700K 3000K 3500K 4000K 5000K | Blank White Smooth Reflector / White Trim SP Semi-specular Reflector / White Trim |
| Eco | 6 6" nom. | | | | | |
| Commercial | 8 8" nom. | | | | | |
| Downlight | 10 9.5" nom. | | | | | |
| Options | | | | | | |
| Controls | | | | | | |
| WLC/BT Wireless Bluetooth Lighting Control Node | | | | | | |

Specifications and Dimensions subject to change without notice.

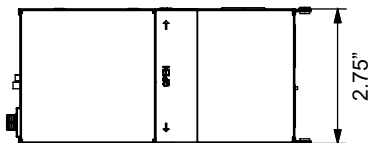
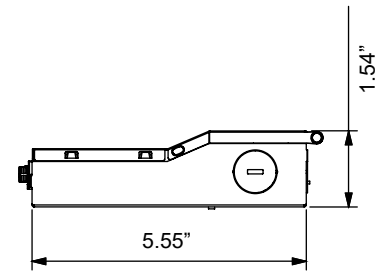
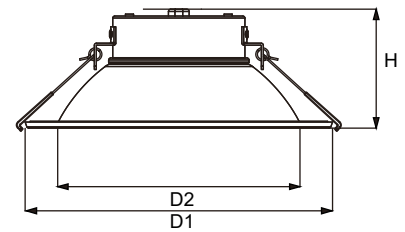
Performance Summary

| | |
|----------------------------|---------------------------------------|
| Input Voltage | 120V-277V |
| Input Frequency | 50/60 Hz |
| Rated Wattage | See Performance Table |
| Delivered Lumens | See Performance Table |
| Efficacy | > 88 LPW (typ.) |
| CRI | 90+ |
| Available CCT ¹ | 2700K / 3000K / 3500K / 4000K / 5000K |
| Rated Life | 50,000 hours |
| L70 | 54,000 hours |
| Power Factor | > 0.9 |
| THD | < 25% |
| Dimming | 0-10V Continuous |
| Operating Temp. | -25°C to 40°C |



Product Dimensions

| Model No. | Size | D1 | D2 | H | Cut-out | |
|--------------------|------|----------|----------|--------|---------|-----------|
| | | | | | Min. | Max. |
| EDL-4LE-UX/9CT XX | 4" | 5-1/16" | 3-7/8" | 2" | ø4" | ø4-3/8" |
| EDL-6LE-UX/9CT XX | 6" | 7-3/8" | 5-13/16" | 2-7/8" | ø6" | ø6-1/2" |
| EDL-8LE-UX/9CT XX | 8" | 8-11/16" | 6-15/16" | 3-3/8" | ø7" | ø7-11/16" |
| EDL-10LE-UX/9CT XX | 10" | 10-1/16" | 8-1/4" | 3-3/8" | ø8-1/2" | ø9-1/2" |



Specifications and Dimensions subject to change without notice.

Performance Data

| Form Factor | Catalog No. | Nominal Wattage | Color Temperature | Lumens (lm) | Wattage (W) | Efficacy (lm/W) |
|-------------|-------------------|-----------------|-------------------|-------------|-------------|-----------------|
| 4" | EDL-4LE-UX/9CT XX | 6 | 2700K | 602 | 5.5 | 109.4 |
| | | | 3000K | 629 | 5.4 | 116.5 |
| | | | 3500K | 657 | 5.3 | 124.0 |
| | | | 4000K | 674 | 5.4 | 124.9 |
| | | | 5000K | 645 | 5.5 | 117.3 |
| | | 9 | 2700K | 882 | 8.3 | 106.3 |
| | | | 3000K | 928 | 8.2 | 113.2 |
| | | | 3500K | 977 | 8.1 | 120.6 |
| | | | 4000K | 995 | 8.2 | 121.3 |
| | | | 5000K | 946 | 8.3 | 114.0 |
| | | 12 | 2700K | 1146 | 11.1 | 103.2 |
| | | | 3000K | 1198 | 10.9 | 109.9 |
| | | | 3500K | 1252 | 10.7 | 117.0 |
| | | | 4000K | 1296 | 11.0 | 117.8 |
| | | | 5000K | 1229 | 11.1 | 110.7 |
| 6" | EDL-6LE-UX/9CT XX | 12 | 2700K | 1095 | 11.7 | 93.6 |
| | | | 3000K | 1116 | 11.7 | 95.4 |
| | | | 3500K | 1151 | 11.7 | 98.4 |
| | | | 4000K | 1170 | 11.7 | 100.0 |
| | | | 5000K | 1194 | 11.8 | 101.2 |
| | | 16 | 2700K | 1418 | 15.6 | 90.9 |
| | | | 3000K | 1446 | 15.6 | 92.7 |
| | | | 3500K | 1491 | 15.6 | 95.6 |
| | | | 4000K | 1515 | 15.6 | 97.1 |
| | | | 5000K | 1543 | 15.7 | 98.3 |
| | | 24 | 2700K | 2075 | 23.5 | 88.3 |
| | | | 3000K | 2106 | 23.4 | 90.0 |
| | | | 3500K | 2172 | 23.4 | 92.8 |
| | | | 4000K | 2207 | 23.4 | 94.3 |
| | | | 5000K | 2251 | 23.6 | 95.4 |
| 8" | EDL-8LE-UX/9CT XX | 16 | 2700K | 1450 | 15.1 | 96.0 |
| | | | 3000K | 1490 | 15.0 | 99.3 |
| | | | 3500K | 1628 | 15.1 | 107.8 |
| | | | 4000K | 1577 | 15.0 | 105.1 |
| | | | 5000K | 1610 | 15.0 | 107.3 |
| | | 22 | 2700K | 1931 | 20.7 | 93.3 |
| | | | 3000K | 1998 | 20.7 | 96.5 |
| | | | 3500K | 2167 | 20.7 | 104.7 |
| | | | 4000K | 2116 | 20.7 | 102.2 |
| | | | 5000K | 2159 | 20.7 | 104.3 |
| | | 30 | 2700K | 2564 | 28.3 | 90.6 |
| | | | 3000K | 2642 | 28.2 | 93.7 |
| | | | 3500K | 2878 | 28.3 | 101.7 |
| | | | 4000K | 2797 | 28.2 | 99.2 |
| | | | 5000K | 2854 | 28.2 | 101.2 |

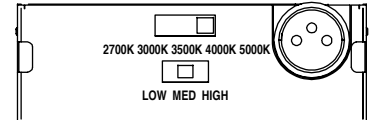
Specifications and Dimensions subject to change without notice.

Performance Data (cont'd)

| | | | | | | |
|-----|--------------------|----|-------|------|------|-------|
| 10" | EDL-10LE-UX/9CT XX | 16 | 2700K | 1404 | 14.4 | 97.5 |
| | | | 3000K | 1434 | 14.4 | 99.6 |
| | | | 3500K | 1476 | 14.4 | 102.5 |
| | | | 4000K | 1471 | 14.2 | 103.6 |
| | | | 5000K | 1519 | 14.2 | 107.0 |
| | | 22 | 2700K | 1868 | 19.7 | 94.8 |
| | | | 3000K | 1909 | 19.7 | 96.9 |
| | | | 3500K | 1962 | 19.7 | 99.6 |
| | | | 4000K | 1964 | 19.5 | 100.7 |
| | | | 5000K | 2016 | 19.4 | 103.9 |
| | | 32 | 2700K | 2640 | 28.7 | 92.0 |
| | | | 3000K | 2698 | 28.7 | 94.0 |
| | | | 3500K | 2775 | 28.7 | 96.7 |
| | | | 4000K | 2768 | 28.3 | 97.8 |
| | | | 5000K | 2855 | 28.3 | 100.9 |

Field-Adjustable Wattage & CCT

| Model | Adjustable Wattage | | | Adjustable Color Temp | | | | |
|--------------------|--------------------|-----|------|-----------------------|-------|-------|-------|-------|
| | Low | Med | High | 2700K | 3000K | 3500K | 4000K | 5000K |
| EDL-4LE-UX/9CT XX | 6W | 9W | 12W | | | | | |
| EDL-6LE-UX/9CT XX | 12W | 16W | 24W | | | | | |
| EDL-8LE-UX/9CT XX | 16W | 22W | 30W | | | | | |
| EDL-10LE-UX/9CT XX | 16W | 22W | 32W | | | | | |



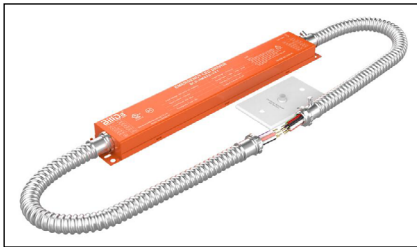
Accessory Options

Goof Ring

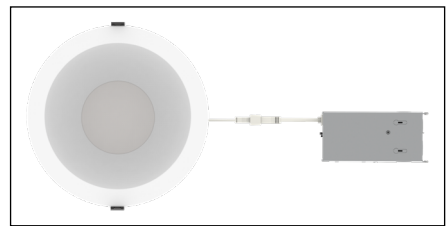
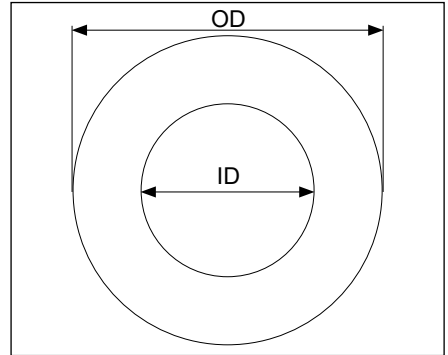
- GFR-CDL-6** Goof Ring for 6" Downlight, Matte White, 10.5" outer diameter
- GFR-CDL-8** Goof Ring for 8" Downlight, Matte White, 12.5" outer diameter
- GFR-CDL-10** Goof Ring for 10" (9.5") Downlight, Matte White, 14" outer diameter

Emergency Backup - Micro Inverter¹

BLD-HM15D-YYY 15W Micro-Inverter, 120V-347V, 90 min.



| Model | Outer Diameter | Inner Diameter |
|-------------------|----------------|----------------|
| GFR-CDL-6 | ø10.5" | ø5.9" |
| GFR-CDL-8 | ø12.5" | ø7.4" |
| GFR-CDL-10 | ø14" | ø8.7" |



¹ IMPORTANT: THE BATTERY MUST BE RECHARGED EVERY THREE (3) MONTHS. IF NOT RECHARGED ACCORDINGLY, BATTERY MAY FAIL AND VOID WARRANTY

Specifications and Dimensions subject to change without notice.



AleoBlue Wireless Bluetooth Controls

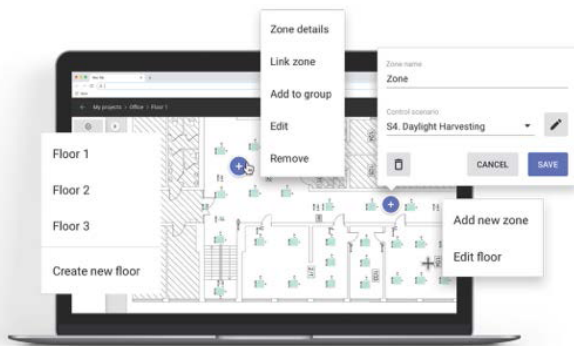


The AleoBlue is a complete solution for managing connected lighting systems using a Bluetooth Mesh lighting network. This enables seamless implementation of simple to complex lighting control scenarios without specialized training or lighting control engineering expertise.

DLC NLC Qualified.

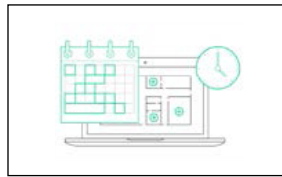
Features and Benefits

- Lighting Zones / Grouping
- Manual control of individual lights
- On Power up Behavior
- Zone Linking
- Vacancy Sensing
- Per fixture Daylight Control
- Per zone Daylight Control

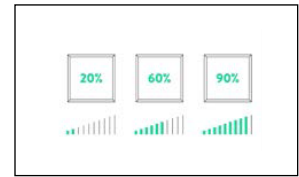


- Optimized Energy Consumption
- Less Hassle with On-Site Adjustments
- More Savings
- Increased Safety
- More Flexibility

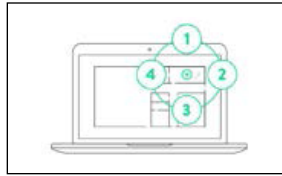
Scheduling



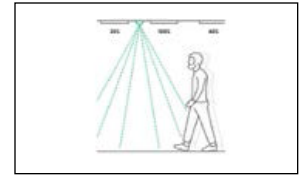
High and Low End Trim



Scenes



Occupancy Sensing



- Intuitive and user-friendly web and iOS apps
- No specialized training or lighting control expertise required
- Optimized for commercial spaces of any size
- No additional wiring or central control box
- Customizable lighting control parameters
- Future proof with Software Updates
- Multiple Zone Configurable
- Built-In Scenarios + Customization

Bluetooth Mesh Technology Advantages



The fastest low-power communication



Scalability to thousands of devices



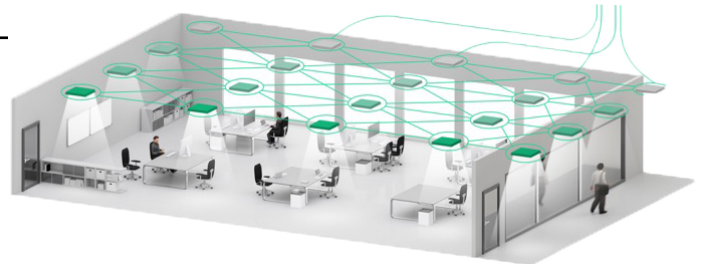
The most advanced encryption standards as well as the cutting-edge device authentication

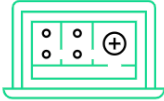


No single point of failure (no central device)



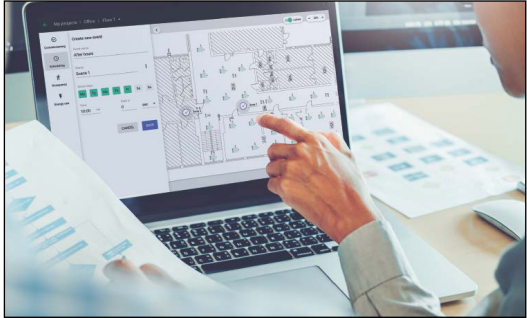
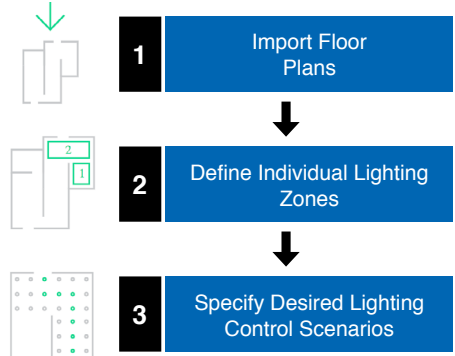
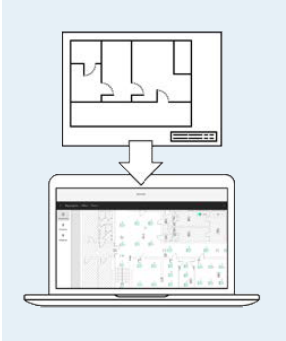
Compatibility with a widely available devices (smart phones & tablets – both with Bluetooth 4.0 and Bluetooth 5)





Planning

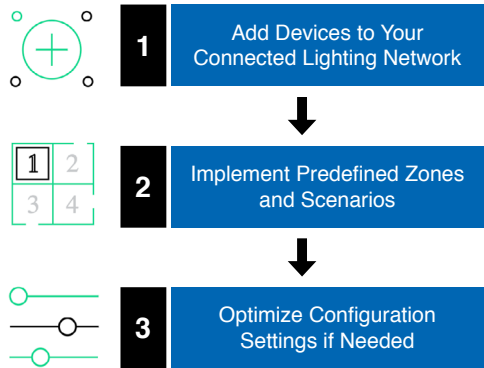
Remote preparation of a retrofit project with the use of our web app. Uploading floor plans, defining individual lighting zones and choosing lighting control scenarios.



Implementation

Adding lighting devices to the Bluetooth mesh network on-site with the use of an iOS app.

Customization and calibration of lighting control parameters during and after the commissioning process. Defining scenes for specific working activities.



Provisioning / Configurations

The Bluetooth mesh Node is in the Unprovisioned Mode until it is provisioned by a "Provisioner", which typically is a smart phone with a Bluetooth mesh compatible app.

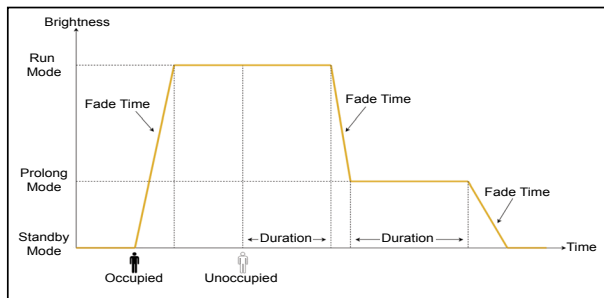
Lighting Control Scenarios

Multiple lighting control scenarios are available once the Bluetooth mesh Node is provisioned. At each scenario, duration, fade time and target brightness can be configured at any time with the iOS app.

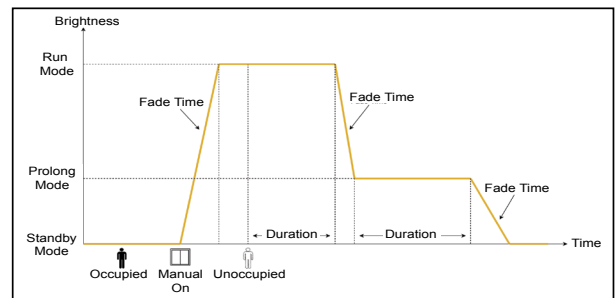


| Mode / Scenario | Wireless Switch | Occupancy Sensor | Ambient Light Sensor |
|------------------------------------|-------------------|------------------|----------------------|
| Unprovisioned Mode | - | - | - |
| Switch | On / Off / Scenes | - | - |
| Occupancy | On / Off / Scenes | Auto On / Off | - |
| Vacancy | On / Off / Scenes | Auto Off | - |
| Occupancy with Daylight Harvesting | On / Off / Scenes | Auto On / Off | Enabled |
| Vacancy with Daylight Harvesting | On / Off / Scenes | Auto Off | Enabled |

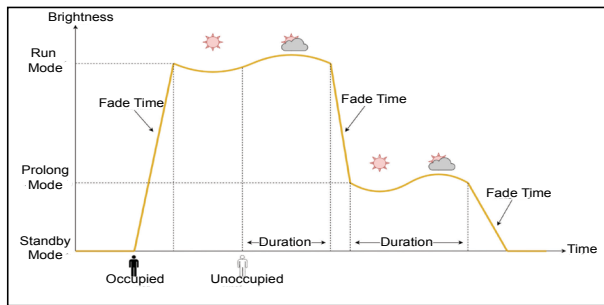
Occupancy Scenario



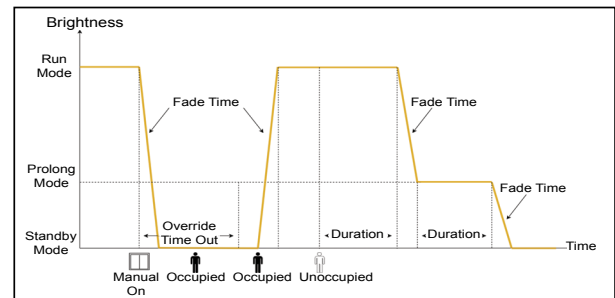
Vacancy Scenario



Occupancy Scenario - with Daylight Harvesting



Occupancy Scenario with Manual Override



Occupancy Detection Pattern

| H | X | Y |
|-------------|--------------|--------------|
| 7.9' (2.4m) | 16.4' (5.0m) | 16.4' (5.0m) |
| 8.9' (2.7m) | 18.4' (5.6m) | 18.4' (5.6m) |
| 9.8' (3.0m) | 20.3' (6.2m) | 20.3' (6.2m) |

Orientation Indicators

