

## American Lighting ALC2-12-DB

# American Lighting ALC2 LED Complete 2 Undercabinet Fixture Instruction Manual

Model: ALC2-12-DB  
Brand: American Lighting

## PRODUCT OVERVIEW

The American Lighting ALC2-12-DB is a 12.25-inch LED undercabinet fixture in Dark Bronze, part of the LED Complete 2 Collection. This dimmable, energy-efficient fixture is designed for various installation needs, offering warm white light (3000K) with a high Color Rendering Index (CRI) of 90+. It boasts a long lifespan of up to 35,000 hours and provides high light output, being significantly brighter than traditional xenon undercabinet lights.

Its modular design allows for flexible installation with optional hardwire junction boxes, power cords, and linking cables (sold separately). The fixture features a full-length acrylic lens for even light diffusion, side power input for easy connections, and captive screws for quick mounting. Its low-profile design, under 1-inch high, ensures discreet integration under cabinets.



Image: The ALC2-12-DB LED undercabinet fixture, showcasing its slim profile and dark bronze finish.

## Key Features:

- Warm white 3000K LED light with 90+ CRI for accurate color representation.
- New design eliminates hot spots for uniform lens brightness.
- Easily link adjacent fixtures via inline connector or jumper cable (sold separately).
- Acrylic lens diffuses light evenly over the work area.
- Power input on the side for convenient cord or jumper connections.
- Low profile design, less than 1 inch high.
- Dimmable with most CL and ELV dimmers.
- ETL Listed for indoor dry locations.
- 35,000 hours rated life.
- ENERGY STAR certified.

## IMPORTANT SAFETY INFORMATION

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**WARNING:** These products may represent a possible shock or fire hazard if improperly installed or attached in any way. Products should be installed in accordance with these instructions, current electrical codes, and/or the current National Electric Code (NEC).

Read all instructions before beginning. Save these instructions for future use.

- To reduce the risk of fire, electric shock, or injury to persons, pay close attention to this manual and stay within its guidelines when using this product.
- Ensure that the voltage of your power supply is compatible (120V AC).
- Do not use this junction box or jumper cables for the ALC series (part numbers ALC-length-color) to provide power to any products other than the LED Complete fixtures (ALC Series).
- CAUTION: Do not exceed 5 AMPS maximum load.
- For use with 120V 60Hz power supply only.
- WARNING: DO NOT ELECTRIFY THE JUNCTION BOX UNTIL THE FOLLOWING CONDITIONS HAVE BEEN MET:
  - ALL FIXTURES CONNECTED TO JUNCTION BOX HAVE BEEN MOUNTED.
  - ALL OPEN ELECTRICAL PORTS ON JUNCTION BOX AND CONNECTED FIXTURES HAVE BEEN COVERED WITH ELECTRICAL PORT COVERS PROVIDED WITH THE FIXTURE.
- WARNING: TO PREVENT OVERHEATING, DO NOT INSTALL IN SMALL, ENCLOSED SPACES. TO PREVENT ELECTRICAL SHOCK, DO NOT INSTALL IN WET ENVIRONMENTS. FOR INDOOR, DRY LOCATION USE ONLY.
- Qualified electricians in accordance with local electrical codes should perform all installations.
- UL approved dimmers may be used with the LED Complete (ALC Series) dimmable under cabinet fixtures.
- This product is suitable for use in dimming circuits.
- Always disconnect electrical power to the product before cleaning or putting on or taking off parts.
- Do not operate this product if jumper cable has been damaged.
- Keep jumper cable away from sources of heat and heated surfaces.
- Do not operate this product in environments where aerosol sprays are being used or where oxygen is being administered.
- \*MOUNTING FIXTURES: See instructions supplied with the fixture, then follow instructions herein to supply power from the junction box to the fixture.
- For cleaning, use a soft, dry damp cloth. Do not use harsh chemicals or abrasives.

## SETUP AND INSTALLATION

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The ALC2 LED Complete 2 Undercabinet fixture offers flexible installation options, including direct wiring or connection via accessories (sold separately).

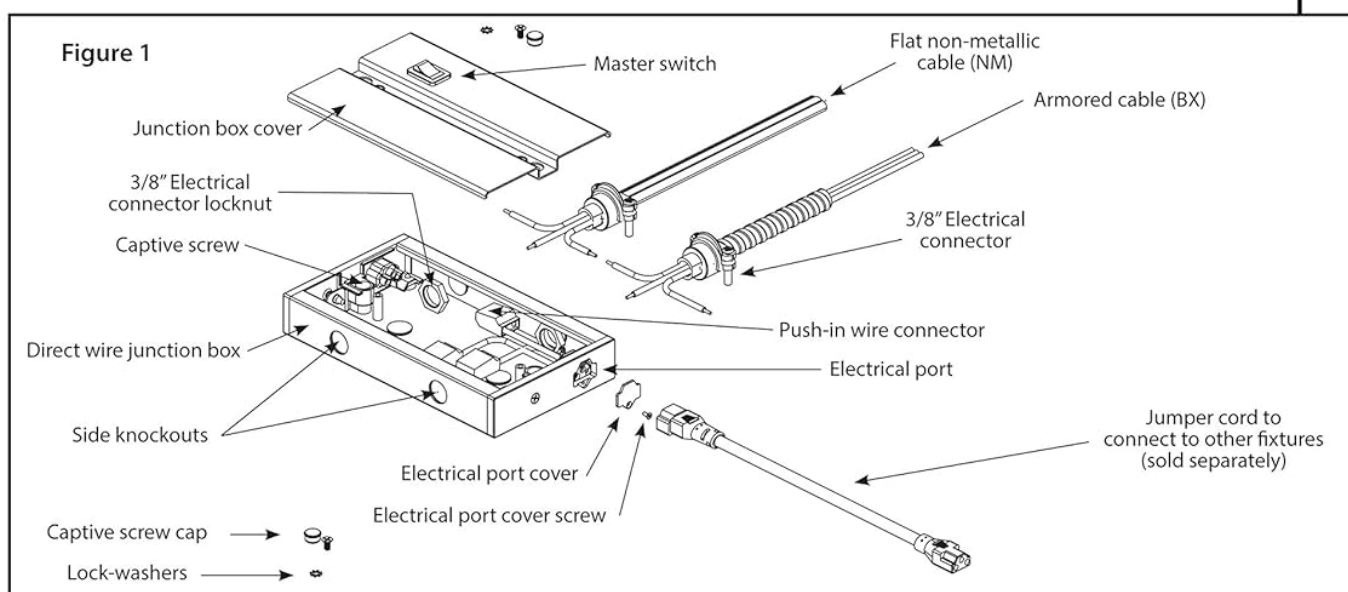
### **Mounting the Fixture:**

1. Determine locations for each fixture. For hardwire installations, connect supply wires via knockouts before mounting.
2. Use a Phillips head screwdriver or driver bit to tighten captive mounting screws and secure fixture to an appropriate mounting surface.

# 120V DIRECT WIRE JUNCTION BOX FOR LED COMPLETE

INSTALLATION INSTRUCTIONS FOR ALC-BOX-##

120V AC, 60Hz Operation



## DIRECT WIRE JUNCTION BOX INSTALLATION (See Figure 1, above)

1. Turn off power for appropriate electrical circuit at electrical service panel.
2. Remove junction box cover screws and remove cover. Save screws and lock-washers.
3. Prepare flat, non-metallic cable (NM)(2C+Ground) or armored cable (BX) by stripping conductor ends approximately 3/8".
4. For installation using 3/8" electrical connector to junction box (as shown), determine mounting orientation and remove one side knockout on desired side of junction box. Attach 3/8" electrical connector to junction box then affix 3/8" electrical connector to electrical supply (BX or NM). NM cable outer jacket must protrude through 3/8" electrical connector to adequately protect internal conductors.
5. Tighten locknut and clamping screw(s) on electrical connector, fitting securely.
6. Put stripped ends of wires into the push-in wire connectors (see Figure 1). Supply wires are typically color coded: Hot-black, Neutral-white, Ground-green or bare copper (see Wiring Diagram on previous page). Note that black supply wire goes into the connector with black wire, white with white, and green with green.
7. Push excess electrical supply wire back into wall and locate the junction box on mounting surface. Affix the junction box to the underside of the cabinet with captive screws provided. Be careful not to drive screws all the way through the cabinet bottom; Use shorter screws if necessary.
8. Replace and secure junction box cover with supplied screws. Make sure lock-washers are located beneath screw heads to properly ground cover.
9. Follow installation instructions provided with undercabinet light fixture. Mount fixture, and insert jumper wire (sold separately) or direct end-to-end connector (supplied with fixture) into appropriate electrical port of direct wire junction box.
10. Make sure that all fixtures connected to junction box are properly installed and that all open electrical ports on the module and fixtures are safely covered with electrical port covers.
11. Restore circuit power at electrical service panel. Turn on master switch on junction box and turn on switches for each individual fixture. Master switch can be used to control all fixtures simultaneously or fixtures can be operated individually.

## REMOTE CONNECTING JUNCTION BOX TO FIXTURE USING JUMPER CORD (SOLD SEPARATELY)

Do not attempt to modify the junction box or fixture in any way to make power connection. Jumper cords can connect to either or both electrical ports, depending upon layout needs. Jumper cords may be interconnected to create longer lengths. Do not connect more than five jumper cords between fixtures. Use only jumper cords listed below to make connections between junction box and fixture or between fixtures. Failure to follow these instructions will void warranty.

ALC-EX6-BK	6" jumper cord for ALC fixtures; Black
ALC-EX6-WH	6" jumper cord for ALC fixtures; White
ALC-EX12-BK	12" jumper cord for ALC fixtures; Black
ALC-EX12-WH	12" jumper cord for AL fixtures; White

Image: Page 1 of the installation instructions, showing mounting and wiring access.

## Connecting Power:

The ALC2 fixture can be powered by an adjacent fixture using linking cables, or hardwired directly via the Hardwire Junction Box (ALC-BOX, sold separately), or powered by a 120V power cord (ALC-PC6, sold separately).

### Connecting Power via Rear Access Door (Figures 1 & 2):

The rear access door is located in the center of the back of the fixture housing. It has its own knockout for quick connection to supply wires, bypassing the need to remove the lens cover and open the wiring compartment.

1. Remove knockout using a hammer or punch, then loosen the screw that secures the rear access door using a Phillips head screwdriver or driver bit.
2. Install the 3/8" cable connector (included) for the supply wire following National Electric Code and local codes through this knockout on the access door. Use 14AWG or 12AWG wire. AC should be protected by circuit breaker or fuse.
3. Strip back jacket on supply wires to 3/8" and use push-in connectors inside housing to connect the wires, matching polarity (Black=Black, Hot; White=White, Neutral; Yellow/Green=Ground). Ensure that push-in connectors are positioned on the housing side of the access door.
4. Replace rear access door and tighten retaining screw. Be sure that the wires are not pinched or damaged by any part of the housing or the cover.

# 120V LED COMPLETE 2 Undercabinet

PROJECT:  TYPE:

LOCATION:  CAT:



Dark Bronze



White

## Description

A modular LED undercabinet fixture with dimmable Warm White LEDs, a low profile housing and glare-free acrylic lens.

## Features

- Cool operation and high light output
- Powder coated aluminum housing
- Full length diffuse acrylic lens
- Multiple connection points hold PC board firmly against heat sink, optimizing heat dissipation and extending LED life
- Modular design with hardwire junction boxes, power cords, and linking cables (sold separately)
- Hardwire, modular, or plug-in power options

## Mounting

Captive mounting screws and quick stab wire connectors plus quick access door for hardwire installations. Captive mounting screw holes are located 9/16" from the side and 2" from the front of the fixture.

## Applications

Under-cabinets, Task Lighting

## Technical Information



DIMMABLE



Linkable



Indoor

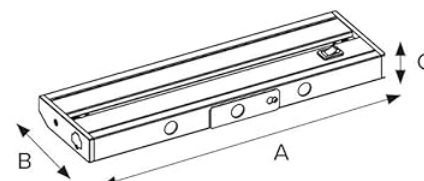


Intertek



ENERGY STAR

Length	8-3/4"		12-1/4"		18-1/4"		24-1/4"		32-3/4"		40-1/4"	
Finish	DB	WH	DB	WH	DB	WH	DB	WH	DB	WH	DB	WH
Voltage	120V AC, 60Hz											
CCT	3000K											
CRI	93+											
Wattage	3W		4W		6W		8W		11W		14W	
Lumens (up to)	175	180	250	270	375	415	475	515	650	770	800	955
Max Run	400 watts											
Beam Angle	120°											
Dimming	5-100% with most standard 2-wire and CL dimmers											
Rating	Energy Star, cETLus Listed, dry locations											
Rated Life	35,000 Hours											



Part Number	A	B	C
ALC2-8	8-3/4"	3-5/8"	15/16"
ALC2-12	12-1/4"	3-5/8"	15/16"
ALC2-18	18-1/4"	3-5/8"	15/16"
ALC2-24	24-1/4"	3-5/8"	15/16"
ALC2-32	32-3/4"	3-5/8"	15/16"
ALC2-40	40-1/4"	3-5/8"	15/16"



Easy access to wiring compartment

Convenient rear access door

1/2" knockouts located on back end and underside of fixture, spaced every 4"

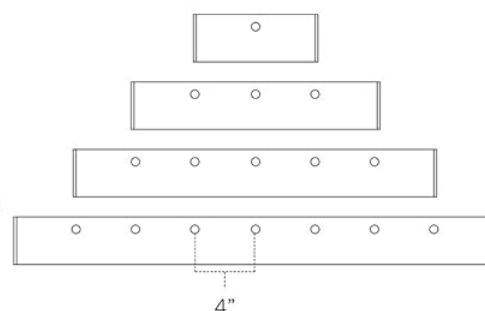


Image: Diagram illustrating the rear access door for wiring connections.

## Connecting Power via Supply Wires Through Housing Knockouts (Figures 6 & 7):

This type of installation is less common and typically only done when the rear access door cannot be utilized.

1. Open wiring compartment by removing screws on each end of the fixture cover from housing body.
2. Punch out whichever knockout is best suited for connection to 120V supply wire. Knockouts are located along back

and top of housing.

3. Install cable connector and connect fixture wires following National Electric Code and/or local building code requirements. Minimum 18AWG solid copper wire. AC should be 120V protected by circuit breaker or fuse.
4. Attach line voltage supply wires to fixture lead wires with wire nuts: Black to Black/Hot, White to White/Neutral and Yellow/Green (Ground) to Green or bare wire inside the fixture. Secure each connection using push-in wire connectors provided on the fixture lead wire.
5. Replace wiring compartment cover, ensuring no wires are pinched.



## INSTALLATION INSTRUCTIONS

### ALC2 Series



#### ⚠ WARNING

These products may represent a possible shock or fire hazard if improperly installed or attached in any way. Products should be installed in accordance with these instructions, current electrical codes, and/or the current National Electric Code (NEC).

#### ⚠ WARNING

To reduce the risk of fire, electric shock or injury to persons, make sure that the electrical power to the system is disconnected at the source prior to installation or any servicing.

#### ⚠ WARNING

Caution: Injury to persons and damage to the fixture and/or mounting surface may result if the fixture is pulled from the surface. To reduce the likelihood of such injury or damage, mount on a surface that is mechanically sound.

#### IMPORTANT SAFETY INFORMATION

- Read all instructions before beginning. Save these instructions for future use.
- To reduce the risk of fire, electric shock, or injury to persons, pay close attention to this manual and stay within its guidelines when using this product.
- **CAUTION:** To reduce the risk of electric shock or injuries to persons, use only insulated staples or plastic ties to secure cords and only route/secure cords to that they will not be pinched or damaged when the cabinet is pushed to the wall.
- **CAUTION:** To reduce the risk of electric shock or injuries to persons, do not operate fixture with missing or damaged lens or wiring compartment cover.
- **CAUTION:** To reduce the risk of electric shock or injuries to persons, do not operate without end connector cover(s) in place for any molex ports/connectors not in use.
- **WARNING! CAUTION - RISK OF FIRE:** Keep fixtures away from curtains and other combustible materials.
- Suitable for indoor dry locations only.
- Do not exceed the maximum load of 400 watts when interconnecting fixtures.
- Not intended for recessed installation in ceilings or soffits
- LEDs are bright! Do not look directly at LED light source.
- Do not touch LEDs.
- There are no serviceable parts inside the LED module.
- For cleaning, use a soft, dry or damp cloth. Do not use harsh chemicals or abrasives.

#### PRE-INSTALLATION NOTES:

LED Complete 2 fixtures can be hardwired directly via rear access door, or hardwired indirectly via the Hardwire Junction Box, or powered by a 120V receptacle. Fixtures can be powered by an adjacent fixture using linking cables. Determine installation method and purchase necessary accessories separately. Available Accessories (sold separately) include **ALC-BOX:** 120V Hardwire Junction Box **ALC-PC6:** 120V AC Power Cord (6ft length), and **ALC-EX:** Interconnectable linking/jumper cable (6" and 12" lengths). This product is suitable for use in dimming circuits. It is compatible with most standard TRIAC, CL, ELV and MLV dimmers (5-100% light control).

#### CONNECTING POWER VIA SUPPLY WIRES THROUGH REAR ACCESS DOOR (See Figures 1-4):

The rear access door is located in the center of the back of the fixture housing. It has its own knockout for quick connection to supply wires, foregoing the need to remove the lens cover and open the wiring compartment.

1. Remove knockout using a hammer or punch, then loosen the screw that secures the rear access door using a Philips head screwdriver or driver bit. See Figure 1.
2. Install the 3/8" cable connector (included) for the supply wire following National Electric Code and local codes through this knockout on the access door. See Figure 2. Use 14AWG or 12AWG wires. AC should be protected by circuit breaker or fuse.
3. Strip back jacket on supply wires to 3/8" and use push-in wire connectors inside housing to connect the wires, matching polarity (Black to Black = Hot, White to White = Neutral, Yellow/Green to Bare Wire = Ground) through knockout so that push-in connectors are positioned on the housing side of the access door. See Figure 3.
4. Replace rear access door and tighten retaining screw. Be sure that the wires are not pinched or damaged by any part of the housing or the cover. See Figure 4.

FIGURE 1

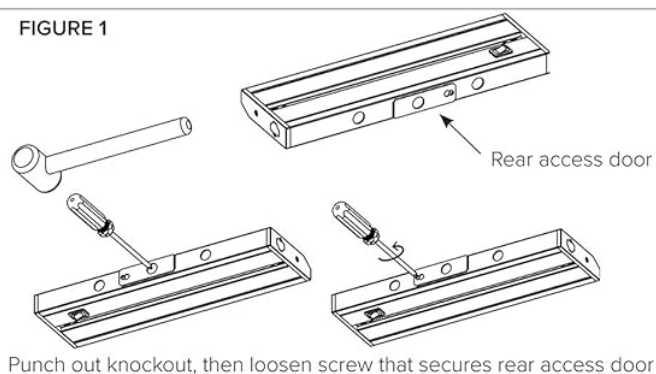


FIGURE 2

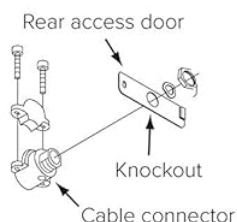


FIGURE 3

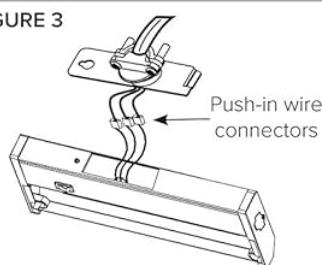


FIGURE 4

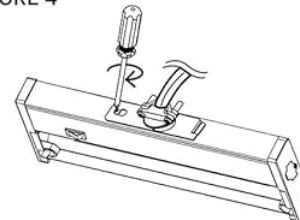


Image: Diagram showing wiring through housing knockouts.

#### Direct Wire Junction Box Installation (ALC-BOX, sold separately) (Figure 1, above):

This method is used to hardwire the fixture to a power source. The ALC-BOX is designed for use with LED Complete (ALC Series) Undercabinet Lights.

1. Turn off power for appropriate electrical circuit at electrical service panel.



2. Remove junction box cover screws and remove cover. Save screws and lock-washers.
3. Prepare flat, non-metallic cable (NM/2C+Ground) or armored cable (BX) by stripping conductor ends approximately 3/8".
4. For installation using 3/8" electrical connector (junction box as shown), determine mounting orientation and remove one side knockout on desired side of junction box. Attach 3/8" electrical connector to junction box then affix 3/8" electrical connector to electrical supply (BX or NM). NM cable outer jacket must protrude through 3/8" electrical connector to adequately protect internal conductors.
5. Tighten locknut and clamping screw(s) on electrical connector, fitting securely.
6. Use stripped ends of wires into the push-in wire connectors (see Figure 1). Supply wires are typically color coded: Hot-black, Neutral-white, Ground-green or bare copper.
7. Push excess electrical supply wire back into wall and locate the junction box on mounting surface. Affix the junction box to the underside of the cabinet with captive screws provided.
8. Replace and secure junction box cover with supplied screws. Make sure lock-washers are located beneath screw heads for proper ground.
9. Follow installation instructions provided with undercabinet light fixture. Mount fixture, and insert jumper wire (sold separately) or direct end-to-end connector (supplied with fixture) into appropriate electrical port of direct wire junction box.
10. Make sure that all fixtures connected to junction box are properly installed and that all open electrical ports on the module and fixtures are safely covered with electrical port covers.
11. Restore circuit power at electrical service panel. Turn on master switch on junction box and turn on switches for each individual fixture. Master switch can be used to control all fixtures simultaneously or fixtures can be operated individually.

## INSTALLATION INSTRUCTIONS

### ALC2 Series



#### MOUNTING FIXTURE:

1. Determine locations for each fixture. For hardwire installations, connect supply wires via knockouts before mounting.
2. Use a Philips head screwdriver or driver bit to tighten captive mounting screws and secure fixture to an appropriate mounting surface.

#### CONNECTING POWER VIA ALC-PC6 POWER CORD:

ALC-PC6 (optional 120V power cord, sold separately) has a polarized plug (one blade is wider than the other) as a feature to reduce the risk of electric shock. This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Never use with an extension cord unless the plug can be fully inserted. Do not alter plug.

1. Position fixture in desired location and use a Philips head screwdriver or driver bit to tighten captive mounting screws in order to secure the fixture to an appropriate mounting surface.
2. Remove the side port cover and insert the power cord into side port labeled "input" until fully seated.

#### INTERCONNECTING FIXTURES (SEE FIGURE 5):

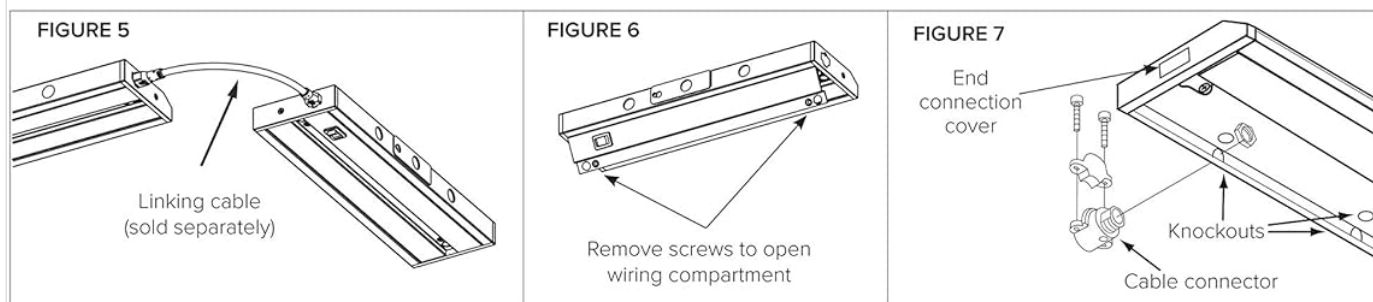
**Interconnecting via linking/jumper cable:** To interconnect nearby fixtures, remove the adjacent port covers and utilize the ALC-EX linking cable (sold separately) as shown in Figure 5. If needed, linking cables can be interconnected to make longer lengths.

**Interconnecting via end-to-end linking connector:** To interconnect fixtures directly to each other (end-to-end), utilize the in-line connector (included with each fixture) by removing adjacent port covers and inserting fully.

#### CONNECTING POWER VIA SUPPLY WIRES THROUGH HOUSING KNOCKOUTS (See Figures 6-7):

This type of installation is less common and typically only done when the rear access door cannot be utilized.

1. Open wiring compartment by removing screws at each end and lifting cover from housing body. See Figure 6.
2. Punch out whichever knockout is best suited for connection to 120V supply wires. Knockouts are located along back and top of housing. See Figure 7.
3. Install cable connector and connect fixture wires following National Electric Code and/or local building code requirements. Use minimum 18AWG solid copper wires. AC supply should be 120V protected by circuit breaker or fuse.
4. Attach line voltage AC supply wires to fixture lead wires: Black to Black/Hot, White to White/Neutral and Yellow/Green (Ground) to Green or bare wire inside the fixture. Secure each connection using push-in wire connectors provided on the fixture lead wire. If your system has no ground wire, consult a qualified electrician before proceeding with the installation. Note: Electric shock, overheating, low or no light output, and shortened fixture life can result if proper grounding is not done.
5. Replace the wiring compartment cover, securing with the existing retaining screws. Note: Be sure that the wires are not pinched or damaged by any part of the housing or the cover.
6. Follow directions above for mounting fixture.

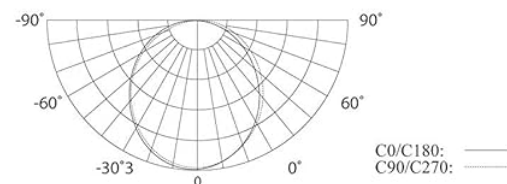


#### 5- YEAR LIMITED PRODUCT WARRANTY

This product is warranted to be free from defects in material and workmanship for a period of five years from the date of purchase. Products that prove to be defective during this period will be either repaired (i.e. replacement of defective electronics, defective parts of the fixture housing, lens, wiring, switching or lamp sockets; excluding the lamp) or replaced, at the discretion of American Lighting, Inc. Claims for defective products must be submitted to the retail location from which the product was purchased within the warranty period. Upon submission of proper return claim documentation and product to American Lighting, Inc. by the retailer, American Lighting, Inc. reserves the right to inspect the product for misuse or abuse. Claims for indirect or consequential damages or for product that, in American Lighting Inc's opinion has been misused will be denied. This is a warranty of product reliability only and not a warranty of merchantability or fitness for a particular purpose. American Lighting, Inc. shall have no liability whatsoever in any event for payment of incidental or consequential damages, including, without limitations, installation costs and damages for personal injury and property. These products may represent a possible shock or fire hazard if improperly installed or altered in any way. This warranty applies only to product that has been properly installed in accordance with instruction sheet and current local codes and/or the National Electrical Code. Warranty does not apply to any product that has been improperly installed or in situations where components have been altered in any way.

For questions, comments, technical assistance and/or repair parts, please call toll free at:  
 1-800-285-8051 (M-F 8am – 5pm, MST)

#### LIGHT DISTRIBUTION:



Model #	Amperage	Wattage
ALC2-8	0.025	3
ALC2-12	0.033	4
ALC2-18	0.05	6
ALC2-24	0.067	8
ALC2-32	0.091	11
ALC2-40	0.117	14

Image: Diagram illustrating the components and wiring for the direct wire junction box.

### Interconnecting Fixtures:

Adjacent fixtures can be linked using linking/jumper cables (ALC-EX6-BK/WH, ALC-EX12-BK/WH, sold separately) or end-to-end connectors (ALC-CON-BK/WH, sold separately).

- **Via Linking/Jumper Cable:** To interconnect nearby fixtures, remove the adjacent port covers and utilize the ALC-

EX linking cable (sold separately) as shown in Figure 5. If needed, linking cables can be interconnected to make longer lengths.

- **Via End-to-End Linking Connector:** To interconnect fixtures directly to each other (end-to-end), utilize the in-line connector (included with each fixture) by removing adjacent port covers and inserting fully.



## 120V DIRECT WIRE JUNCTION BOX FOR LED COMPLETE

INSTALLATION INSTRUCTIONS FOR ALC-BOX-##  
120V AC, 60Hz Operation

**WARNING:** These products may represent a possible shock or fire hazard if improperly installed or attached in any way. Products should be installed in accordance with these instructions, current electrical codes, and/or the current National Electric Code (NEC).

### WARNINGS: READ ALL INSTRUCTIONS BEFORE YOU START:

**CAUTION** - To reduce risk of fire, electric shock, or injury to persons, pay close attention to this manual and stay within its guidelines when using this product. Before use, note that this product requires a 120V AC power source. Ensure that the voltage of your power supply is compatible!

### IMPORTANT:

This Direct Wire Junction Box is to be used only with LED Complete (ALC Series) Under Cabinet Lights. It is designed to be wired using flat Non-Metallic Cable (NM) or Armored Cable (BX) supply wire.

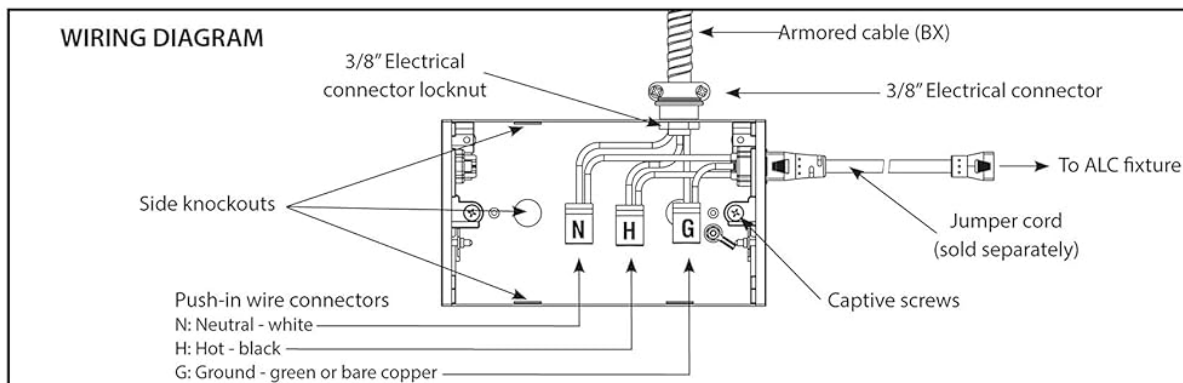
### IMPORTANT SAFETY INSTRUCTIONS

1. Read all instructions before beginning installation. Safely store these instructions for future reference.
2. Do not use this junction box or jumper cables for the ALC series (part numbers ALC-length-color) to provide power to any products other than the LED Complete fixtures (ALC Series).
3. **CAUTION:** Do not exceed 5 AMPS maximum load.
4. For use with 120V 60 Hz power supply only.
5. **WARNING: DO NOT ELECTRIFY JUNCTION BOX UNTIL THE FOLLOWING CONDITIONS HAVE BEEN MET:**
  - A. MOUNTING AND WIRING OF THE JUNCTION BOX IS COMPLETE.
  - B. THE JUNCTION BOX COVER HAS BEEN REPLACED AND SCREWS SECURELY FASTENED.
  - C. ALL FIXTURES CONNECTED TO JUNCTION BOX HAVE BEEN MOUNTED\*.
  - D. ALL OPEN ELECTRICAL PORTS ON JUNCTION BOX AND CONNECTED FIXTURES HAVE BEEN COVERED WITH ELECTRICAL PORT COVERS PROVIDED WITH THE FIXTURE.
6. **WARNING: TO PREVENT OVERHEATING, DO NOT INSTALL IN SMALL, ENCLOSED SPACES. TO PREVENT ELECTRICAL SHOCK, DO NOT INSTALL IN WET ENVIRONMENTS. FOR INTERIOR, DRY LOCATION USE ONLY.**
7. Qualified electricians, in accordance with local electrical codes, should perform all installations.
8. UL approved dimmers may be used with the LED Complete (ALC Series) dimmable under cabinet fixtures. This product is suitable for use in dimming circuits.
9. Always disconnect electrical power to this product before cleaning or putting on or taking off parts.
10. Do not operate this product if jumper cable has been damaged.
11. Keep jumper cable away from sources of heat and heated surfaces.
12. Do not operate this product in environments where aerosol sprays are being used or where oxygen is being administered.

\*MOUNTING FIXTURES: See instructions supplied with the fixture, then follow instructions herein to supply power from the junction box to the fixture. See reverse page and WIRING DIAGRAM below.

### ALTERNATE POWER CONNECTION

Power cords (sold separately) may be used to bring power from a 120V AC, 60 Hz outlet to the first fixture for a "plug-and-cord" installation: ALC-PC6-XX 6 foot power cord for ALC fixtures, Available in BK = Black, WH = White



## OPERATING INSTRUCTIONS

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The American Lighting ALC2 LED Complete 2 Undercabinet fixture is designed for simple operation once installed.

### Powering On/Off:

If connected to a wall switch or the master switch on a junction box (ALC-BOX), simply use the switch to turn the fixture on or off.

### Dimming Functionality:

This fixture is dimmable and compatible with most CL (CFL/LED) and ELV (Electronic Low Voltage) dimmers. For optimal performance, refer to the "Compatible Dimmers" section in the specifications or consult a qualified electrician for dimmer compatibility.

Adjust the dimmer switch to achieve the desired light level. The fixture provides warm white light at 3000K.

## MAINTENANCE

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The ALC2 LED Complete 2 Undercabinet fixture requires minimal maintenance due to its long-lasting LED technology.

### Cleaning:

- Always disconnect electrical power to the product before cleaning.
- For cleaning, use a soft, dry, or damp cloth.
- Do not use harsh chemicals, abrasive cleaners, or solvents, as these can damage the fixture's finish or acrylic lens.

### LED Module:

There are no serviceable parts inside the LED module. Do not attempt to open or repair the LED module yourself.

## TROUBLESHOOTING

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If you encounter issues with your ALC2 LED Complete 2 Undercabinet fixture, please refer to the following common troubleshooting steps:

- **Fixture does not turn on:**
  - Ensure the electrical circuit breaker or fuse supplying power to the fixture is not tripped or blown.
  - Verify that all electrical connections are secure and correctly wired according to the installation instructions.
  - Check if the wall switch or any master switch controlling the fixture is in the "ON" position.
  - If using a junction box, ensure the master switch on the junction box is "ON" and all electrical ports are covered.
- **Light output is inconsistent or flickering:**
  - Ensure the dimmer switch (if installed) is compatible with LED fixtures and is set correctly. Incompatible dimmers can cause flickering.
  - Check all linking cable connections between fixtures to ensure they are secure.
- **Fixture is damaged:**
  - Do not operate the product if the jumper cable or any part of the fixture has been damaged. Contact customer support for assistance.
- **Fixture is too hot:**

- Ensure the fixture is not installed in a small, enclosed space that could lead to overheating. Adequate ventilation is required.

For issues not resolved by these steps, please contact American Lighting customer support.

## SPECIFICATIONS

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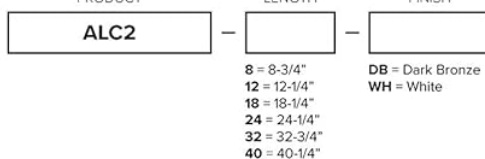
## Ordering Information

ALC2

PRODUCT

LENGTH

FINISH

**ALC2 fixtures include:**




- (1) 3/8" Clamp connector
- (1) Inline/direct connector
- (2) Captive mounting screws
- (2) Mounting hole covers

Example Part # **ALC2-32-DB**

## Recommended Power Supplies

Part Number	Description	Finish	Application	Primary & Secondary	Total Wattage	Listing	Dimensions
ALC-BOX-DB	Hardwire box with male/female Molex connections, end power connection ports, (6) 3/8" knockouts, and On/Off rocker switch	Dark Bronze	Dry location	120V AC	150 x 2	cETLus	7-3/8"L x 2-1/8"W x 1"H
ALC-BOX-WH		White					
ALC-PC6-BK	6ft power cord with 3-prong grounded plug and Molex connector	Black	Dry location	120V AC	150	cETLus	6ft length
ALC-PC6-WH		White					

## Accessories

Image	Part Number	Length	Finish	Description
	ALC-EX6-BK	6"	Black	Linking cable; 18AWG wire with male/female molex connectors; cETLus Listed
	ALC-EX12-BK	12"		
	ALC-EX6-WH	6"	White	Linking cable; 18AWG wire with male/female molex connectors; cETLus Listed
	ALC-EX12-WH	12"		
	ALC-CON-BK	N/A	Black	Replacement in-line connector for end-to-end connections; cETLus Listed
	ALC-CON-WH		White	

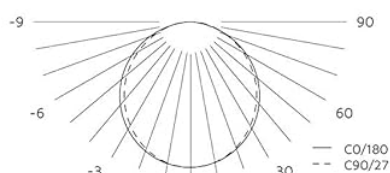
## Compatible Dimmers

Brand	Model #	Type	Dimming Range	Notes
Lutron® Diva	DVCL-153P	Universal (CFL/LED/Incandescent)	5-100%	
Lutron® Diva	DVELV-300P	Electronic Low Voltage (ELV)	5-100%	
Leviton® Sureslide	6613	Magnetic Low Voltage (MLV)	5-100%	

Dimmer performance may vary in field application due to unknown external factors. Dimmers not included on the chart above are not necessarily incompatible; they have yet to be fully evaluated. Please reference dimmer manufacturer's instructions for more detailed information regarding performance and compatibility.

## Photometrics

LED Complete 2



Model #	Amperage	Wattage
ALC2-8-xx	0.03	3W
ALC2-12-xx	0.03	4W
ALC2-18-xx	0.05	6W
ALC2-24-xx	0.07	8W
ALC2-32-xx	0.09	11W
ALC2-40-xx	0.12	14W

Image: Diagram showing ordering information, available sizes, finishes, and compatible accessories.

## General Product Specifications

Attribute	Value
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Attribute	Value
Brand	American Lighting
Model Name	LED Complete 2 Collection
Part Number	ALC2-12-DB
Color	Dark Bronze
Size	12 inches (12.25 x 4 x 0.94 inches)
Material	Glass, Acrylic (Shade)
Style	1-Pack
Room Type	Kitchen
Indoor/Outdoor Usage	Indoor
Power Source	Corded Electric (accessories sold separately)
Installation Type	Surface Mount, Under Cabinet
Special Feature	Dimmable
Control Method	Touch (via compatible dimmer)
Light Source Type	LED
Finish Type	Bronze
Number of Light Sources	2
Voltage	120 Volts
Light Color	Warm White (3000K)
Wattage	4 watts
Brightness	238 Lumens
Efficiency	59.5 lumens per watt
Rated Life	35,000 hours
UPC	714176005461

Compatible Dimmers:

Brand	Model #	Type	Dimming Range
Lutron Diva	DVCL-153P	Universal (CFL/LED/Incandescent)	5-100%
Lutron Diva	DVELV-300P	Electronic Low Voltage (ELV)	5-100%
Lutron Sureslide	6613	Magnetic Low Voltage (MLV)	5-100%

Note: Dimmer performance may vary in field application due to unknown external factors. Dimmers not included on the chart above are not necessarily

incompatible; they have yet to be fully evaluated. Please reference dimmer manufacturer's instructions for more detailed information regarding performance and compatibility.

## WARRANTY INFORMATION

### 5-Year Limited Product Warranty:

This product is warranted to be free from defects in material and workmanship for a period of five years from the date of purchase. This warranty applies to the fixture during this period and will be either repaired (i.e. replacement of defective electronic components) or replaced (i.e. replacement of the entire fixture, lamp sockets, excluding the lamp) or replaced, at the discretion of American Lighting, Inc. Claims for defective products must be submitted to the retail store from which the product was purchased to obtain warranty. Upon submission of proper return claim documentation and product to American Lighting, Inc. by the retailer, American Lighting, Inc. will reserve the right to inspect the product for misuse or abuse. Claims for defects or inconveniences of products that are not an American Lighting, Inc. original product will be denied. This is a warranty of product reliability only and not a warranty of merchantability or fitness for a particular purpose. American Lighting, Inc. shall have no liability whatsoever for incidental or consequential damages, including without limitations, installation costs and damages for personal injury and property. These products may represent a possible shock or fire hazard if improperly installed or attached in any way. This warranty applies only to products that have been installed in accordance with instruction sheet and current local codes and/or the National Electrical Code. Warranty does not apply to any product that has been improperly installed or in situations where components have been altered in any way.

For questions, comments, technical assistance or an inquiry, please call toll free at: 1-800-285-8051 (M-F 8am - 5pm, MST).

## CUSTOMER SUPPORT

For further assistance, technical support, or warranty claims, please contact American Lighting:


- **Phone:** 1-800-285-8051 (Monday - Friday, 8:00 AM - 5:00 PM MST)
- **Website:** [www.americanlighting.com](http://www.americanlighting.com)
- **Amazon Store:** [Visit the American Lighting Store on Amazon](#)

Please have your product model number (ALC2-12-DB) and purchase information ready when contacting support.

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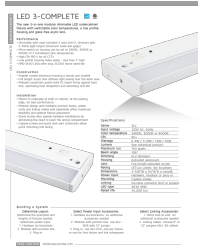
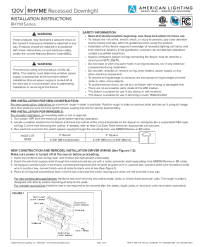

This manual is for informational purposes only and may be subject to change without notice.

## Related Documents

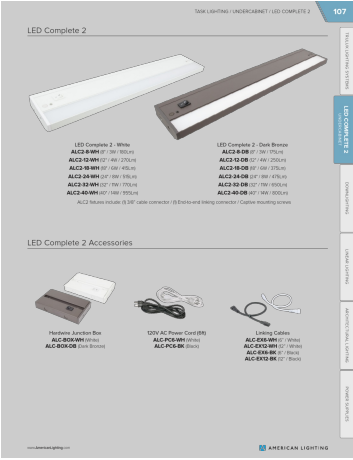


[American Lighting COMPLETE 2 LED Under Cabinet Light](#)

Discover the American Lighting COMPLETE 2 LED Under Cabinet Light. This document details product features, specifications, dimensions, ordering information, accessories, and a 5-year limited warranty for energy-efficient, high-quality illumination.

	<p><a href="#">American Lighting LED 3-COMPLETE Undercabinet Fixture: Features, Specs, and Accessories</a></p> <p>Explore the American Lighting LED 3-COMPLETE modular dimmable LED undercabinet fixture. Discover its performance, construction, installation guide, specifications, and available accessories for versatile lighting solutions.</p>
	<p><a href="#">American Lighting RHYM Series 120V Recessed Downlight Installation Guide</a></p> <p>Comprehensive installation instructions for the American Lighting RHYM Series 120V recessed downlight, covering safety, new construction and remodel installation, wiring, optic lens replacement, care, maintenance, FCC compliance, and warranty.</p>
	<p><a href="#">American Lighting ATOM Power Strip: Low Profile, USB-A/C, 20A Receptacles</a></p> <p>Explore the American Lighting ATOM Power Strip, a versatile and low-profile power distribution solution. Featuring 20A tamper-resistant receptacles, integrated USB-A and USB-C ports, and available in multiple lengths and finishes for clean, modern installations.</p>

Documents - American Lighting – ALC2-12-DB



[\[pdf\]](#) Accessories Catalog

Catalog Page American Lighting ALC2 18 DB LED Undercabinet Complete 2 Series Dark Bronze Gexpro alc2 12 db i C8DE67C5 33BE 4A47 9601 D821F373EC9F rexel cdn products |||

LED Complete 2 TASK LIGHTING / UNDERCABINET / LED COMPLETE 2 107

TRULUX LIGHTING SYSTEMS LED COM ... W / 770Lm ALC2-40-WH 40 / 14W / 955Lm LED Complete 2 - Dark Bronze ALC2-8-DB 8 / 3W / 175Lm **ALC2-12-DB 12 / 4W / 250Lm ALC2-18-DB 18 / 6W / 375Lm ALC2-24-DB 24 / 8W / 475Lm ALC2-32-DB...**

lang:en score:25 filesize: 278.1 K page\_count: 1 document date: 2018-05-21



[pdf] Specifications Dimension Guide Accessories Catalog

Fiche de Specification Éclairage d armoire American Lighting ALC2 32 WH Égalisation des prix Lumenco  
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TASK LIGHT / COMPLETE 2 COMPLETE 2 LED Under Cabinet Light Choose from  
six energy efficient fixture ... -DB 3000K 8 175Lm 3W 120V AC 93 1200 ALC2-8-WH  
3000K 8 180Lm 3W 120V AC 93 1200 **ALC2-12-DB** 3000K 12 250Lm 4W 120V AC  
93 1200 ALC2-12-WH 3000K 12 270Lm 4W 120V AC 9...

lang:en score:20 filesize: 385.33 K page\_count: 3 document date: 2025-01-28



American Lighting COMPLETE 2 LED Under Cabinet Light

Discover the American Lighting COMPLETE 2 LED Under Cabinet Light. This  
document details product features, specifications, dimensions, ordering information,  
accessories, and a 5-year limited warranty for energy-efficient, high-quality  
illumination.

lang:en score:19 filesize: 401.23 K page\_count: 3 document date: 2023-04-06



[pdf] Specifications Accessories Catalog

LED Complete 2 Spec Sheet COMPLETE American Lighting SpecSheet ALC2 cdn sanity io files  
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TASK LIGHT / COMPLETE 2 COMPLETE 2 LED Under Cabinet Light Choose from  
six energy efficient fixture ... -DB 3000K 8 175Lm 3W 120V AC 93 1200 ALC2-8-WH  
3000K 8 180Lm 3W 120V AC 93 1200 **ALC2-12-DB** 3000K 12 250Lm 4W 120V AC  
93 1200 ALC2-12-WH 3000K 12 270Lm 4W 120V AC 9...

lang:en score:19 filesize: 397.52 K page\_count: 3 document date: 2022-06-21



106 TASK LIGHTING / UNDERCABINET / LED COMPLETE 2



**LED Complete 2**  
A modular LED undercabinet fixture with dimmable Warm White LEDs, a low profile housing and glare-free lens design.

**Features**

- >3000K color temperature and 50K CRI
- Efficient warm ambient lighting
- Efficient up to 70 lumens per watt
- Available up to 4000mm
- Low profile design - less than 1" high
- Plug-in or hard-wire capable
- Dimmable with most CL and ECU dimmers
- ETL Listed for safety by UL
- 35,000 hours rated life
- UL9000 ETL certified

**Available Sizes**  
12" x 1/2" / 18" x 1/2" / 24" x 1/2" / 30" x 1/2"

**Available Finishes**

White Dark Bronze

**Dimming Options**

- CL-DL 100V
- ECU-DL 100V

**Listing / Ratings**

AMERICAN LIGHTING

**LED Complete 2**  
Choose from an energy efficient fixture lengths in two finishes. Easy installation with simple wiring (plug-in or hard-wire). Dark bronze also has strong components, and handy accessories such as hardware (see and listing catalog). Multiple fixture can also be mixed along with an other connector including Long life, high CRI and convenient dimming are additional benefits.

**Technical Information**

Series	ALC2
Input voltage	120V AC, 60Hz
Wattage	14W
Beam angle	120°
Beam type	120°
Color temperature	3000K
Dimmable	Yes
Dimmer	CL-DL 100V, ECU-DL 100V
Rating	35,000 hrs
Rated life	35,000 hrs

## [pdf] Accessories

american lighting led complete 2 cutsheet shineretrofits mw link id 11910

106 TASK LIGHTING / UNDERCABINET / LED COMPLETE 2 TRULUX LIGHTING SYSTEMS LED COMPLETE 2 UNDERCAB ... W / 770Lm ALC2-40-WH 40 / 14W / 955Lm LED Complete 2 - Dark Bronze ALC2-8-DB 8 / 3W / 175Lm **ALC2-12-DB** 12 / 4W / 250Lm ALC2-18-DB 18 / 6W / 375Lm ALC2-24-DB 24 / 8W / 475Lm ALC2-32-DB...

lang:en **score:16** filesize: 1.39 M page\_count: 2 document date: 0000-00-00

LED COMPLETE 2



**LED COMPLETE 2**  
A modular LED undercabinet fixture with dimmable Warm White LEDs, a low profile housing and glare-free lens design.

**Performance**

- >3000K color temperature and 50K CRI
- Efficient warm ambient lighting
- Efficient up to 70 lumens per watt
- Available up to 4000mm
- Low profile design - less than 1" high
- Plug-in or hard-wire capable
- Dimmable with most CL and ECU dimmers
- ETL Listed for safety by UL
- 35,000 hours rated life
- UL9000 ETL certified

**Construction**

- Choose from an energy efficient fixture lengths in two finishes. Easy installation with simple wiring (plug-in or hard-wire). Dark bronze also has strong components, and handy accessories such as hardware (see and listing catalog). Multiple fixture can also be mixed along with an other connector including Long life, high CRI and convenient dimming are additional benefits.

**Technical Information**

Series	ALC2
Input voltage	120V AC, 60Hz
Wattage	14W
Beam angle	120°
Beam type	120°
Color temperature	3000K
Dimmable	Yes
Dimmer	CL-DL 100V, ECU-DL 100V
Rating	35,000 hrs
Rated life	35,000 hrs

**Building a System**

**Determine Layout:**  
Determine the hardware and length of fixture needed.  
Determine power input.  
Determine the finish.  
2. Module with junction box  
3. Plug-in

**Select Power Input Accessories:**  
1. Hardware (see hardware catalog)  
2. Module with junction box, use ALC2-DB with 12" power  
3. Plug-in, use ALC2-DB, use per fixture or use for first fixture and the subsequent

**Select Listing Accessories:**  
1. Dark bronze (see listing catalog)  
2. Listing catalog, choose 12" or 18" power (ALC2-DB listed)

## [pdf] Catalog

Catalog Page American Lighting ALC2 40 WH Modular LED Undercabinet Fixture 120V 14W White Rexel

USA american lighting alc212wh catalog page i DF2A28C7 2DD9 4286 A96D 01746C195104 rexel cdn products |||

LED COMPLETE 2 UNDERCABINE T LED COMPLETE 2 A modular LED undercabinet fixture with dimmable Warm ... LED COMPLETE 2 LED Complete 2 - Dark Bronze LED Complete 2 - White ALC2-8-DB 8-3/4 / 3W / 175Lm **ALC2-12-DB** 12-1/4 / 4W / 250Lm ALC2-18-DB 18-1/4 / 6W / 375Lm ALC2-24-DB 24-1/4 / 8W / 500Lm ALC2...

lang:en **score:16** filesize: 329.13 K page\_count: 2 document date: 2017-08-25

LED COMPLETE 2



**LED COMPLETE 2**  
A modular LED undercabinet fixture with dimmable Warm White LEDs, a low profile housing and glare-free lens design.

**Performance**

- >3000K color temperature and 50K CRI
- Efficient warm ambient lighting
- Efficient up to 70 lumens per watt
- Available up to 4000mm
- Low profile design - less than 1" high
- Plug-in or hard-wire capable
- Dimmable with most CL and ECU dimmers
- ETL Listed for safety by UL
- 35,000 hours rated life
- UL9000 ETL certified

**Construction**

- Choose from an energy efficient fixture lengths in two finishes. Easy installation with simple wiring (plug-in or hard-wire). Dark bronze also has strong components, and handy accessories such as hardware (see and listing catalog). Multiple fixture can also be mixed along with an other connector including Long life, high CRI and convenient dimming are additional benefits.

**Technical Information**

Series	ALC2
Input voltage	120V AC, 60Hz
Wattage	14W
Beam angle	120°
Beam type	120°
Color temperature	3000K
Dimmable	Yes
Dimmer	CL-DL 100V, ECU-DL 100V
Rating	35,000 hrs
Rated life	35,000 hrs

**Building a System**

**Determine Layout:**  
Determine the hardware and length of fixture needed.  
Determine power input.  
Determine the finish.  
2. Module with junction box  
3. Plug-in

**Select Power Input Accessories:**  
1. Hardware (see hardware catalog)  
2. Module with junction box, use ALC2-DB with 12" power  
3. Plug-in, use ALC2-DB, use per fixture or use for first fixture and the subsequent

**Select Listing Accessories:**  
1. Dark bronze (see listing catalog)  
2. Listing catalog, choose 12" or 18" power (ALC2-DB listed)

## [pdf] Catalog

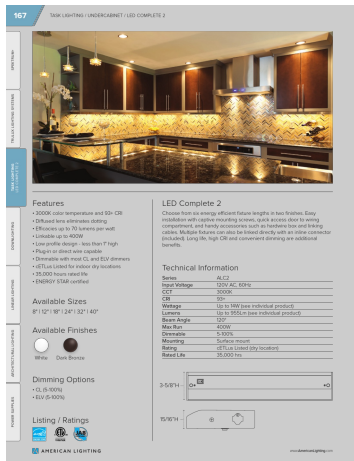
Catalog Page American Lighting ALC2 24 WH LED Undercabinet Fixture 8W 515L 3000K 120V White

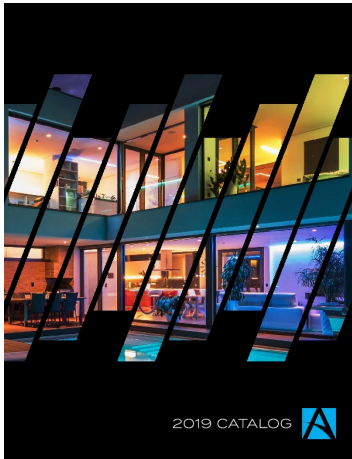
PLATT ELECTRIC SUPPLY american lighting 2tlpwr catalog page i FE794C56 F829 4423 B006

3D2B5AABAB2E rexel cdn products |||

LED COMPLETE 2 UNDERCABINE T LED COMPLETE 2 A modular LED undercabinet fixture with dimmable Warm ... LED COMPLETE 2 LED Complete 2 - Dark Bronze LED Complete 2 - White ALC2-8-DB 8-3/4 / 3W / 175Lm **ALC2-12-DB** 12-1/4 / 4W / 250Lm ALC2-18-DB 18-1/4 / 6W / 375Lm ALC2-24-DB 24-1/4 / 8W / 500Lm ALC2...

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[\[pdf\]](#) Specifications Catalog

Resources catalog american lighting 2019 web 216 92 145 71 assets |||

2019 CATALOG For the most current product specifications and ordering information

Please visit us ... W / 770Lm ALC2-40-WH 40 / 14W / 955Lm LED Complete 2 - Dark

Bronze ALC2-8-DB 8 / 3W / 175Lm **ALC2-12-DB** 12 / 4W / 250Lm ALC2-18-DB 18 /

6W / 375Lm ALC2-24-DB 24 / 8W / 475Lm ALC2-32-DB...

lang:en **score:11** filesize: 41.24 M page\_count: 228 document date: 2019-01-03