



LITHONIA LIGHTING IE10WCP Stack Switch Installation Guide

Home » LITHONIA LIGHTING » LITHONIA LIGHTING IE10WCP Stack Switch Installation Guide

Contents

- 1 LITHONIA LIGHTING IE10WCP Stack
- **2 Product Information**
- **3 Product Usage Instructions**
- 4 MODELS
- **5 TOOLS REQUIRED**
- **6 IMPORTANT SAFETY INSTRUCTIONS**
- **7 PRODUCT OVERVIEW**
- **8 WIRE ACCESS ZONES**
- 9 WIRING
- **10 MOUNTING**
- 11 CONTROLS/OPTIONS
- 12 Documents / Resources
 - 12.1 References
- **13 Related Posts**



LITHONIA LIGHTING IE10WCP Stack Switch



Product Information

Specifications

- Models: STAKS 1X4 ALO6 SWW7 IE10WCP, STAKS 2X2 ALO3 SWW7 IE10WCP, STAKS 2X4 ALO6 SWW7 IE10WCP
- Models: STAKS 1X4 ALO6 SWW7 CP, STAKS 2X2 ALO3 SWW7 CP, STAKS 2X4 ALO6 SWW7 CP
- 5-Year Limited Product Warranty
- Product Date: 3/6/2024

Product Usage Instructions

Important Safety Instructions

Read and follow all safety instructions provided in the manual. Save the instructions and deliver them to the owner after installation.

- Warning Risk of Electric Shock: Follow proper instructions when dealing with connectors.
- Caution Risk of Injury: Ensure correct type, burning position, mounting locations/methods, replacement, and recycling.
- Warning Risk of Burn: Be cautious about substances affected by heat or drying.
- Caution Risk of Fire: Follow guidelines to prevent fire hazards.

Installation Instructions

This product must be installed by a person familiar with construction and operation hazards. Ensure luminaire is securely mounted using appropriate hardware.

Above Ceiling Access Required

Product Overview

Note:

Illustrations for reference only. Actual fixture may slightly differ. Refer to the specification sheet for orderable options.

- Fig 1: Back of Emergency Fixture
- Fig 2: Back of Chicago Plenum Fixture
- Fig 3: Emergency Wiring Access
- Fig 4: Chicago Plenum Access

Wiring Instructions

- 1. Using a screwdriver, remove access plate with grid power OFF.
- 2. Make electrical connections from supply and ground as per local codes.
- 3. Reinstall access plate securely.

FAQ

Q: What should I do if I encounter a wiring issue during installation?

A: If you encounter any wiring issues, stop installation immediately and consult a professional electrician to avoid any risks.

MODELS

- STAKS 1X4 ALO6 SWW7 IE10WCP
- STAKS 2X2 ALO3 SWW7 IE10WCP
- STAKS 2X4 ALO6 SWW7 IE10WCP
- STAKS 1X4 ALO6 SWW7 CP
- STAKS 2X2 ALO3 SWW7 CP
- STAKS 2X4 ALO6 SWW7 CP

5-YEAR LIMITED PRODUCT WARRANTY

Visit <u>www.acuitybrands.com</u> to view the terms and conditions of your Acuity Brands Lighting, Inc. limited warranty.

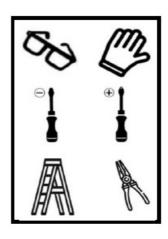
Protect yourself. Before installing, read these instructions carefully and save them for future reference.

Date Installed:

TOOLS REQUIRED

TOOLS REQUIRED FOR INSTALLATION

- Safety Glasses
- Protective Gloves
- Flat Blade Screwdriver
- Philips Screwdriver
- Ladder
- · Wire Strippers



IMPORTANT SAFETY INSTRUCTIONS

READ AND FOLLOW ALL SAFETY INSTRUCTIONS! SAVE THESE INSTRUCTIONS AND DELIVER TO OWNER AFTER INSTALLATION

- To reduce the risk of death, personal injury, or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards please read all warnings and instructions included with and on the fixture box and all fixture labels.
- Before installing, servicing, or performing routine maintenance on this equipment, follow these general precautions.
- Installation and service of luminaires should be performed by a qualified licensed electrician.
- Maintenance of the luminaires should be performed by a person(s) familiar with the luminaires' construction and operation and any hazards involved. Regular fixture maintenance programs are recommended.
- It will occasionally be necessary to clean the outside of the refractor/lens. The frequency of cleaning will depend on ambient dirt level and minimum light output which is acceptable to the user. The refractor/lens should be washed in a solution of warm water and any mild, non-abrasive household detergent, rinsed with clean water, and wiped dry. Should the optical assembly become dirty on the inside, wipe the refractor/lens and clean in the above manner, replacing damaged gaskets as necessary.
- DO NOT INSTALL DAMAGED PRODUCT! This luminaire has been properly packed so that no parts should have been damaged during transit. Inspect to confirm. Any part damaged or broken during or after assembly should be replaced.
- Recycle: For information on how to recycle LED electronic products, please visit www.epa.gov.
- These instructions do not purport to cover all details or variations in equipment nor to provide every possible contingency to meet in connection with installation, operation, or maintenance. Should further information be desired or should particular problems arise that are not covered sufficiently for the purchaser's or owner's purposes, this matter should be referred to Acuity Brands Lighting, Inc.

WARNING RISK OF ELECTRIC SHOCK

- Disconnect or turn off power before installation or servicing.
- Verify that the supply voltage is correct by comparing it with the luminaire label information.
- Make all electrical and grounded connections by the National Electrical Code (NEC) and any applicable local code requirements.
- All wiring connections should be capped with UL-approved recognized wire connectors.

CAUTION RISK OF INJURY

- Wear gloves and safety glasses at all times when removing luminaire from cartons, installing, servicing, or performing maintenance.
- Avoid direct eye exposure to the light source while it is on.

WARNING RISK OF BURN

- Allow lamp/fixture to cool before handling. Do not touch the enclosure or light source.
- Do not exceed the maximum wattage marked on the luminaire label.
- Follow all manufacturer's warnings, recommendations, and restrictions for driver type, burning position, mounting locations/methods, replacement, and recycling.

CAUTION RISK OF FIRE

- Keep combustible and other materials that can burn, away from lamp/lens.
- Do not operate near persons, combustible materials, or substances affected by heat or drying.

CAUTION: RISK OF PRODUCT DAMAGE

- Never connect components under load.
- Do not mount or support these fixtures in a manner that can cut the outer jacket or damage wire insulation.
- Unless individual product specifications deem otherwise: Never connect an LED product to dimmer packs, occupancy sensors, timing devices, or other related control devices. LED fixtures must be powered directly off a switched circuit.
- Unless individual product specifications deem otherwise: Do not restrict fixture ventilation. Allow for some volume of airspace around the fixture. Avoid covering LED fixtures with insulation, foam, or other material that will prevent convection or conduction cooling.
- Unless individual product specifications deem otherwise: Do not exceed fixtures' maximum ambient temperature.
- Only use the fixture in its intended location.
- LED products are Polarity Sensitive. Ensure proper Polarity before installation.
- Electrostatic Discharge (ESD): ESD can damage LED fixtures. Personal grounding equipment must be worn during all installation or servicing of the unit.
- Do not touch individual electrical components as this can cause ESD, shorten lamp life, or alter performance.
- Some components inside the fixture may not be serviceable. In the unlikely event, that your unit may require service, stop using the unit immediately and contact an ABL representative for assistance.
- Always read the fixture's complete installation instructions before installation for any additional fixture-specific warnings.
- Verify that the power distribution system has proper grounding. Lack of proper earth ground can lead to fixture failure and may void the warranty.

All luminaires that contain electronic devices that generate frequencies above 9kHz from any component within the luminaire comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference (2) This device must accept any interference received, including

interference that may cause undesired operation. Failure to follow any of these instructions could void product warranties. For a complete listing of product Terms and Conditions, please visit www.acuitybrands.com. Acuity Brands Lighting, Inc. assumes no responsibility for claims arising out of improper or careless installation or handling of its products.

ABL LED General Warnings, Form No. 503.203 © 2010 Acuity Brands Lighting, Inc. All rights reserved.

STAKS LED INSTALLATION INSTRUCTIONS

THIS PRODUCT MUST BE INSTALLED UNDER THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED

Caution:

MAKE SURE THE LUMINAIRE IS MOUNTED TO A SECURE STRUCTURE. USE APPROPRIATE MOUNTING HARDWARE TO INSTALL FIXTURE RATED FOR YOUR APPLICATION. FAILURE TO MOUNT FIXTURE CORRECTLY COULD RESULT IN SERIOUS INJURY.

ABOVE-CEILING ACCESS REQUIRED

PRODUCT OVERVIEW

- NOTE: Illustrations are used for reference only and can differ slightly from the actual fixture being installed.
 - Key components are represented as accurately as possible.
 - Please see the specification sheet for a description of orderable options.

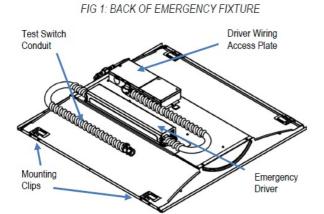
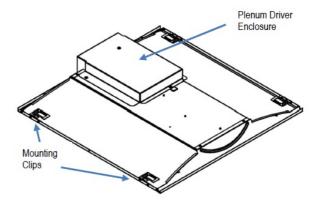


FIG 2: BACK OF CHICAGO PLENUM FIXTURE



WIRE ACCESS ZONES

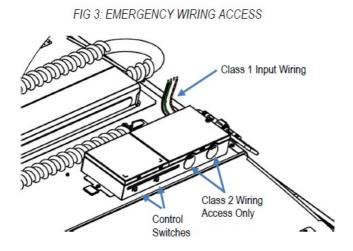
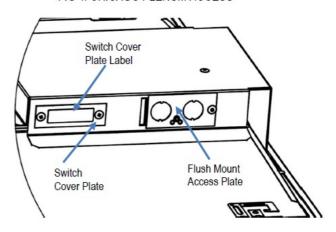


FIG 4: CHICAGO PLENUM ACCESS



- 1. Using a screwdriver (not supplied), remove the access plate as shown in Figures 3 & 4, with grid power OFF make electrical connections from the supply and properly ground as local codes dictate. See Figure 5.
 - · GREEN wire Ground
 - WHITE wire Neutral line in
 - BLACK wire Hotline in
- 2. If the dimming leads (purple & pink) aren't being used, cap them off (if not already done).

Dimming leads are for low-voltage dimming only.

- PURPLE wire 0-10V (+) (can be capped off if not in use)
- PINK wire 0-10V (-) (can be capped off if not in use)
- 3. Reinstall the access plate with a screwdriver.

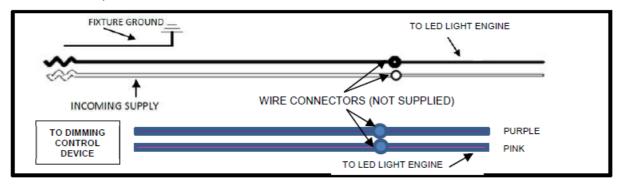
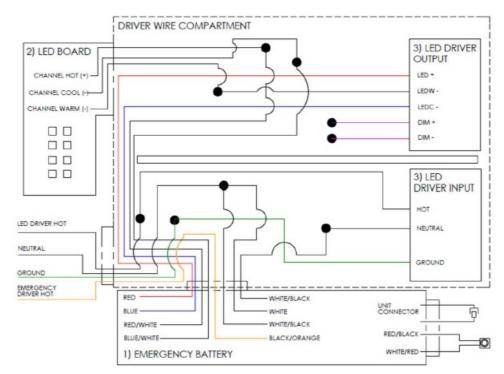


FIG 5: WIRING DIAGRAM

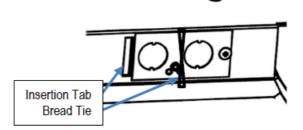
- (OPTION) Set the adjustable lumen and selectable white switches (ALO SWW) to the desired setting (SEE CONTROLS SECTION)
- 5. (BATTERY WITH ALO SWW OPTION) If the fixture includes a factory-installed emergency battery and ALO SWW control option. See Figure 6.
 - GREEN wire Ground
 - WHITE wire Shared Neutral line in
 - BLACK wire Switched Hotline in
 - Labeled BLACK wire Unswitched Hotline to charge emergency battery
 - TEST SWITCH Can be mounted in adjacent ceiling tile with included face plate and junction box (not included)

FIG 6: FACTORY BATTERY WIRING DIAGRAM WITH ALO SWW



- **Note:** The emergency battery will only energize the higher color LEDs when in emergency mode (normal power removed). It will not be possible to control the dimming or color when in emergency mode.
- 6. (ACCESSORY BATTERY OPTION) Refer to the wiring diagram included with the battery unit if the fixture is ordered with an accessory externally mounted battery.
- 7. (CHICAGO PLENUM WITH ALO SWW OPTION) If the fixture includes a Chicago plenum enclosure, flush-mounted access plate, and ALO SWW control option. See Figure 7.
 - Flush-mounted access plates must be utilized in compliance with CCEA guidelines. The aluminum tape must be replaced around the insertion tab of the access plate See Figure 7.
 - All non-metallic items, including the bread tie provided, must be removed after installation is completed to be compliant with CCEA guidelines.





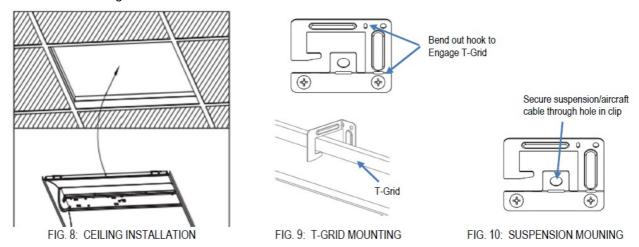
MOUNTING

NOTE:

Refrain from bending the T-Grid clips multiple times before installation to prevent damage to clip.

- 1. For mounting to T-Grid structure:
 - Place the fixture in the appropriate T-Grid ceiling structure. See Figure 8.
 - From above the ceiling, bend the attached T-Grid clips over the T-Grid ceiling on all 4 corners to secure the fixture to the TGrid. See Figure 9.
- 2. For suspension mounting (or additional T-Grid support):
 - 1. Use hanger wire holes at all 4 corners and appropriately rated hanging cables (not included) to suspend

the fixture. See Figure 10.



CONTROLS/OPTIONS

1. (STANDARD) 0-10V DIMMING

- See the WIRING section (page 4) for connection details
- For use with low voltage 0-10V controls (wall dimmers, remote occupancy sensors, or other devices) not supplied.

2. (OPTION) ALO SWW (ADJUSTABLE LUMEN, SWITCHABLE WHITE)

- Two switches located on the side of the Main Driver Enclosure allow for adjustment of the light output and the color of light (CCT) produced. See Figures 11 and 12.
- The switch on the left can be used to set lumens to low (left position), medium (center), or high (right position).
- Similarly, the switch on the right can be used to set the CCT to 3500K (left position), 4000K (center), or 5000K (right position).
- Once installed, the switches will not be accessible to adjust without access above the ceiling. Please
 confirm the switches are in the desired position before completing installation. The fixture ships set to the
 highest lumens and 4000K color.

NOTE:

If using 0-10V low voltage dimming with ALO SWW fixtures, connect fixtures to low voltage dimming controls per the WIRING section (page 4). Please make sure that all the Adjustable Lumen Output switches are set to their highest setting. If the ALO switch of any fixture is set in the medium or low position, then all fixtures that are on that control circuit will be limited in their maximum output to the lowest switch setting.

NOTE FOR USE WITH BACKUP POWER:

Any non-powered ALO SWW fixture connected to a group by 0-10V controls will create a load on the dimming circuit and will dim all attached fixtures. If using fixtures with a backup power device (like a generator) where only a few of the fixtures in a group will be powered when normal power is lost, then a means of disconnecting the backup powered fixtures from the 0-10V circuit will be required to ensure they will operate at full output (still limited by Adjustable Lumen Output switch setting).

FIG. 11: STAKS 1x4 AND 2x4 ALO SWW SELECTION SWITCH

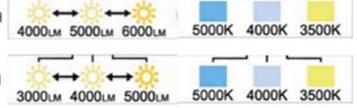


FIG. 12: STAKS 2x2 ALO SWW SELECTION SWITCH

SAVE THESE INSTRUCTIONS

Contractor Resources

Check out helpful programs, tools, installation videos, and more!



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Documents / Resources



LITHONIA LIGHTING IE10WCP Stack Switch [pdf] Installation Guide STAKS 1X4 ALO6 SWW7 IE10WCP, STAKS 2X2 ALO3 SWW7 IE10WCP, STAKS 2X4 ALO6 SWW7 IE10WCP, STAKS 1X4 ALO6 SWW7 CP, STAKS 2X2 ALO3 SWW7 CP, STAKS 2X4 ALO6 SWW7 CP, IE10WCP Stack Switch, IE10WCP, Stack Switch, Switch

References

- Acuity Brands | Lighting, Controls, and Building Management Solutions
- <u>\$U.S. Environmental Protection Agency | US EPA</u>
- User Manual

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