INSTALLATION INSTRUCTIONS

LED Retrofits

J6SLC RGBW

READ AND FOLLOW ALL SAFETY INSTRUCTIONS!

SAVE THESE INSTRUCTIONS AND DELIVER TO OWNER AFTER INSTALLATION

Product Information: Juno Smart LED RGBW Speaker Downlight Retrofit may be used for incandescent housings already installed in application or with dedicated quick connect housings by Juno.

Product Contents: Each unit carton contains the following: 1ea LED speaker light module, 1ea E26 adapter. Check for all contents prior to installation.

Required Tools (not included): Safety glasses, ladder, and gloves.

Product Listings: ETL certified to US and Canadian safety standards; wet location listed; and WSEC ASTEM E283 for Air-Tight rated with IC housings. 6SL minimum lamp compartment 6 inches (152 mm) in diameter by 5.75 inches (146 mm) tall or minimum lamp compartment 163 in³ (2649 cm³). Use only in open luminaires. Suitable for Type IC or Type Non-IC luminaires. The retrofit kit is accepted as a component of a luminaries where the suitability of the combination shall be determined by ETL or authorities having jurisdiction.

The retrofit kit is accepted as a component of a luminaire where the suitability of the combination shall be determined by authorities having jurisdiction. Product must be installed by a qualified electrician in accordance with the applicable and appropriate electrical codes. The installation guide does not supersede local or national regulations for electrical installation.

Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
This device is not intended for use with **emergency exits** or **emergency lighting**.

Failure to follow any of these instructions could void product warranties. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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.

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LED IMPORTANT SAFETY INSTRUCTIONS

- 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 upon 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 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/trim. Frequency of cleaning will depend on ambient dirt level and minimum light output which is acceptable to user. Refractor/lens/trim should be washed in a solution of warm water and any mild, non-abrasive household detergent, rinsed with clean water and wiped dry. Should optical assembly become dirty on the inside, wipe refractor/lens and clean in 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 which 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 supply voltage is correct by comparing it with the luminaire label information.
- Make all electrical and grounded connections in accordance with 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 carton, 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 enclosure or light source.
- Do not exceed maximum wattage marked on 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 in close proximity to 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.
- Never connect an LED product to an unapproved dimmer pack. Contact ABL directly for any dimmers not specifically recommended for the product.
- Unless individual product specifications deem otherwise: Allow for some volume of airspace around fixture. Avoid covering LED fixtures with insulation, foam, or other material that will prevent convection or conduction cooling.

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- Unless individual product specifications deem otherwise: Maximum ambient temperature is 90°C. Do not operate fixture at temperatures higher than this.
- Unless individual product specifications deem otherwise: Never mount in places where fixture will be exposed to rain, high humidity, extreme temperature changes or restricted ventilation.
- 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.
- There are no user serviceable parts inside the unit. Do not rewire, reconfigure, or modify the unit or attempt any repairs yourself. Additionally, field replacement of the LED assembly or lamps is not allowed by UL standards at this time. In the unlikely event your unit may require service, stop using the unit immediately and contact an ABL representative.
- Always read the fixtures complete installation instructions prior to installation for any additional fixture specific warnings.
- Verify that power distribution system has proper grounding. Lack of proper earth ground can lead to fixture failure and may void warranty.

☒ CAUTION RISK OF WIRING PRODUCT DAMAGE

- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

All luminaires that contain electronic devices that generate frequencies above 9kHz from any component within the luminaire comply with one of the following 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.

This equipment complies with FCC's and IC's RF radiation exposure limits set forth for an uncontrolled environment. The antenna(s) used for this transmitter must be installed and operated to provide a separation distance of at least 20 cm from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter. Installers must ensure that 20cm separation distance will be maintained between the device (excluding its handset) and users.

Cet appareil est conforme aux limites d'exposition au rayonnement RF stipulées par la FCC et l'IC pour une utilisation dans un environnement non contrôlé. Les antennes utilisées pour cet émetteur doivent être installées et doivent fonctionner à au moins 20 cm de distance des utilisateurs et ne doivent pas être placées près d'autres antennes ou émetteurs ou fonctionner avec ceux-ci. Les installateurs doivent s'assurer qu'une distance de 20 cm sépare l'appareil (à l'exception du combiné) des utilisateurs.

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
1) L'appareil ne doit pas produire de brouillage;

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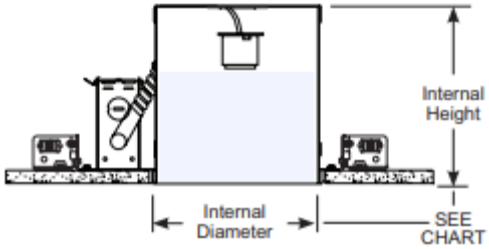
2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Juno Retrofit LED Trim Compatibility in Recessed Cans

Juno Retrofit LED trims are designed to work with most standard UL listed recessed incandescent housings. When used with standard medium base incandescent housings, the medium base socket adaptor must be used. Housing compatibility can be determined by measuring the recessed housing diameter and height as shown in the diagram. Refer to the chart for compatible size ranges. Housing construction features vary. The height and diameter chart should be used as a guideline. Actual installation is the best method of determining compatibility.



	J6SLC 5/6"
Internal Diameter	6" min
Internal Height	5.75" min
Trim Flange Diameter	7.67"

INSTALLATION STEPS:

Step 1: PREPARE FOR FIXTURE INSTALLATION

1.1 Ensure input power is 120V, 60Hz, supply wires are rated for at least 90°C (194°F), and power is disconnected by turning OFF the circuit breaker or by removing the appropriate fuse at the fuse box.

1.2 If necessary, remove old ballast.

1.3 Read the entirety of the installation instructions manual prior to installation.

Step 2: DETERMINE WIRING METHOD (SELECT ONE WIRING METHOD)

A. E26 Socket Adapter:
   1. Screw Adapter into the base socket inside Housing.
   2. Plug Orange Connector of Adapter into the fixture's mating Orange Connector.

B. LED Connector:
   1. Plug Orange Connector from the fixture into the mating LED connector inside Housing.

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Step 3: INSTALL UNIT(S) INTO RECESSED HOUSING(S)

3.1 Squeeze legs of each Torsion Spring together and seat them inside the torsion brackets of the Housing. Release springs, and gently push module into housing until flush with ceiling.

3.2 Repeat this step for each additional unit. Ensure "*SATELLITE*" Units are located within **30** ft. of the "*MASTER"* Unit.

Step 4: SET UP EACH INSTALLED FIXTURE FOR SMART LIGHTING CONNECTIVITY

4.1 Ensure each unit installed is connected properly. Then, connect power back to fixtures by returning the circuit breaker to ON or by returning the appropriate fuse at the fuse box.

4.2 When power is first returned to the fixture, the light output will be set to max brightness at 3000K.

4.3 Download the SmartThings app (made by Samsung Electronics Co., Ltd.) on your smart device. Make sure your smart device has the most recent version of the app downloaded.

Note: A Samsung SmartThings account must be created within the app to continue with the smart fixture set-up process.

4.4 For each fixture installed, connect the fixture to the SmartThings app by selecting "Add Device" or the "✚" sign and using one of the prompts below to connect the fixture.

A. Scan a QR code
   i. Use your smart device's camera to scan SmartThings QR code on side of device
   Note: Be sure to not scan the Installation Instructions QR code also present on device's trim.

B. Scan for nearby devices
   i. Select "Juno Connect" device by pressing "add" on desired fixture to set up
   Note: Only one fixture can be set up at a time. If multiple fixtures need to be set up, this step will need to be repeated

C. By Brand
   i. Scroll to Juno Brand and select
   ii. Select :"Lighting" option
   iii. Select "Juno Connect" option

4.5 Proceed with steps prompted by SmartThings app to complete device set-up.

4.6 Repeat steps 4.1-4.5 for each device installed.

Note: Steps 4.1-4.6 is required if the user would like to create speaker grouping or alter light output of the fixture. If the user prefers to keep the fixture at 3000K at max brightness and only utilize speaker control for the singular fixture, Step 4 and all the following steps may be skipped. For full functionality of the fixture, continue with the installation process.

Note: The SmartThings app is only one of the multiple ways for the fixture to be controlled using Smart features. This device can also be operated through Amazon Alexa, Google Home, and SmartThings hubs. However, the device must be set up first using steps 4.1-4.6 prior to setting up the device with other smart hubs. Please reference the quick start

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guide found at https://postsales.acuitybrands.com/qr/?sn=*279GR0 for information setting up the smart fixture to other hubs.

Step 5: SET UP SPEAKER GROUPING

Note: Every fixture installed can be set as a "MASTER" unit or "SATELLITE" unit. This is done by toggling the light output of the fixture prior to speaker group set-up described in the following instructions noted in Step 5. In each speaker group, only one fixture can be the "MASTER" unit, and the rest will be "SATELLITE" units.

Note: Step 5 is only required if multiple units will be paired together for audio control. If the user would like to play audio from a singular fixture, this section can be skipped.

5.1 Determine which fixture in the speaker group is optimal to be selected as the *"MASTER"* unit. The remaining units in the speaker group will be "*SATELLITE*" units.

Note: The fixture selected to be the "MASTER" unit is recommended to be the unit the most centrically located in perspective of all of fixtures in the desired speaker group. The "MASTER" unit will be the only fixture the user's smart device will be connected to for audio control of the speaker group. The "MASTER" unit will broadcast audio to the surrounding "SATELLITE" units in the speaker group. If a "SATELLITE" unit is over 30 ft away from the "MASTER" unit, audio may sound distorted. If the smart device for audio control is over 30 ft from the "MASTER" unit, the entire speaker group's audio may sound distorted.

5.2 To set-up "*MASTER*" and "*SATELLITE*" units, the use of the SmartThings app or a Google Home, Amazon Alexa, or SmartThings hub is required. Set the power to "*On*" for the desired "*MASTER*" unit, and set the power to "*Off*" for the remaining units to be set as "*SATELLITE*" units. Only the desired *"MASTER"* unit should be illuminated before proceeding to step 5.3.

Note: The switch sending power to the fixtures in the room must remain "ON" during step 5.2 of the speaker group creation. Toggling the fixtures "On" or "Off" must be done through the SmartThings app or Google Home, Amazon Alexa, or SmartThings hub for step 5.2 of the installation instructions.

5.3 Once step 5.2 is completed, perform a power cycle to the fixtures in the speaker group. This is done by toggling the switch powering the fixtures in the room "*Off*" and then back "*On*", again. When the switch is turned "*Off*", wait 5 seconds before turning the switch back "*On*".

Note: Wall dimmer switches are not compatible with the speaker light. Do not use a wall dimmer switch to control the power cycling of the fixture. Dimming is controlled through the SmartThings app or Google Home, Amazon Alexa, or SmartThings hub.

5.4 If the speaker group set-up was completed successfully, the "*MASTER*" unit's light output will show a blue light, and the "*SATELLITE*" units will show a green light. If any units show a red light, the speaker grouping process was not completed successfully. If there is more than 1 fixture in the speaker group that has blue light, multiple fixtures are set as *"MASTER"* units and will cause issues for audio grouping. If either of these issues are present, please refer to the Trouble Shooting guide below to re-attempt speaker grouping successfully.

5.5 Once the speaker group has been set up correctly, audio can now be played throughout the newly created speaker group. Navigate to the smart device's Bluetooth settings, and connect to the device named *"Juno Speaker"* for audio control.

Note: Only the smart device (Smart Phone, Tablet, etc.) can be used for volume control and audio control of the speaker. SmartThings hub, Amazon Alexa, and Google Home only control light output. Ensure the "Juno Speaker" device is selected for the streaming service the smart device plays audio through.

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TROUBLE SHOOTING GUIDE:

Problem:	Corrective Action:
Fixture will not illuminate	1. Verify line voltage is correct.
	2. Check wiring and connections
	3. Verify power supply is on at breaker
Circuit breaker trips when fixture is illuminated	Check wire connections. Ensure wires are not crossed and power wire is not grounding out. Consult electrician.
Light flickering	1. Verify line voltage is correct
	2. Check wiring and connections
	3. Consult electrician
Speaker sound cuts in and out	1. Confirm your device is within **30** of the "*MASTER*" unit and any paired "*SATELLITE*" units are within 30 ft of the *"MASTER"* unit. Any object or body between the speaker and the Bluetooth® enabled device may act as a block and cause signal interference
	2. To prevent signal interference, do not place the speaker downlights close to heavy electromagnetic emission devices or equipment such as household appliances or ceiling fans
Two or more "*MASTER*" units are created during speaker grouping set-up (Two or more fixtures show blue light after speaker pairing)	1. Set desired master to any RGB color via app
	2. Set second or more blue lights to "off" via app
	3. Turn all lights off form Wall Switch. Wait five seconds and turn them back on. *Note: Do these steps within one minute*
Any fixtures show "red" light after group creation	1. Set desired master to any RGB color via app
	2. Set "red" lights to "off" via SmartThings app
	3. Turn all lights off from wall switch. Wait five seconds and turn them back on. *Note: Do these steps within one minute*
Add additional speakers to already existing speaker group	1. Set the master to any RGB color via app
	2. Set the new lights to "off" via app
	3. Turn all lights off from wall switch. Wait five seconds and turn them back on. *Note: Do these steps within one minute*
Factory Reset Fixture	To factory reset the fixture, use the wall switch to cycle power "on" and "off" five times. Then, repeat the installation process from the beginning. *Note: Wait five seconds between turning the fixture "on" and "off". Complete all power cycles within one minute.*

If further assistance is required, contact **Technical Support at: (800) 748-5070**

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