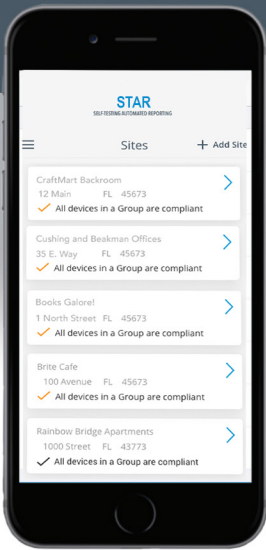


IOTA
Mobile Self-Testing
Automated Reporting (STAR)
for STAR-Enabled Emergency Lighting



Mobile and STAR Gateway User Guide

View and Send Compliance Reports

Welcome to the Acuity Brands® Mobile Self-Testing Automated Reporting (STAR) app in your Clarity+™ Micro-App. STAR Gateway connects to STAR-enabled emergency lighting equipment to access and download status and logged test data for your facility.

STAR Gateway Advantages

Why do I need STAR Gateway? The Life Safety Code requires that emergency lighting equipment undergo a monthly 30-second test and an annual 90-minute test to ensure system readiness in the event of a loss of normal power. Additionally, records of these tests must be maintained for inspection as needed by the Authorities Having Jurisdiction (AHJs), such as a local fire marshal or building inspector.

STAR-enabled emergency equipment will automatically conduct the required monthly and annual tests. The STAR app on your mobile device or ISCG STAR Gateway wirelessly connects to the devices, accesses the test-data logs, and downloads the data for both immediate review and later reference. Combined, the STAR app and STAR-enabled emergency lighting equipment remove the need to physically test your emergency lighting while simplifying required text documentation.

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STAR GATEWAY SYSTEM OVERVIEW

The STAR (self-testing automated reporting) system consists of two parts—STAR-enabled emergency lighting devices and the STAR app, installed on a mobile device.

STAR-enabled emergency lighting devices feature firmware (to conduct the monthly and annual tests) and Bluetooth® enabled radio hardware (to communicate with the STAR app on a mobile device.) Compatible emergency lighting products from Lithonia Lighting®, Holophane™, and IOTA® are identified with the term AELR (Automated Emergency Lighting Reporting) in the model name. The STAR wireless reporting system is used for three primary types of emergency lighting outlined in Table A below.

Table A: Emergency Lighting Devices Compatible with STAR

Emergency Lighting Type	Description	Models
Exit Signs	Life Safety Code section 7.10 outlines the requirements for marking means of egress with readily-visible signs to denote the paths for exiting a building. These exit signs must be suitably illuminated by a reliable source in both the normal and emergency modes.	<ul style="list-style-type: none"> ■ Lithonia Lighting LQM AELR ■ Lithonia Lighting LHQM AELR
Emergency Unit Equipment	Unit equipment solutions are stand-alone devices that mount to the wall or ceiling to provide emergency illumination during a power loss.	<ul style="list-style-type: none"> ■ Lithonia Lighting ELM2L AELR ■ Lithonia Lighting ELM2LF AELR ■ Lithonia Lighting ELM4L AELR ■ Lithonia Lighting ELM6L AELR ■ Lithonia Lighting INDL AELR ■ Lithonia Lighting EXTL AELR ■ Holophane CZQ2L AELR ■ Holophane CZQ4L AELR ■ Holophane CZQ6L AELR ■ Holophane DSL3 AELR ■ Holophane DSL46 AELR
Emergency LED Drivers	Emergency LED Drivers are emergency battery designs that install within or on top of an LED fixture to provide emergency operation during a power loss.	<ul style="list-style-type: none"> ■ IOTA® ILB CP10 HE AELR ■ IOTA® ILB CP20 HE HV AELR

STAR GATEWAY DESIGN GUIDELINES

Upgrade your site with the ISCG STAR Gateway to fully automate compliance reports.

In commercial spaces, it is best practice to space emergency luminaires 35 feet apart or less. Increase this spacing to 45 feet when emergency luminaires are within line of sight.

At least two emergency luminaires must be within 30 feet of the STAR Gateway wireless adapter. Avoid areas where emergency luminaires are surrounded by metal obstructions.

STAR GATEWAY COMMISSION

Commission the STAR Gateway using the same process as Mobile STAR. This process is further explained in this user guide. Begin by installing the STAR app on a mobile device and connecting it to Bluetooth-enabled hardware within the STAR-enabled devices that are within range.

Once the site is fully commissioned using Mobile STAR, the site data downloads from <https://air.acuitynext.com> and is uploaded to the STAR Gateway. After network connectivity is verified, the gateway begins communicating with the emergency luminaires.

See ISCG Installation Instructions and ISCG User Manual for additional information.

STAR-enabled emergency lighting systems require the STAR app to begin the automated, emergency-lighting reporting process. The STAR app is compatible with mobile devices and is available through the Clarity+ Micro-App from Acuity Brands®, and in the App Store or Google Play Store.

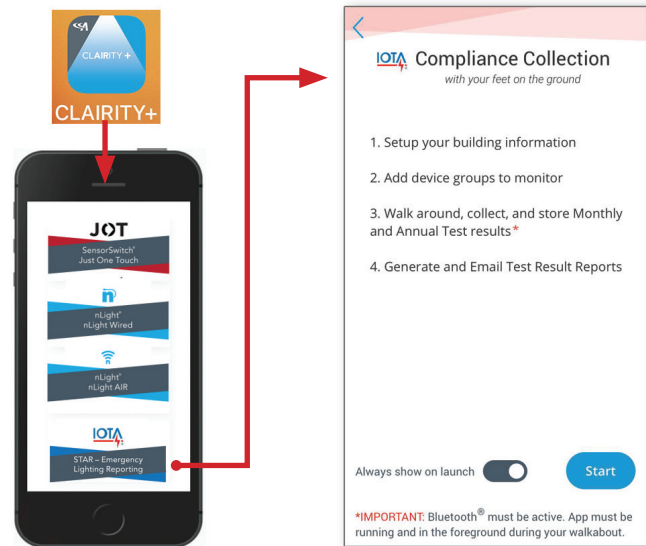
MOBILE STAR APP INSTALLATION

STEP 1: Download and install the **Clarity+ Micro-App** from your mobile device's app store.

STEP 2: Launch the **Clarity+ Micro-App**.

STEP 3: Tap to select the **IOTA** icon. The **Compliance Collection** screen appears showing the four-step process to generate reports.

Once you are familiar with this process, you can select the Always show on launch slider to bypass this screen.



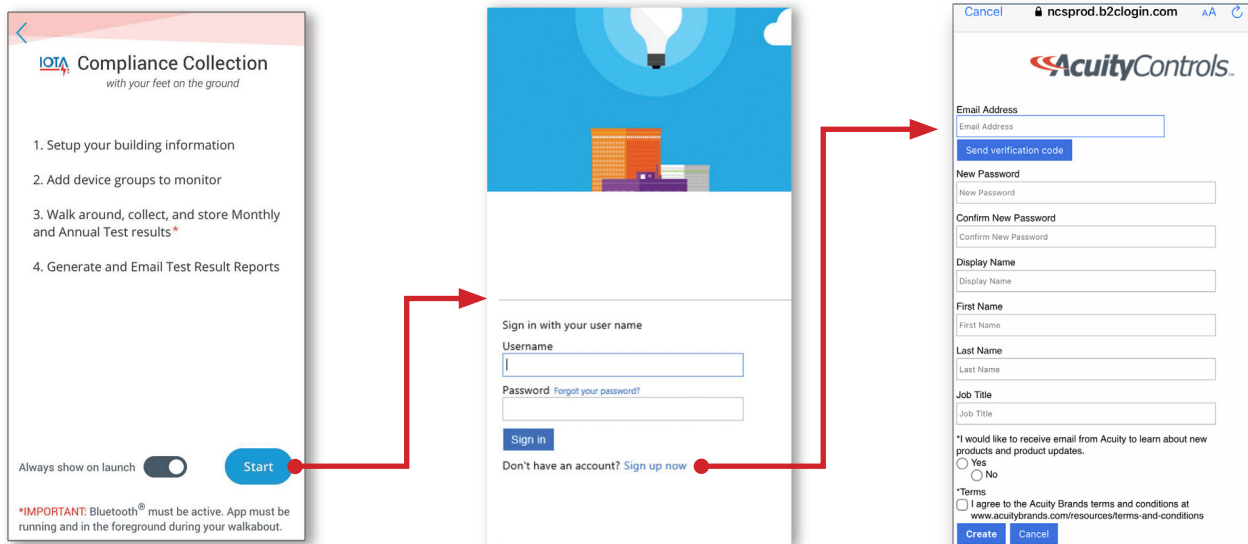
GET STARTED

STEP 1: Select **Start** from the **Compliance Collection** screen. The **Sign in with your user name** dialog screen appears.

STEP 2: Select **Sign up now**.

STEP 3: Select the **Acuity Controls** profile information screen appears.

STEP 4: Enter all information, agree to **Acuity Brands terms and conditions**, then tap **Create**. You are automatically signed in and the **Main Menu** screen appears.




PROFILE COMPLETION


The next time you log in, if your profile information is incomplete, you'll be prompted to enter your missing information in the **My Information** dialog screen. After entering the required information in each field, select **Save** at the top right of the screen.


*Your profile information is used when you create and share your compliance reports. You can view and edit your profile information by selecting **My Information** from the **Main Menu**.*


MAIN MENU


Self-Testing
Automated Reporting


 My Information

 Sites

 Sites Compliance Summary

 Sign Out

 Onboarding

 Support

Return To Micro-App Selection

My Information
View or edit your account information. This information is used to generate and send site compliance reports.

Sites
Use the Sites menu to access your current site information or create new sites for your account.

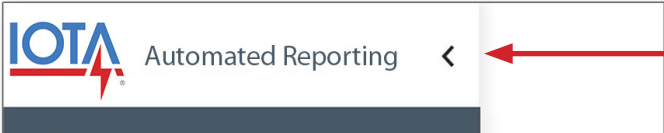
Sites Compliance Summary
Find a summary of your reports by site. Export and share site reports.

Sign Out
Log out of your account.

Onboarding
Quickly navigate to the Sites menu to add new sites, groups, or devices.

Support
Access contact information and User Guide.

Return to Micro-App Selection
Exit the STAR app and return to the **Clarity+ Micro-App Selection** screen.



Collapse the **Main Menu** and return to your previous screen with the Back icon.

MAIN MENU NAVIGATION

To return to the main menu, select the Menu icon at the top left of the screen.



CREATE A SITE

The first action to set up your emergency data access is to create a **Site**.

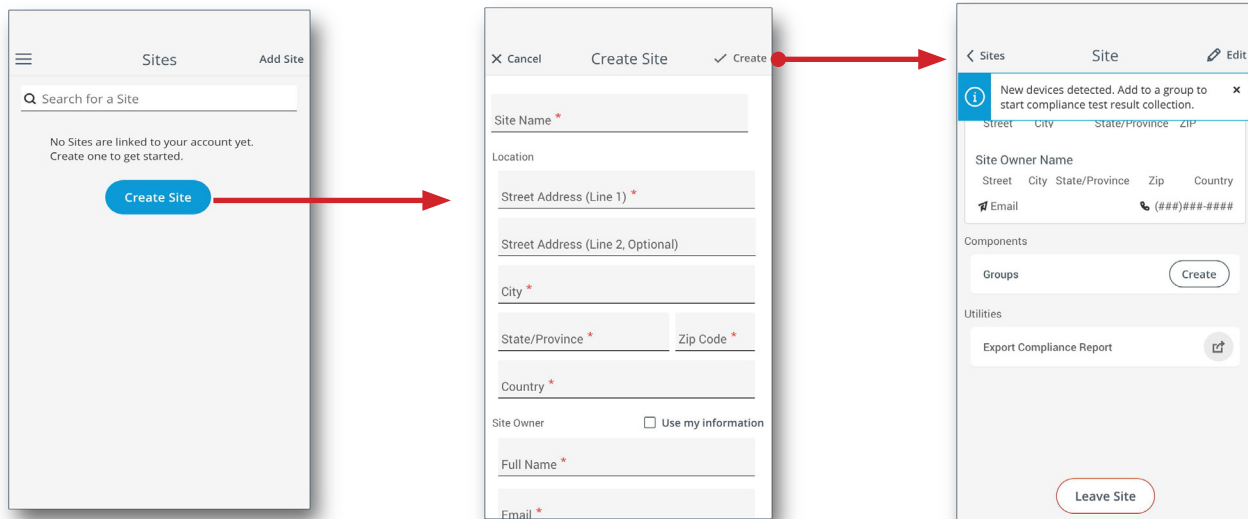
STEP 1: Select **Sites** from the **Main Menu**. The **Sites** screen appears.

STEP 2: Select **Create Site**. The **Create Site** dialog screen appears.

STEP 3: Enter all required (*) information and select **Create** at the top right of the screen. The **Site** screen appears.

You will be prompted to create a Group. A group(s) is required to begin collecting report data from the devices.

A “Site” is a building or facility that utilizes STAR-enabled emergency devices of which the STAR app will create a full compliance report.



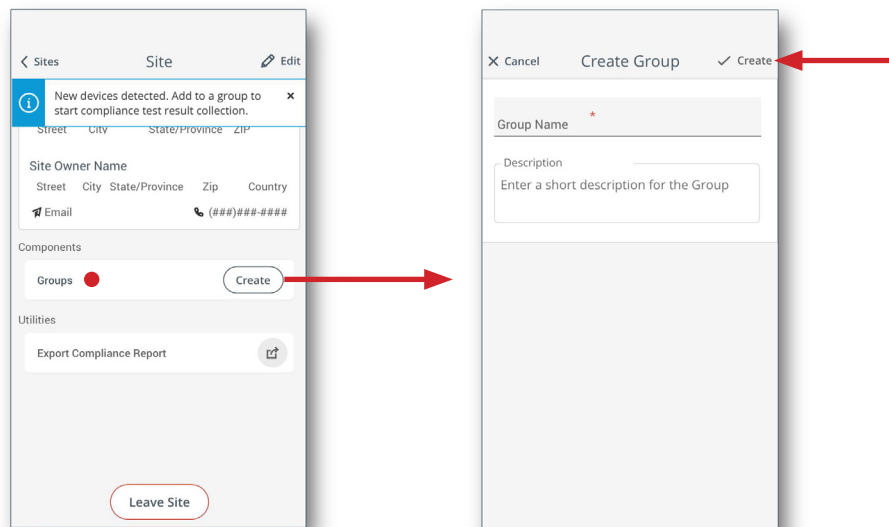
CREATE A GROUP

A **Group** allows you to assign emergency devices by an attribute that works best for you. For instance, you can assign devices to a particular room (“Backroom”) or perhaps by device type (“Exit Signs”).

STEP 1: Select **Create** from the **Site** screen. The **Create Group** dialog screen appears.

STEP 2: Name the new **Group** and add a description, then select **Create**. The **Group** screen will appear.

A **Group** is a collection of STAR-enabled emergency devices within a **Site**. A **Site** can consist of one **Group** or multiple **Groups**.



ADD DEVICES TO A GROUP

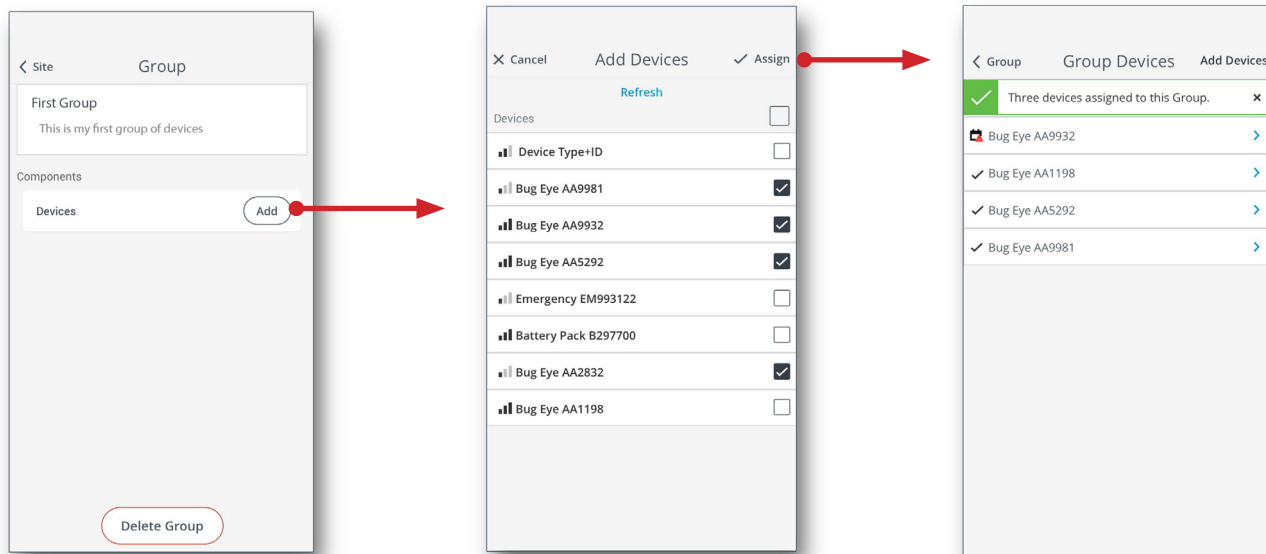
Once the **Group** is created, you are prompted to add devices.

STEP 1: Select the **Group** you created from the **Site** screen. The **Group** screen appears.

STEP 2: Select **Add** from the **Group** screen. The **Add Devices** screen appears with a list of unassigned devices.

STEP 3: Tap the check box next to the device(s) you want to add to this **Group** and then select **Assign**.

You have completed the process to set up your **Site**, a **Group**, and **Assign** devices. STAR app will begin collecting data to generate reports.

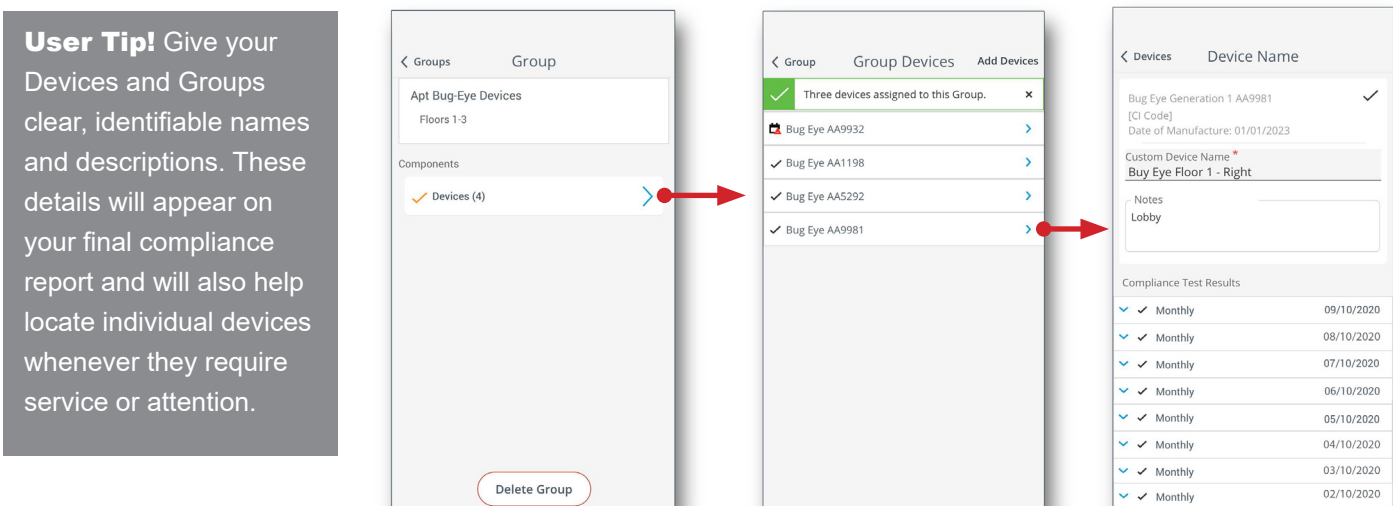


MANAGE YOUR DEVICES

STEP 1: Navigate to the **Group** page that you want to manage.

STEP 2: Tap the expand arrow next to **Devices** to see all devices in the **Group** on the **Group Devices** screen.

STEP 3: Use the expand arrow next to the **Device** to manage and view data. From the **Device Name** screen you can view device test data and history, add notes for the device, or give the device a custom name for clarification.



User Tip! Give your Devices and Groups clear, identifiable names and descriptions. These details will appear on your final compliance report and will also help locate individual devices whenever they require service or attention.

REMOVE DEVICES FROM GROUPS

To remove devices from a **Group**, see “EQUIPMENT REMOVAL, REPLACEMENT, AND RECOMMISSIONING”.

Removing devices also removes any collected test data that was not previously exported and shared. To continue accessing test data for the device, it will need to be re-added to a group.

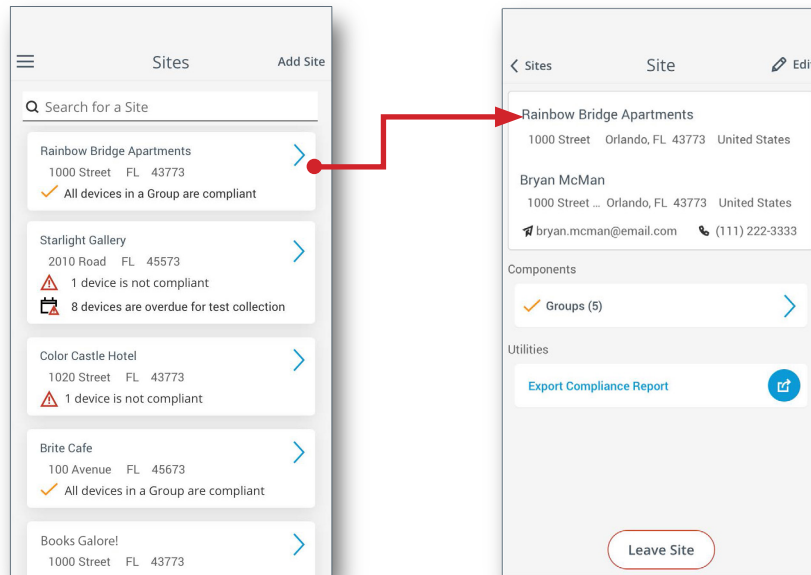
COLLECT TEST DATA

STEP 1: Carry your mobile device within wireless range of all devices in the **Site**.

STEP 2: Open the **Clairity+ Micro-App** on your mobile device.

STEP 3: Navigate to and open the **Site**.

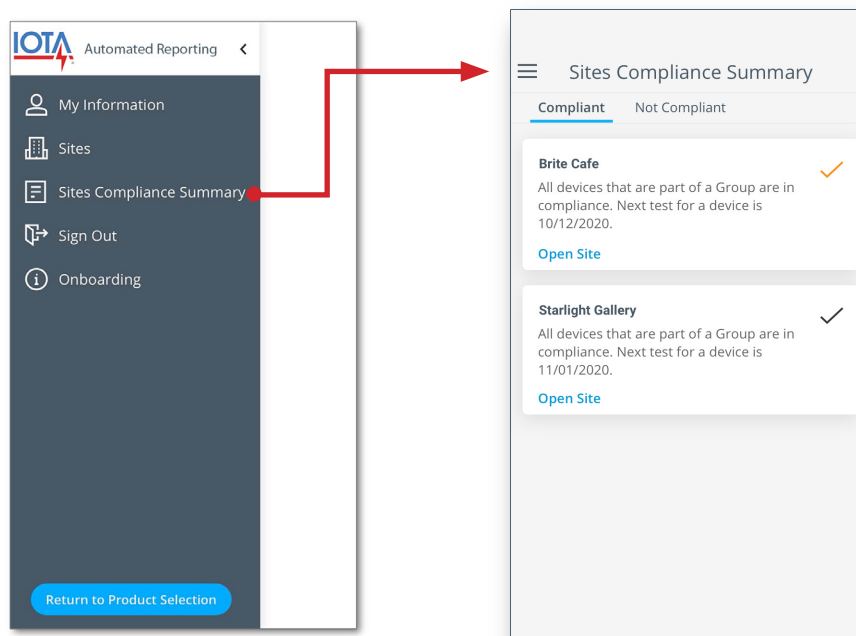
STEP 3: Walk through your **Site** with your mobile device. Ensure you stay within wireless range and that the app is on top.



STEP 4: Complete the walk through.

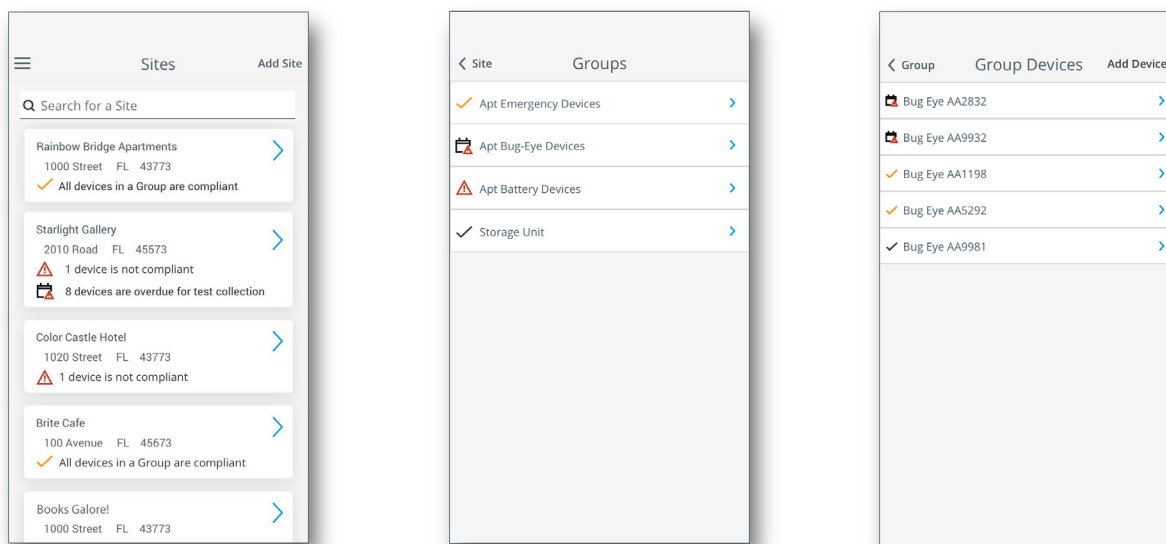
STEP 5: Return to the **Main Menu** and select **Site Compliance Summary**. Confirm all data was collected.

*If all emergency devices were successfully logged, the Site will appear under the **Compliant** category. If not, select the **Not Compliant** tab to identify devices that failed. STAR app provides icons and identified issues to make troubleshooting easier.*







From the **Not Compliant** tab, select the **Site** to access the **Groups** screen. Select the non-compliant group. From **Groups Devices**, select the failed group to identify which devices failed and why.

Examples of status icons in the Sites, Groups, and Devices screens.



There are multiple reasons that a **Site**, **Group**, or **Device** is not compliant. See examples in **Table B** below.

Table B: Test Result Legend

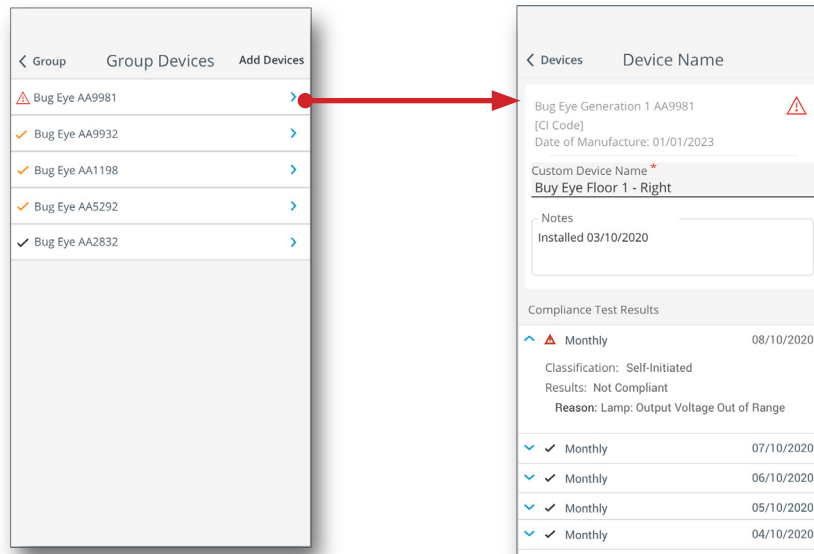
Icon	Meaning
	Compliant - The data for this device shows the latest self-test was successful with no issues detected.
	Compliant, Upcoming Test (29 days past) - The data for this device shows that the latest self-test was successful with no issues detected. However, a new self-test is scheduled soon and the logged data will soon be unavailable.
	Not Compliant, Overdue (32 days past) - The data for this device is no longer current. New device test data must be downloaded.
	Not Compliant, Device Error - The data for this device has failed its last self-test. Refer to device diagnostics for details and corrective steps.
Overdue	Not Compliant, Overdue - The data in the STAR app shows that the device has failed its last self-test and new test data is overdue for download.

NON-COMPLIANT STATUS

If there is a **Site**, **Group**, or **Device** identified as **Not Compliant**, it may indicate that data collection is over due. To correct this, repeat the “COLLECT TEST DATA” process.

Non-compliant devices are indicated by icons and reasons for non-compliance are provided. From the **Main Menu**, select **Site Compliance Summary**. Navigate to **Site > Group > Group Devices**. Compliant devices feature a check mark to the left of its name. Non-compliant devices feature an icon next to the name. Select the non-compliant device to see the nature of the test failures.

If necessary, refer to the device owner’s manual for steps to address the identified issues.

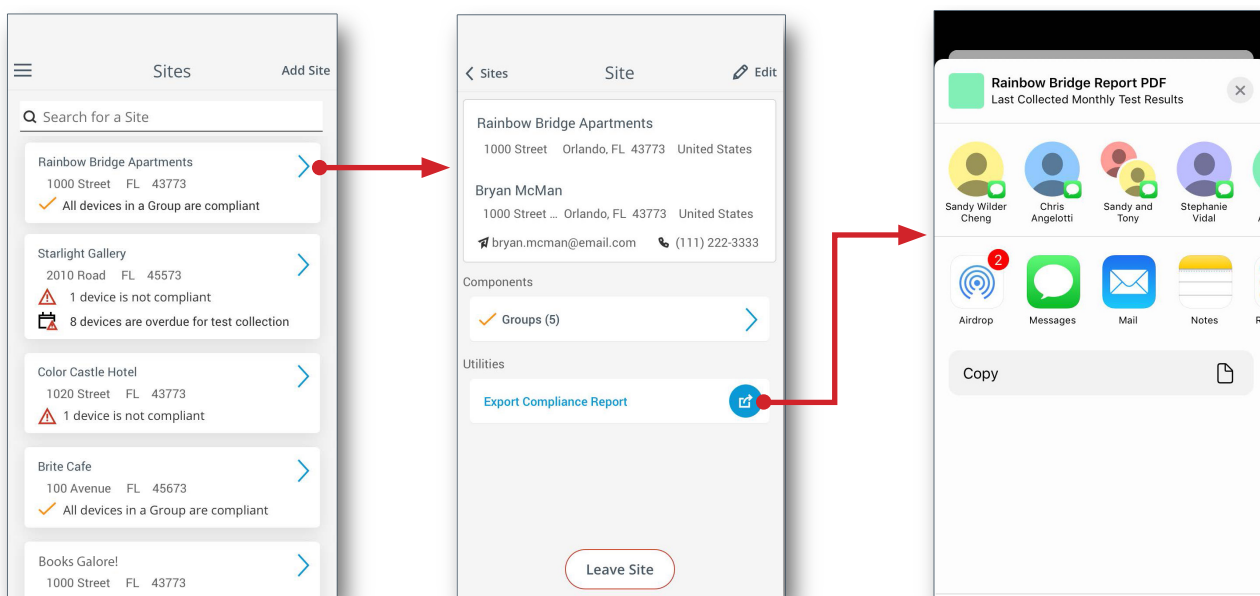


REPORT ACCESS AND SHARING

STEP 1: Select **Sites** from the **Main Menu**.

STEP 2: Choose the site for the report and then select **Export Compliance Report**. A full PDF-format report is generated and saved to your mobile device and can be uploaded to cloud storage. The report includes all STAR-enabled devices in all groups for the selected site.

STEP 3: Use your mobile device’s **Share** feature to select the recipients and delivery method, then **Send**.



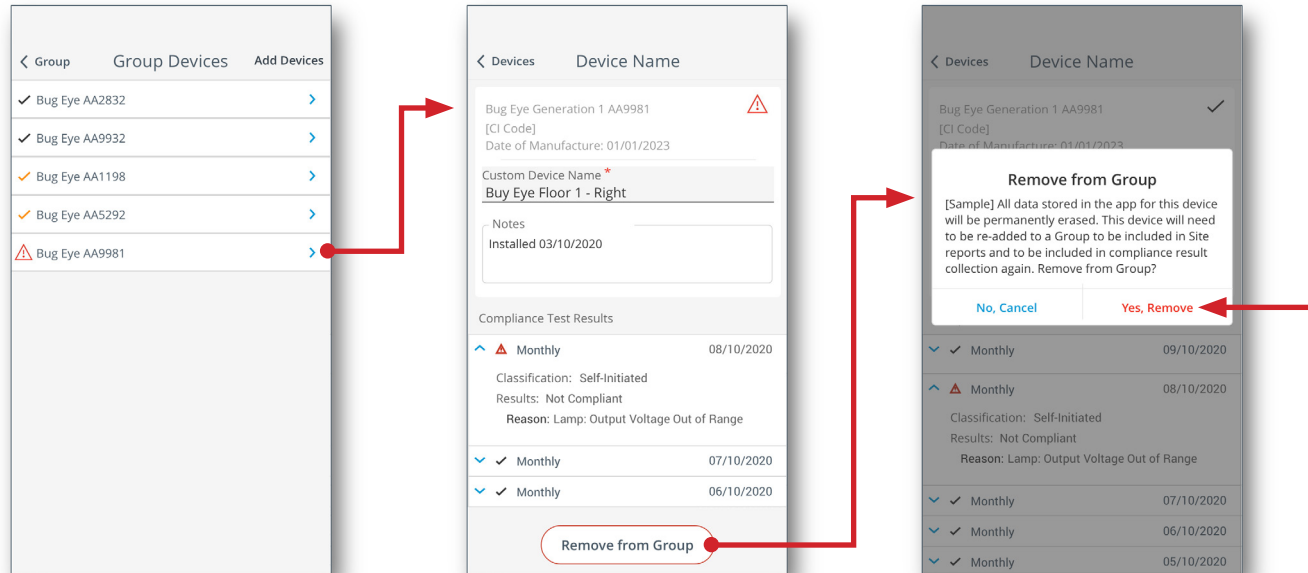
There are three categories of device test data: Monthly, Annual, and Other. Monthly and Annual test data will not appear or export until scheduled tests are complete. A full compliance report will show both the monthly and annual test results, if the data is available.

EQUIPMENT REMOVAL, REPLACEMENT, AND RECOMMISSIONING

In the event that an emergency lighting device (hardware) is removed or replaced from a facility that connects to STAR, these changes must also be updated in the STAR app to ensure visibility and accuracy of your emergency lighting reports. There are three basic hardware scenarios that can affect your STAR reports.

1. Device Removal - If an emergency device is removed from the system, but not replaced with another STAR-enabled device, the emergency device must also be deleted from the **Group** within the STAR app. Failure to do so will cause subsequent reports to indicate non-compliance since the STAR app will consistently seek to connect and fail to download the expected test data from the device.

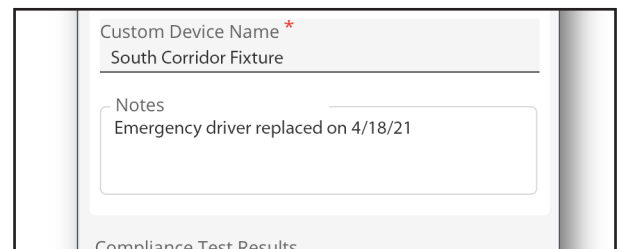
To remove a device from a site, simply navigate to the device within the Site: **Site > Group > Group Devices**. Select the removed device to view the **Device Name** screen. Select **Remove from Group**. Confirm that you wish to remove the device (and all stored data for the device) by selecting **Yes, Remove**.



2. Full Device/Fixture Replacement - If a STAR-enabled device or light fixture equipped with a STAR-enabled driver is replaced with new STAR-compatible equipment, first remove the previous device. Use the Remove Device instructions above.

After the replaced device is removed from the STAR app, you will need to add the new device to the desired group. Ensure that you are within wireless range. Navigate go to **Sites > Site > Group > Devices** and select **Add Devices**. A list of detected devices displays on the screen. Select the device and then enter an identifiable **Device Name**.

3. Partial (non-radio) Replacement - In some cases, it may be possible to replace the emergency driver without replacing the Bluetooth radio. In this case, the STAR app will continue to detect the existing Bluetooth address. The new emergency driver device does not have to be added to the **Group** within the STAR app. However, the STAR app will continue to hold test data for the previous device. It is recommended that the replacement date of the device be annotated in the **Device Notes** section for clarification.



FAQs

Do all emergency lighting devices in my facility need to be STAR-enabled?

No. The STAR app only collects the required test data from STAR-enabled devices. Any existing (non-STAR-enabled) emergency lighting products would undergo your traditional testing procedures and separate written logs must be maintained for those devices.

Can non-authorized users control my STAR-enabled devices?

STAR-enabled emergency lighting devices do not accept outside read/write commands, and it is not possible for devices to wirelessly activate any unscheduled tests, manipulate test data, or alter device IDs. Your password-protected profile within the STAR app contains the organizational data-collection structure (sites, groups, device names) and cannot be viewed or accessed in any way via STAR-enabled device hardware.

Why does my STAR-enabled emergency device have a test switch on it even though it is a self-testing device?

Life Safety Code requires that all emergency lighting devices feature a physical means to test the device to ensure system readiness. The test switch on the emergency device is fully functional and can be used to conduct a momentary test outside of the programmed test schedule. The emergency device will include the results of this manual test with its routine testing results for reporting to the STAR app.

The test switch/indicator light on my emergency device is flashing. What does that mean?

The indicator light communicates the status of the emergency device and can indicate a few different things—normal operation or a recent test failure. Always refer to the owner's manual of the specific device for a complete list of the different indication signals. If the signal is the result of a test failure, it can also be viewed within the STAR app.

If all of my STAR-enabled emergency lighting devices are in range of my mobile device, do I still need to walk around my facility to collect test data?

To collect test data from STAR-enabled devices, you only need to be within wireless range with the STAR tool open and awake (on top). Albeit, Life Safety Code and other building codes still require a visual inspection to ensure that there are no other factors that might possibly impact emergency lighting performance (i.e. a blocked or damaged fixture lens, obstructed visibility of exit signs, etc.) that would not be detectable by the STAR-enabled device's test.

Is there a limit to the number of Sites, Groups, or Devices I can have in my profile?

Currently, a user can create up to 10 sites per user per day, but there is no other limitation for the number of allowed Sites, Groups, or Devices you may add to your account.

What does the Other test data results represent?

The Other test data shown in the device view is simply a routine check of particular device details that are not in the scope of the monthly and annual testing. As long as the device data shows compliance with the Monthly and Annual testing, the Other test data can be disregarded. If the automatic testing software of the device has not yet conducted its monthly and annual test, the status of the device is displayed in the Other category.

RESOURCES

For additional information on STAR-enabled emergency devices, refer to the following resources for the different emergency lighting solutions:

Lithonia Lighting Exit Signs and Unit Equipment

Website: <https://lithonia.acuitybrands.com>

Technical Support: 1-800-705-SERV

IOTA Emergency LED Drivers

Website: <https://www.iotaengineering.com>

Technical Support: 1-855-363-9527

Holophane Emergency Lighting

Website: <https://holophane.acuitybrands.com>



Mobile STAR

Self-Testing Automated Reporting

STAR (Self-Testing Automated Reporting) brings together the most advanced emergency lighting capabilities into one accessible mobile app. Combining automatic test data for STAR-enabled Lithonia Lighting® Exit Signs, Unit Equipment, and IOTA® Emergency Driver solutions into a single user-interface that facility managers can take advantage of simpler test data collection, compliance review, and report sharing from the palm of their hand.



lithonia.acuitybrands.com



iotaengineering.com



holophane.acuitybrands.com