
User Guide

EnergyCenter[®] by Autani

Light Management (Bluetooth)

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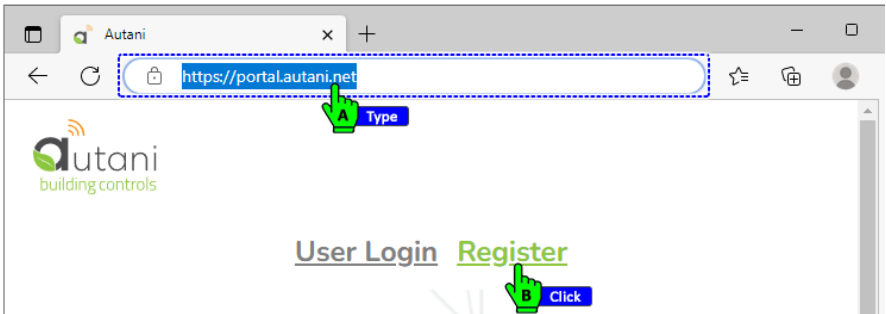
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1. Register a New Account on Autani Portal

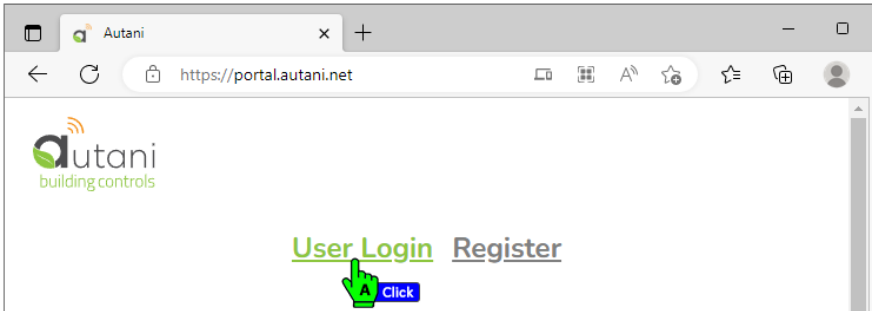
1. Open a browser on your computer and enter **https://portal.autani.net/** in the address bar, and then press the enter key. The Autani splash screen is displayed with the **Login** and **Register** buttons. Click on the **Register** button to **Create a New Account**.



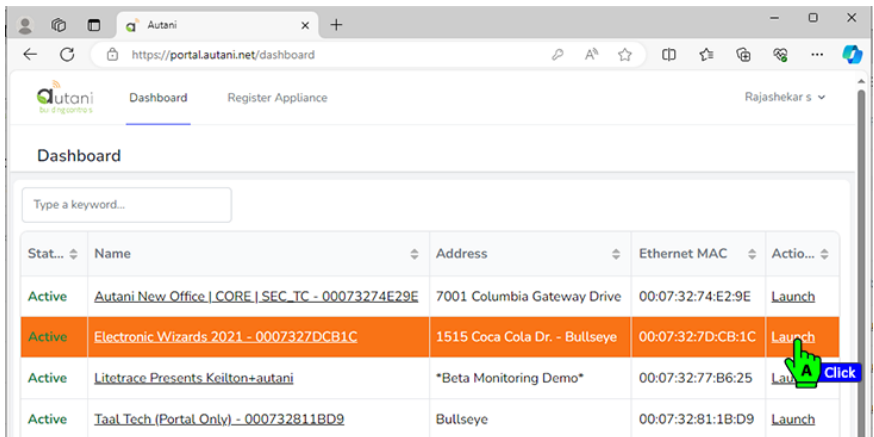
2. The Register form is displayed. Enter your Name, Email, Phone Number, Password and re-enter your Password. Then click on the **REGISTER** button to proceed further.

A screenshot of the Autani portal registration form. The browser's address bar shows "https://portal.autani.net/register". The form is titled "autani building controls" and contains several input fields: "Name" (with the text "DM Demo Account"), "Email" (with the text "demoDM@autani.com"), "Phone Number" (with the text "0123456789"), "Password" (with masked characters "*****"), and "Confirm Password" (with masked characters "*****"). A green hand icon with the letter 'A' points to the Name field, with a blue callout box that says "Enter name". A green hand icon with the letter 'B' points to the Email field, with a blue callout box that says "Enter Email". A green hand icon with the letter 'C' points to the Phone Number field, with a blue callout box that says "Enter Phone Number". A green hand icon with the letter 'D' points to the Password field, with a blue callout box that says "Enter Password". A green hand icon with the letter 'E' points to the Confirm Password field, with a blue callout box that says "Re Enter Password". At the bottom of the form, there is a link "Already registered?" and a "REGISTER" button. A green hand icon with the letter 'F' points to the "REGISTER" button, with a blue callout box that says "Click".

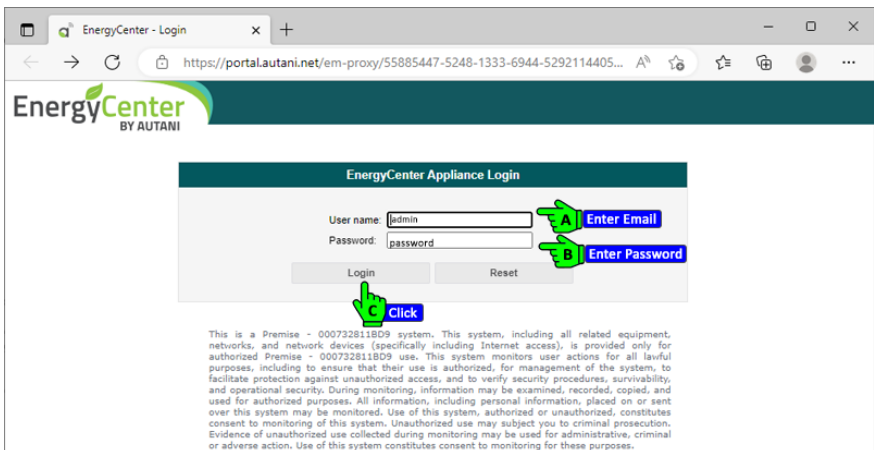
3. Now Re-Login to the portal using the new credentials: Click on your name in the top right, click on Log Out, then click on User Login.



4. NOTE: The initial association of your system is already done by Autani. The **Dashboard** has a list of systems displayed. Click/tap on the **Launch** button of your system to log in to EnergyCenter.

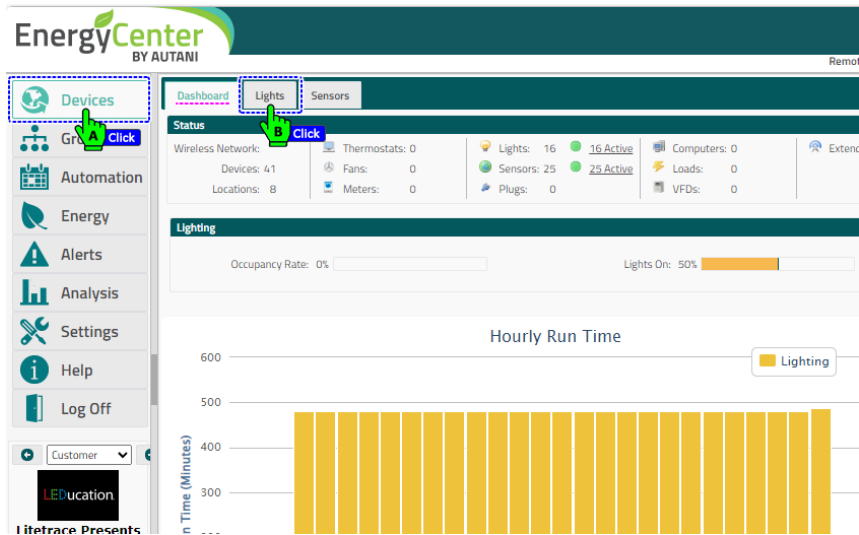


5. When the EnergyCenter Login screen appears, enter the default login credentials (Username: admin, Password: password), and click on **Login**.



2. Interacting with Lights

1. To interact with lights through EnergyCenter, click on **Devices** section, the **Dashboard** page is displayed by default. Click on the **Lights** tab to start the integration process.



2. The Lights tab lists all the lights in your system.
- The **Group** column is the identifier for the Lights from the Keilton App. It has both Group and Zone (example: Open Office – K a HQ). All groups that a device is a part of will be listed in the Group column.
 - The Zone represents a Bluetooth network, and one Zone corresponds to one single CR05. One CR05 can communicate with 100 lights within proximity.

The screenshot shows the EnergyCenter interface with the Lights tab selected. The table displays a list of lights with columns for Status, Groups, Light, Description, and Lighting. The table is filtered by 'Active' status. The 'Groups' column shows the group name and zone. The 'Light' column shows the light ID and name. The 'Description' column shows the light type and sensor status. The 'Lighting' column shows the percentage of light on. The table is sorted by 'Lighting' in descending order.

Status	Groups	Light	Description	Lighting
Active	Entryway - K a HQ	ID047 - 27:B0:64:6F	CCT dimmable with sensor (0x69)	10%
Active	Open Office - K a HQ	ID035 - 22:50:D7:0A	CCT dimmable with sensor (0x69)	100%
Active	Matt Office - K a HQ	Matt Office 1 - 27:70:61:44	CCT dimmable with sensor (0x69)	100%
Active	Matt Office - K a HQ	Matt Office 2 - 27:B0:64:EB	CCT dimmable with sensor (0x69)	100%
Active	Entryway - K a HQ	ID027 - 22:30:D3:B7	CCT dimmable with sensor (0x69)	19%
Active	Entryway - K a HQ	ID026 - 22:B0:D6:AE	CCT dimmable with sensor (0x69)	29%
Active	Open Office - K a HQ	ID023 - 22:50:D7:F0	CCT dimmable with sensor (0x69)	35%
Active	Open Office - K a HQ	ID048 - 22:10:D4:1C	CCT dimmable with sensor (0x69)	35%
Active	Open Office - K a HQ	ID052 - 22:90:5A:7E	CCT dimmable with sensor (0x69)	35%
Active	Entryway - K a HQ	ID049 - 22:50:54:0F	CCT dimmable with sensor (0x69)	56%
Active	Open Office - K a HQ	ID050 - 22:70:D6:B3	CCT dimmable with sensor (0x69)	80%
Active	Open Office - K a HQ	ID051 - 22:B0:D8:44	CCT dimmable with sensor (0x69)	80%
Active	Cubical Outlets - K a HQ	Cube 01 - 0B:50:25:E3	Mono Dimmable with sensor (0x5...	80%
Active	Cubical Outlets - K a HQ	Cube 02 - 0B:90:25:9A	Mono Dimmable with sensor (0x5...	80%

2.1. General (On-Demand Changes)

3. Select the **Light** you need to integrate with EnergyCenter. Click on the **Light code** inline or click on the **Details** tab at the bottom.

Dashboard | **Lights** | Sensors

Display Energy Usage from: 11/20/2024 to: 11/27/2024 [Show/Hide Energy](#)

Status	Groups	Light	Description	Lighting
Active	Entryway - K a HQ	ID027 - 22:30:D2:B7	CCT dimmable with sensor (0x69)	14%
Active	Entryway - K a HQ	ID026 - 22:B0:D6:AE	CCT dimmable with sensor (0x69)	32%
Active	Open Office - K a HQ	ID023 - 22:50:D7:F0	CCT dimmable with sensor (0x69)	35%
Active	Open Office - K a HQ	ID048 - 22:10:D4:1C	CCT dimmable with sensor (0x69)	50%
Active	Open Office - K a HQ	ID052 - 22:90:5A:7E	CCT dimmable with sensor (0x69)	50%
Active	Entryway - K a HQ	ID049 - 22:50:54:0F	CCT dimmable with sensor (0x69)	52%
Active	Open Office - K a HQ	ID050 - 22:70:D6:B3	CCT dimmable with sensor (0x69)	80%
Active	Open Office - K a HQ	ID051 - 22:B0:D8:44	CCT dimmable with sensor (0x69)	56%
Active	Cubical Outlets - K a HQ	Cube 01 - 0B:50:25:E3	Mono Dimmable with sensor (0x5...	80%
Active	Cubical Outlets - K a HQ	Cube 02 - 0B:90:25:9A	Mono Dimmable with sensor (0x5...	80%
Active	Open Office - K a HQ	ID008 - 22:10:D3:82	CCT dimmable with sensor (0x69)	80%
Active	Lab - K a HQ	ID009 - 27:50:65:B7	CCT dimmable with sensor (0x69)	80%
Active	Open Office - K a HQ	ID016 - 22:B0:D8:60	CCT dimmable with sensor (0x69)	80%
Active	Lab - K a HQ	ID024 - 27:10:63:77	CCT dimmable with sensor (0x69)	80%

Setup **Details** Hide Unhide

Page 1 of 1 50 View 1 - 31 of 31

4. The Lights-Detail window opens with the **General** tab selected by default. Here you can make on-demand changes to the light, like switching the light ON/OFF and changing the luminance levels of Occupied/Unoccupied states. Click Apply to save changes.

Dashboard | **Lights** | Sensors

Light: Default (ID008 - 22:10:D3:82 - CCT dimmable with sensor (0x69))

General | Charts | Event Logs | Notes

Name: ID008 - 22:10:D3:82

Description: CCT dimmable with sensor (0x69)

Location: Default

Level

Mode: No Change

Time Delay: No Change

Occupied: **Click** Lights On

Unoccupied Level (%): **Click** Lights Off

Current Status

Last Reported: 21

Schedule: Di Vacancy

Event: Non-Office Hours

Communication: Active

Level Control: Normal

Recent Alert: None

On/Off: Off

Current Level: Off

Lighting Mode: Unknown

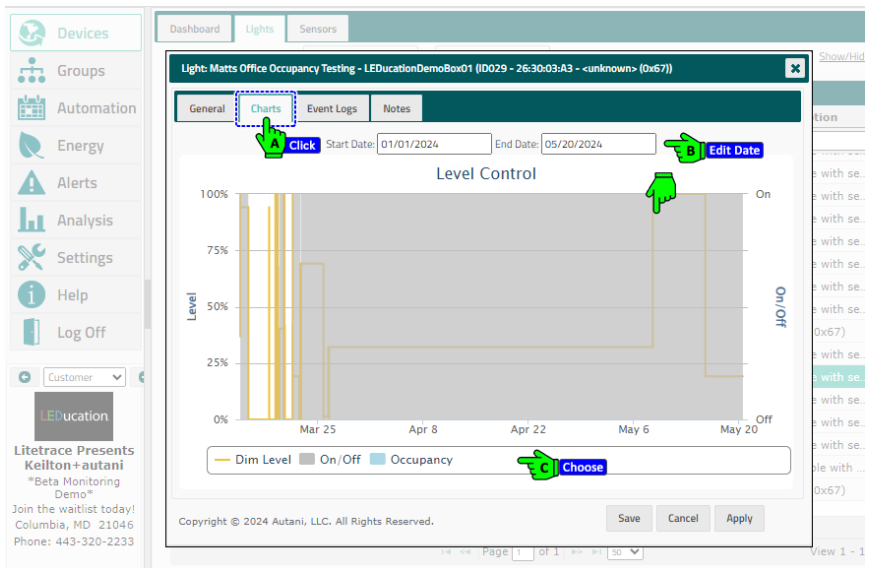
Time Delay: 1 minute(s)

Save Cancel **Apply**

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2.2. Charts

5. Select the next tab **Charts** for the selected light and edit the date range to view the light's behaviour over that period of time.



2.3. Event Logs

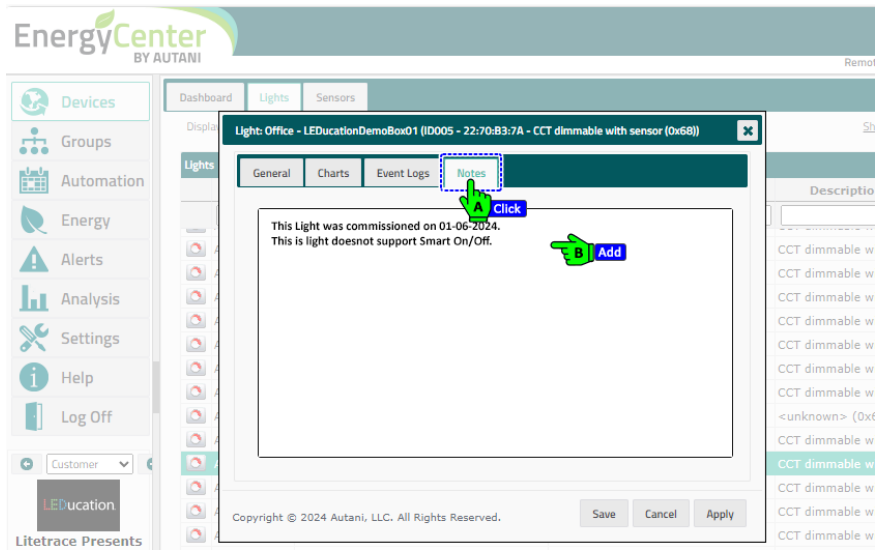
6. Select the **Event Logs** tab to see the light's events. Edit the date range to view the light's events over that period of time.

The screenshot shows the 'Event Logs' tab for a light fixture named 'Light: Office - LEDucationDemoBox01 (ID007 - 22:70:B3:D0 - CCT dimmable with sensor (0x68))'. The table displays 'Recent Events' with columns for 'Start Time', 'Duration', and 'Description'. Annotations include: a green arrow labeled 'A Click' pointing to the 'Event Logs' tab; and a green arrow labeled 'B Edit Date' pointing to the 'Edit Date' button.

Start Time	Duration	Description
2024-05-15 12:21:27 PM	5 days 00:05:16	On/Off: On
2024-05-15 12:21:27 PM	5 days 00:05:16	Dim Level: 20%
2024-05-08 12:46:46 PM	6 days 23:34:41	Dim Level: 100%
2024-05-08 12:46:46 PM	6 days 23:34:41	On/Off: On
2024-03-26 11:18:10 AM	43 days 01:28:35	Dim Level: 31%
2024-03-26 11:18:10 AM	43 days 01:28:35	On/Off: On
2024-03-26 11:18:08 AM	00:00:02	On/Off: Off
2024-03-26 11:18:08 AM	00:00:02	Dim Level: 0%
2024-03-26 08:44:36 AM	02:33:32	Dim Level: 31%
2024-03-26 08:44:36 AM	02:33:32	On/Off: On

2.4. Notes

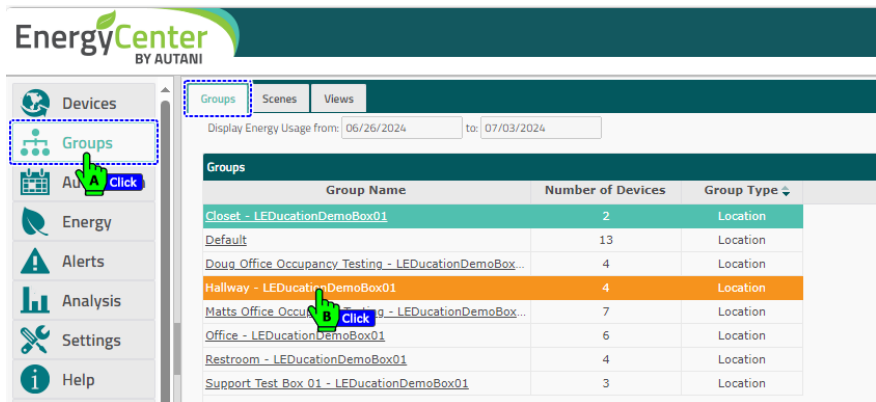
7. Select the next tab **Notes**, wherein you can leave a note for other users to refer to. (Example: This Light was commissioned ..., this is light does not support... etc.,)



2.5. Group (On-Demand Changes)

Groups section is another place, where the on-demand changes can be made to a group of lights/devices.

1. To interact with lights through Groups, click on the **Groups** section of EnergyCenter, the page will load the **Groups** tab by default, with the list of the existing Groups.
2. From the List of the groups click on a group name.



3. The Group Summary window opens. Here you can make on-demand changes to all the lights in the group. Change the percentage of **luminance/intensity** of the lights and click on the **Apply** button.

EnergyCenter

BY AUTANI

Devices

Groups

Automation

Energy

Alerts

Analysis

Settings

Help

Log Off

Customer

Groups

Scenes

Views

Group Summary

Hallway - LEDucationDemoBox01

Location | 4 Device(s)

Lighting (%): 50

Status	Location	Device	
Active	Hallway - LEDucationDe...	ID003 - 22:B0:B3:4C	CCT dimmable with sensor (0x68)
Active	Hallway - LEDucationDe...	ID003 - 22:B0:B3:4C	Keilton Occupancy Sensor (0x68)
Active	Hallway - LEDucationDe...	ID008 - 22:90:B3:5A	CCT dimmable with sensor (0x68)
Active	Hallway - LEDucationDe...	ID008 - 22:90:B3:5A	Keilton Occupancy Sensor (0x68)

Close

Apply

A Click

B Click

3. Viewing Energy Consumption/Estimation

- 1. There are two ways to view Energy Consumption: one is through the **Devices** section and the other through the **Groups** section of the EnergyCenter software.
- 2. To view the device-based energy estimation, click on the **Devices** section and then click on the **Lights** tab. All the lights will be listed.

On the top right, click on “**Show/Hide Energy**” link, and the Energy Usage chart is displayed (if hidden, or vice versa) in the lower section.

- The **KWh** column displays the Energy usage of each light.
- The **Display** column is used to select or deselect light(s).
- Use the **Date** field to select a date range to view the energy estimation.

Devices

Groups

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Dashboard

Lights

Sensors

Edit

Display Energy from: 11/18/2024 to: 11/25/2024 [Show/Hide Energy](#)

Status	Groups	Light	Description	Light	kWh	Display
Active						
Active	Default, All Lights - ...	ID003 - 22:00:03:4C	CCT dimmable ...	1%	0.021	<input checked="" type="checkbox"/>
Active	Default, All Lights - ...	ID006 - 22:90:00:19	CCT dimmable ...	1%	0.469	<input checked="" type="checkbox"/>
Active	Default, All Lights - ...	ID008 - 22:90:03:5A	CCT dimmable ...	1%	0.021	<input checked="" type="checkbox"/>
Active	Default, All Lights - ...	ID001 - 22:70:03:FB	CCT dimmable ...	16%	0.650	<input checked="" type="checkbox"/>
Active	Default, All Lights - ...	ID002 - 22:30:AD:38	CCT dimmable ...	16%	0.650	<input checked="" type="checkbox"/>
Active	Default, All Lights - ...	ID004 - 22:50:02:40	CCT dimmable ...	16%	0.650	<input checked="" type="checkbox"/>

Setup

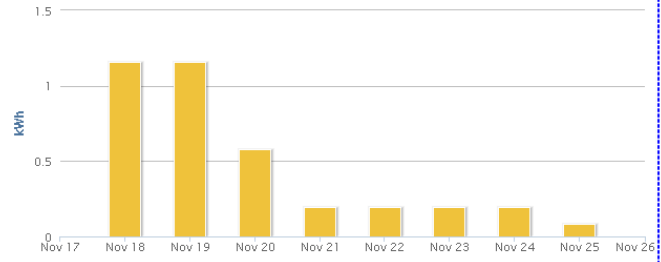
Details

Hide

Unhide

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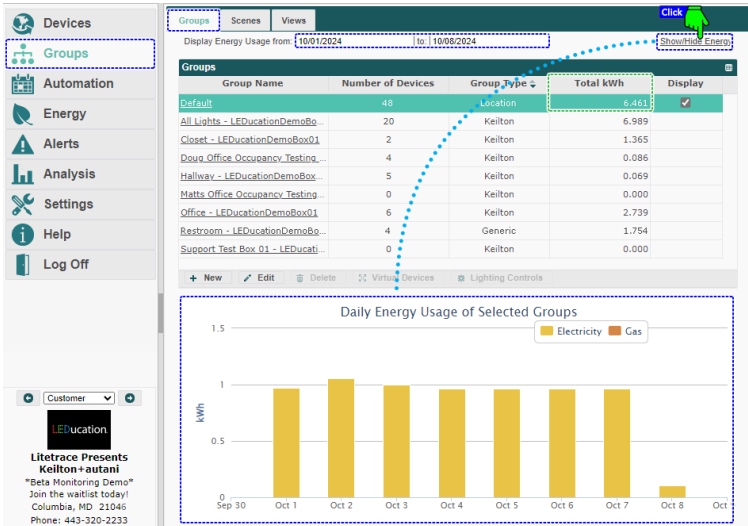
Daily Energy Usage of Selected Lights



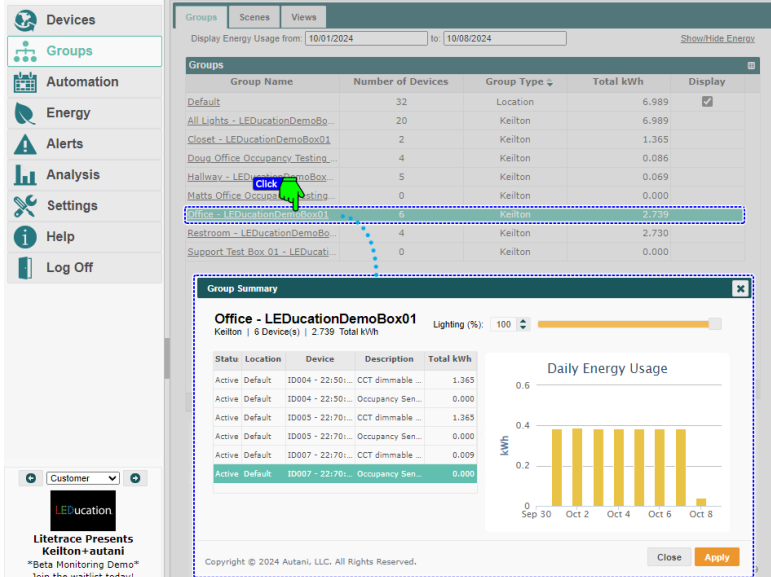
Date	kWh
Nov 17	0.0
Nov 18	1.15
Nov 19	1.15
Nov 20	0.55
Nov 21	0.20
Nov 22	0.20
Nov 23	0.20
Nov 24	0.20
Nov 25	0.10
Nov 26	0.0

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3. To see group-based energy consumption, click on **Groups**. On the top right, click on **"Show/Hide Energy,"** and the Energy Usage chart will be displayed below the list of groups.
- The **KWh** column displays the Energy usage of each light.
 - Use the **Date** field to select a date range to view the energy estimation.

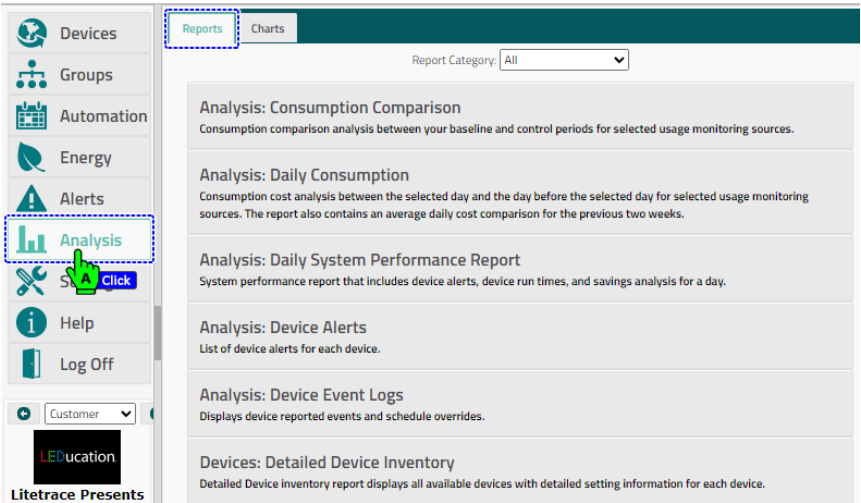


4. From the List of the groups click on a group name. The **Group Summary** window opens.



3.1. Energy Consumption Reports

1. To view the Energy Consumption Reports, click on the Analysis section of the EnergyCenter software, and various categories of reports for the lights will be listed. Click on each kind to see the respective report data.

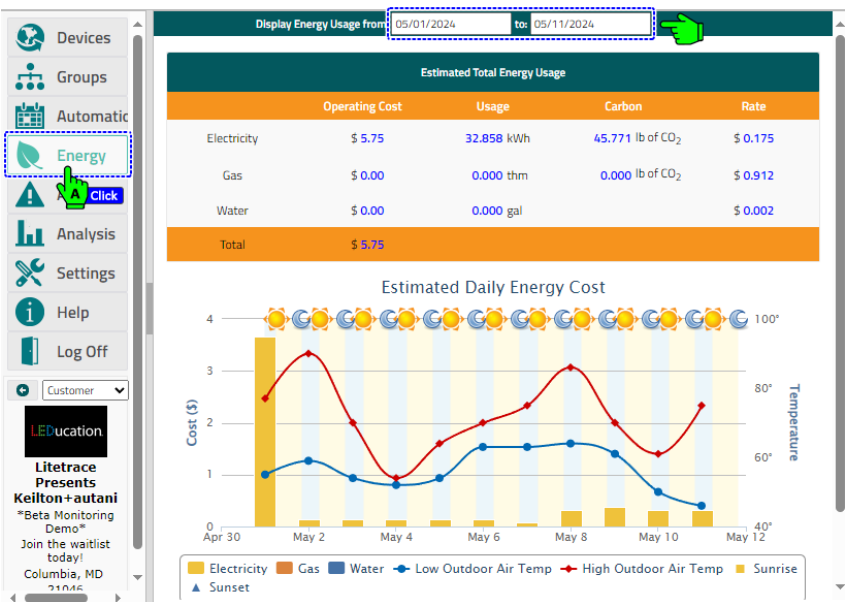


The screenshot shows the EnergyCenter software interface. On the left sidebar, the 'Analysis' menu item is highlighted with a green dashed box and a green arrow pointing to it. The main content area is titled 'Reports' and shows a list of report categories under the 'Report Category: All' dropdown. The reports listed are:

- Analysis: Consumption Comparison**
Consumption comparison analysis between your baseline and control periods for selected usage monitoring sources.
- Analysis: Daily Consumption**
Consumption cost analysis between the selected day and the day before the selected day for selected usage monitoring sources. The report also contains an average daily cost comparison for the previous two weeks.
- Analysis: Daily System Performance Report**
System performance report that includes device alerts, device run times, and savings analysis for a day.
- Analysis: Device Alerts**
List of device alerts for each device.
- Analysis: Device Event Logs**
Displays device reported events and schedule overrides.
- Devices: Detailed Device Inventory**
Detailed Device inventory report displays all available devices with detailed setting information for each device.

3.2. Energy Usage

1. Another place to view the Energy Usage is the Energy section of the EnergyCenter software. Click on the Energy section to view the data.



The screenshot shows the EnergyCenter software interface. On the left sidebar, the 'Energy' menu item is highlighted with a green dashed box and a green arrow pointing to it. The main content area is titled 'Display Energy Usage from 05/01/2024 to 05/11/2024'. It features a table of estimated total energy usage and a line graph of estimated daily energy cost.

Estimated Total Energy Usage				
	Operating Cost	Usage	Carbon	Rate
Electricity	\$ 5.75	32.858 kWh	45.771 lb of CO ₂	\$ 0.175
Gas	\$ 0.00	0.000 thm	0.000 lb of CO ₂	\$ 0.912
Water	\$ 0.00	0.000 gal		\$ 0.002
Total	\$ 5.75			

Estimated Daily Energy Cost

The graph shows the estimated daily energy cost over time. The x-axis represents dates from April 30 to May 12. The y-axis represents the cost in dollars (\$). The graph includes data for Electricity (yellow bars), Gas (orange bars), Water (blue bars), Low Outdoor Air Temp (blue line), High Outdoor Air Temp (red line), Sunrise (yellow triangle), and Sunset (blue triangle). The cost is highest on May 2 and May 8, and lowest on May 4 and May 10.

3.3. Energy Configuration

1. To configure the Energy estimation suite in a global region, use the Settings section. Select Settings and click on the **Energy** tab. All Energy data settings will be listed and can be modified per the requirement.

The screenshot displays the 'Energy' configuration page. On the left sidebar, the 'Settings' option is highlighted with a green dashed box and a green arrow pointing to it. The main content area has a top navigation bar with tabs: 'Site', 'Contractor', 'System', 'Data Maintenance', 'Energy' (selected), 'Security', and 'Device Setup'. Below the tabs, the 'Energy' tab is active, showing various configuration fields. A green arrow points to the 'Energy' tab, and a blue box with the word 'Click' is positioned over the 'Energy' tab. The configuration fields include:

- Electricity Rate (\$): 0.175 (per kWh)
- Gas Rate (\$): 0.912 (per thm)
- Gas Conversion Factor: 29.307 (thm to kWh)
- Water Rate (\$): 0.002 (per gal)
- Average Daily Usage: 25 (kWh), 25 (thm), 25 (gal)
- Electricity Emission Factor: 1.393 (lbs of CO₂ per kWh)
- Gas Emission Factor: 12.061 (lbs of CO₂ per thm)
- Baseline Consumption Cost: ☒ Calculate the estimated average cost per day based on the selected dates. The date range is from 05/21/2024 to 05/21/2024. Below this are fields for 'Weekday average cost per day(\$):' and 'Weekend average cost per day(\$):'. ☐ Manually enter the estimated average cost per day. Below this are fields for 'Weekday average cost per day(\$):' and 'Weekend average cost per day(\$):'.

At the bottom of the form are 'Save' and 'Cancel' buttons. The footer of the page reads 'Litetrace Presents Keilton + aurani'.

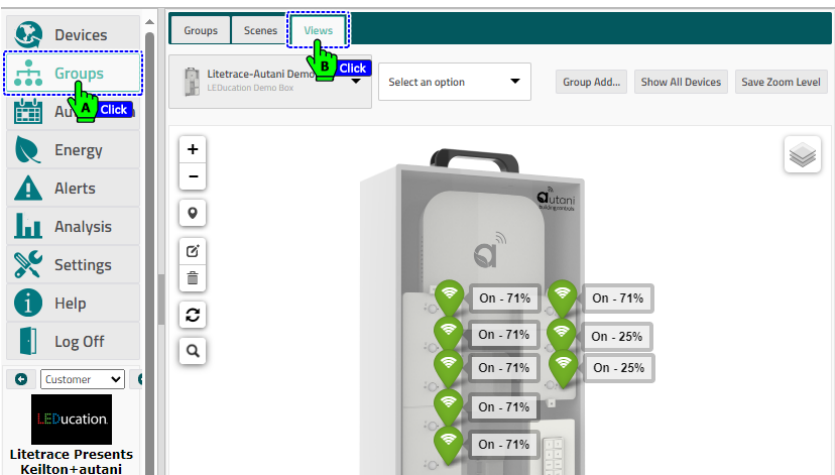
4. Creating and Using Views

Another capability of EnergyCenter is to use the **Views** tab in the **Groups** section to configure the Lights.

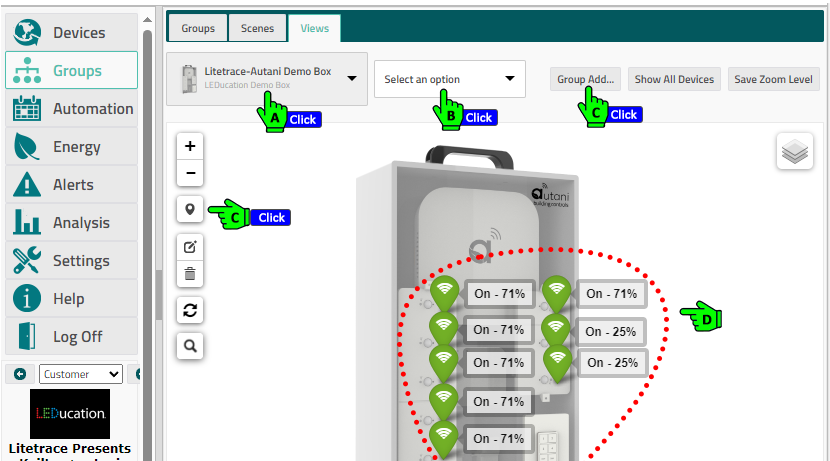
4.1. Setting up a View

This section will talk about uploading the image file to get started with setting up your view to plot points.

- 1. Select the **Groups** section and then select the **Views** tab. The page will be blank if no group-views are available, or the page will display a previously selected group-view.

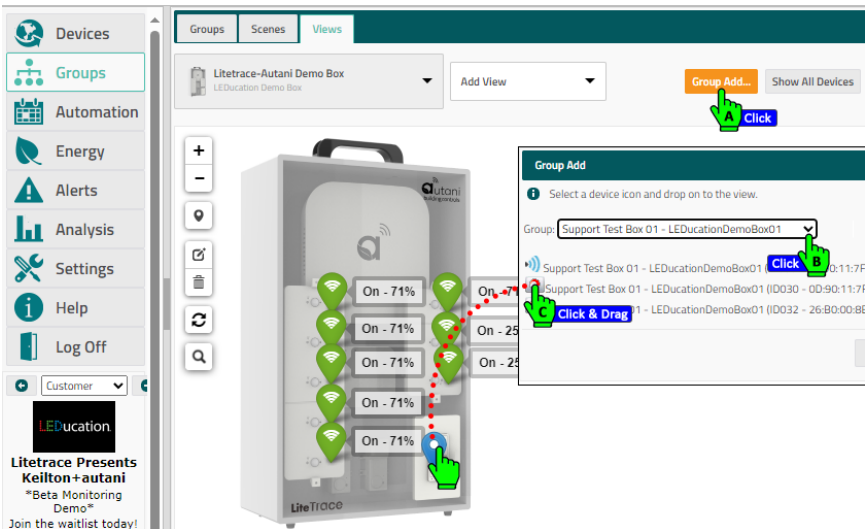


- 2. The interface has both horizontal and vertical elements to create or modify a view.
 - A. The **Group Dropdown** is used to select a Group.
 - B. The **Views Dropdown** will allow you to add, edit, or delete a view to a group.
 - C. The **Group Add** button is used to add a device to the view. There is another button **Marker** to add the devices.
 - D. Existing **device markers** added to the view.

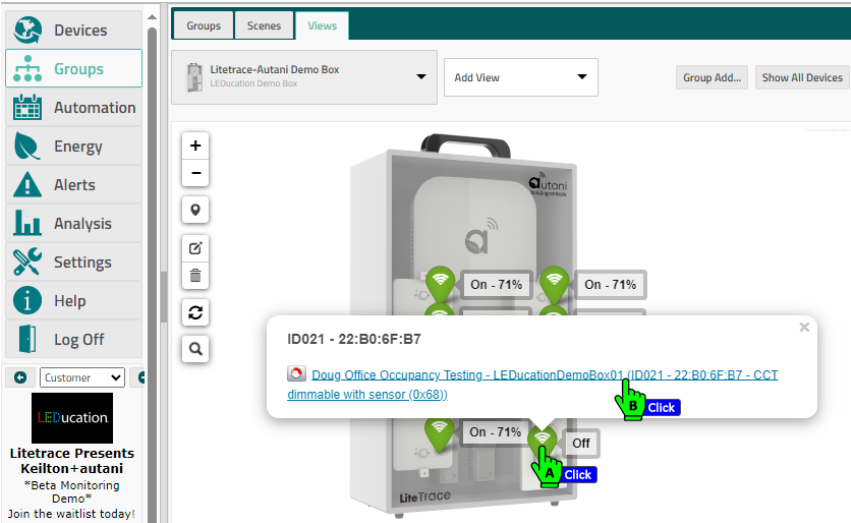


4.2. Adding Devices from a Group


3. To add a device, click on the “Group Add” button. When the “Group Add” window opens, select a group from the dropdown. The devices of the group will be displayed. Click and drag each device onto the view.

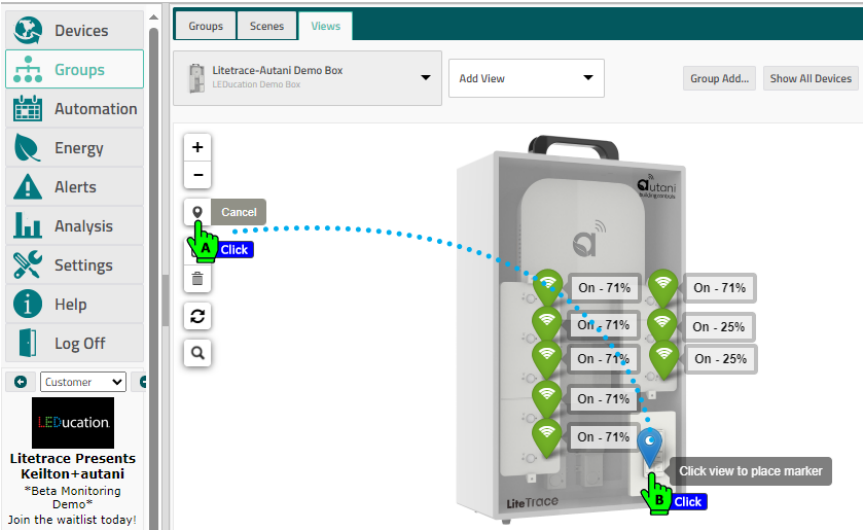


4. The device marker is added to the product. Click on the **marker**, and then click on the device link to configure the device.

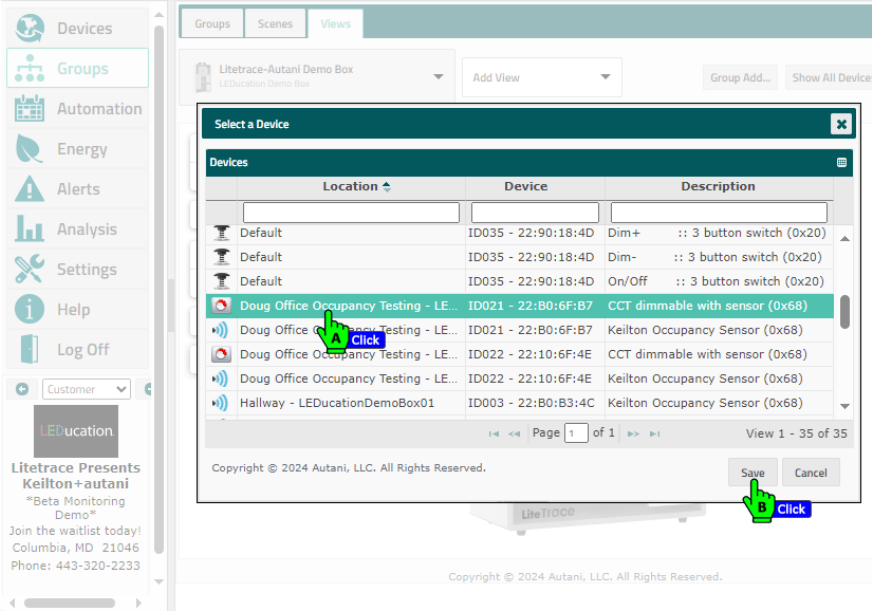


4.3. Adding Devices Individually

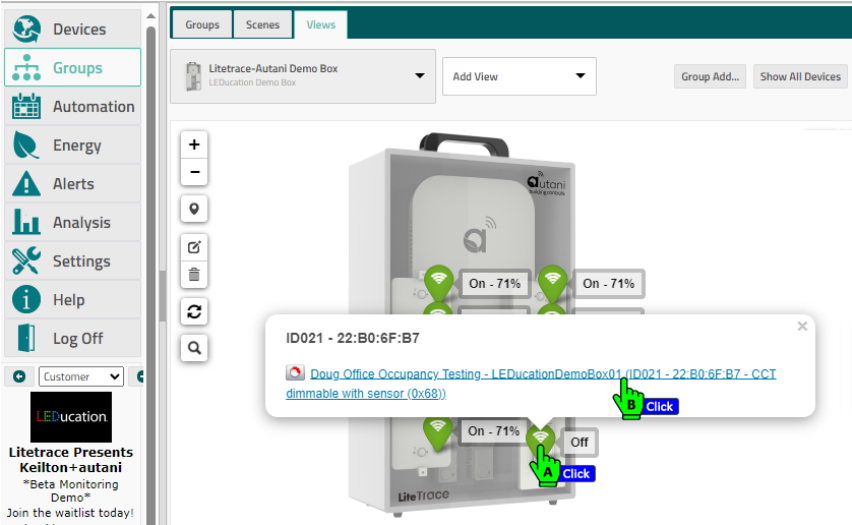
3. **OR**, the other method to add a device is to click on the  **Marker** button and place it on a device. In this case, the 8-button **Switch** has been added, placing the marker on the **ON** button.



4. When you click on a device location, the **Select a Device** window opens. Select a device to associate with the marker and click on the **Save** button.

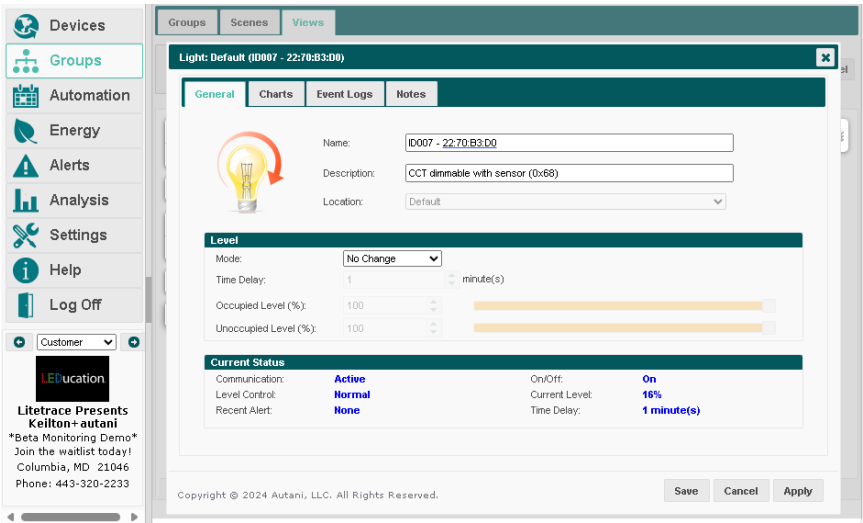


5. The device marker is added to the product. Click on the **marker**, and then click on the device link to configure the device.



4.4. Interacting with Lights

6. The user can click on the **Lights** to access the 'Details' page for a light. When an individual light is selected from the **Views** section of EnergyCenter, the light's **Details** window opens with the **General** tab selected by default.





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