

ARIA

Lighting Control
ARIA LITE | ARIA PLUS

eralux®

DATE

QTY

ACC. QTY

TYPE

PROJECT

PN

ACCESSORY PN

NOTES

Standalone
& fixture
installed



Photocell



Motion Sensor

Affordable &
Easy to
install

Motion
Detection

**ARIA
LITE**

Task
tuned

Day light
harvesting

Energy
saving

Experience lighting that flows as
naturally as the air you breathe.

Aria brings the freedom of
effortless, intuitive control to
your lighting system. Aria
adapts to your needs,
providing seamless
automation and personalized
lighting experiences.

Whether you choose Aria Lite
for simple, motion-activated
lighting, or Aria Plus for
advanced Bluetooth control
and scheduling, Aria is available
for multiple applications; low
bay, high bay, and ceiling
mount.

Bluetooth
& Zone
Control

Personalize
and
Reconfigure



Zone Control



Schedule

Motion &
Switch
grouping

**ARIA
PLUS**

Lighting
Schedule

Autonomous
Lighting
Behavior

Day light
harvesting

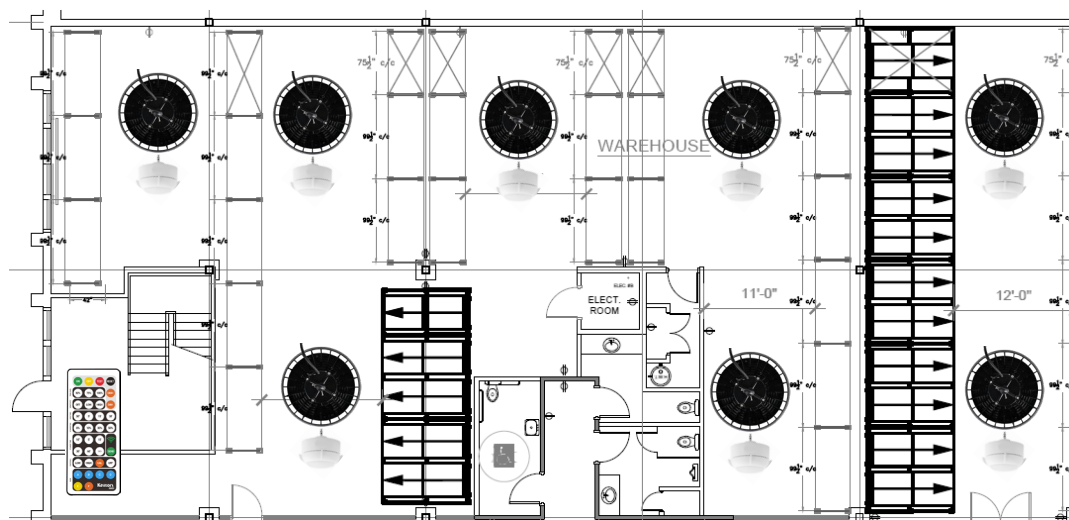
ARIA LITE

ARIA LITE is a standalone lighting control solution that can be configured to different profiles for each fixture, utilize daylight harvesting, and task tuned to optimize occupant comfort and energy efficiency.

ARIA LITE controls are simple fixture installed controls that operate individually without Bluetooth



Example:



Controls

Dimming

Trim Level

Sensitivity

Hold Time

Daylight
Harvesting

Standby Dim

Standby Time

NOTES

- Each fixture requires one sensor
- Remote control can program one fixture at a time

Control System

ARIA PLUS | Mesh Connection | Bluetooth

ARIA PLUS

A Bluetooth-controlled LED light fixture with motion sensors and scheduling offers convenience and energy efficiency. Users can wirelessly control the lights via Bluetooth using a smartphone app (Kielton + Autoni) and program lighting schedules for automatic on/off at set times. This system is ideal for residential, commercial, and industrial settings, providing smart lighting solutions and energy savings.

Autonomous Lighting Behavior

Sensors adjust light levels based on occupancy, task tuning, daylight harvesting, and configurable lighting profiles

Manual Lighting Behavior

The switch turns lights on/off or to preset dim levels

Daylight Harvesting

Fixture lights are dimmed or turned off in response to daylight

Occupancy or Vacancy Behavior

Configure sensors in a room for manual-on (vacancy switch) or auto-on (occupancy switch)

Energy Savings

Depending on occupancy patterns, available natural light and lighting schedule, savings may be as high as 65 percent

Multiple Switches per Room

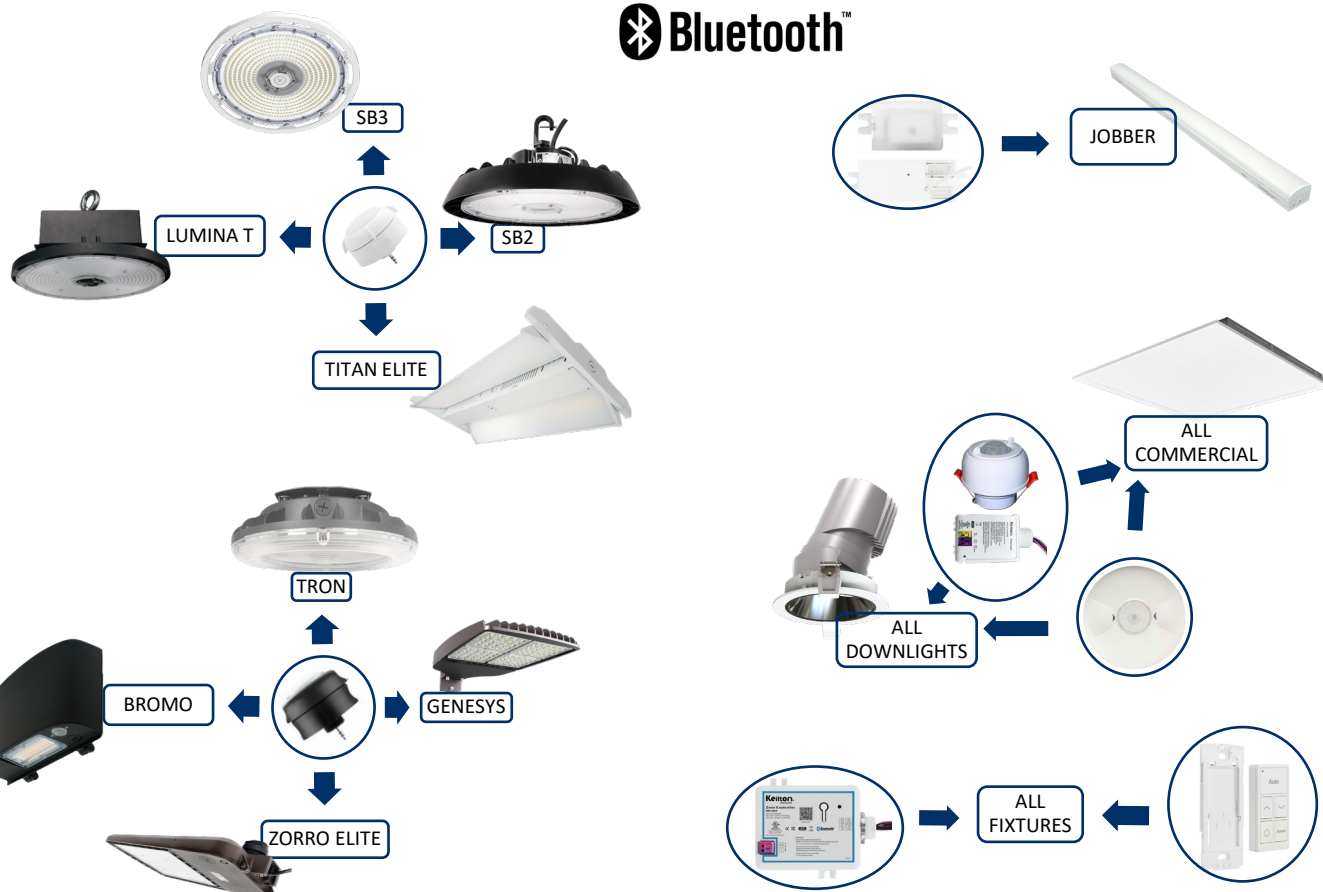
Add switches at each room entry point to control room lights

Personalize and Reconfigure

Customize individual light levels and easily add or remove sensors from a group anytime

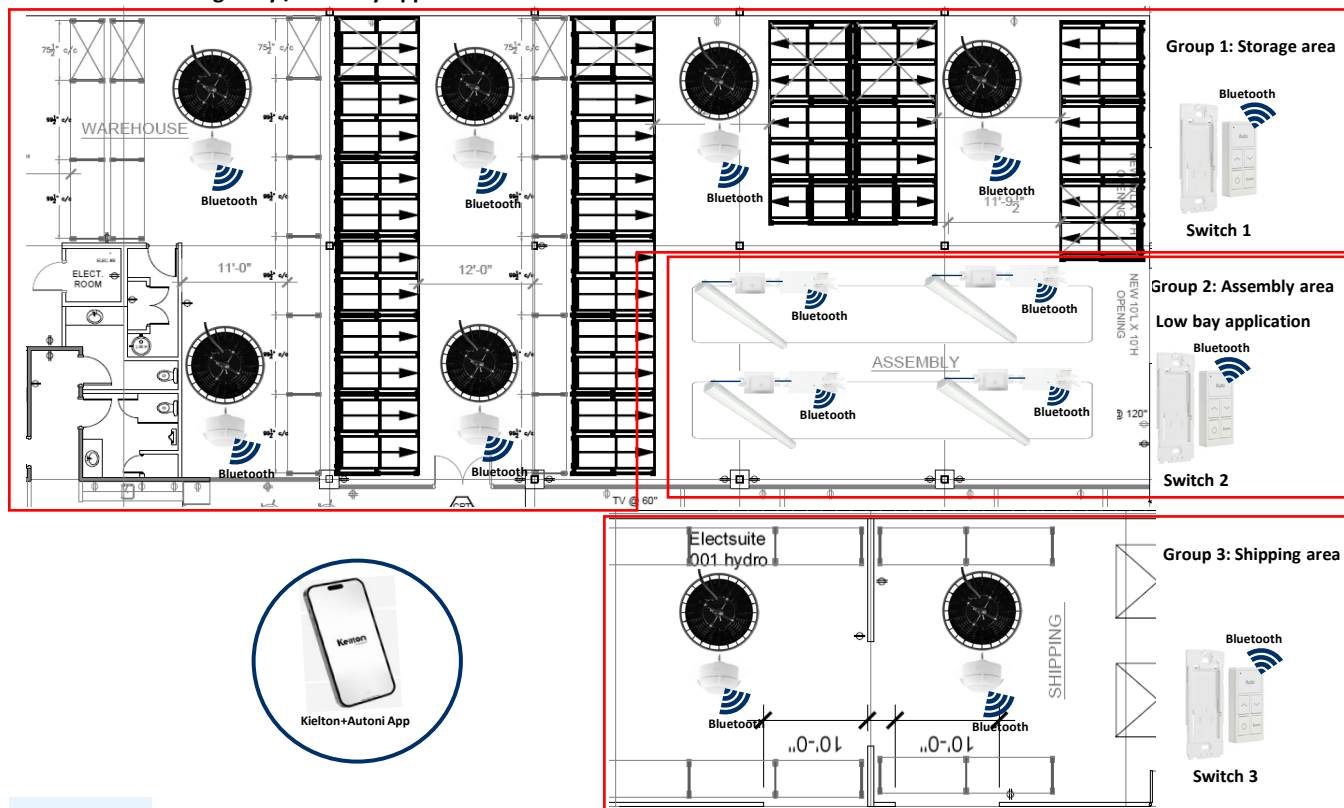
Easy Install

Less labor cost compared to wired lighting solutions due to wireless communications between the switch and sensors



Application

Warehouse: High bay / Low bay application



NOTES

- One sensor per fixture
- Download Kielton application to control the fixture
- Group 1 can be storage area assign the switch 1 to control the light fixture (up to 100) in this zone
- Group 2 can be assembly area controlled by switch 2
- Group 3 the motion sensor "MWS105E" needs "FA102" for Bluetooth connection
- The three groups can have different lighting schedule
- Motion sensor and day light harvesting parameters can be different for each group as required
- Dimming value can be adjusted for each group

Lights

Groups

Switches

Scenes

App

More → Schedule

Menu

- Add unlimited light/motion sensors in the app, in one or multiple zones
- Group up to 100 light in one group
- Turn on/off and dim all the light simultaneously
- Specify motion sensor and day light harvesting parameters
- Add wall Switch to the system to control the group (on/off | dimming | Scene | Auto)
- Create desired scene with required brightness.
- Create multiple lighting schedule to turn the lights on or off or activate the motion sensor/photocell



Lights



Groups



Switches

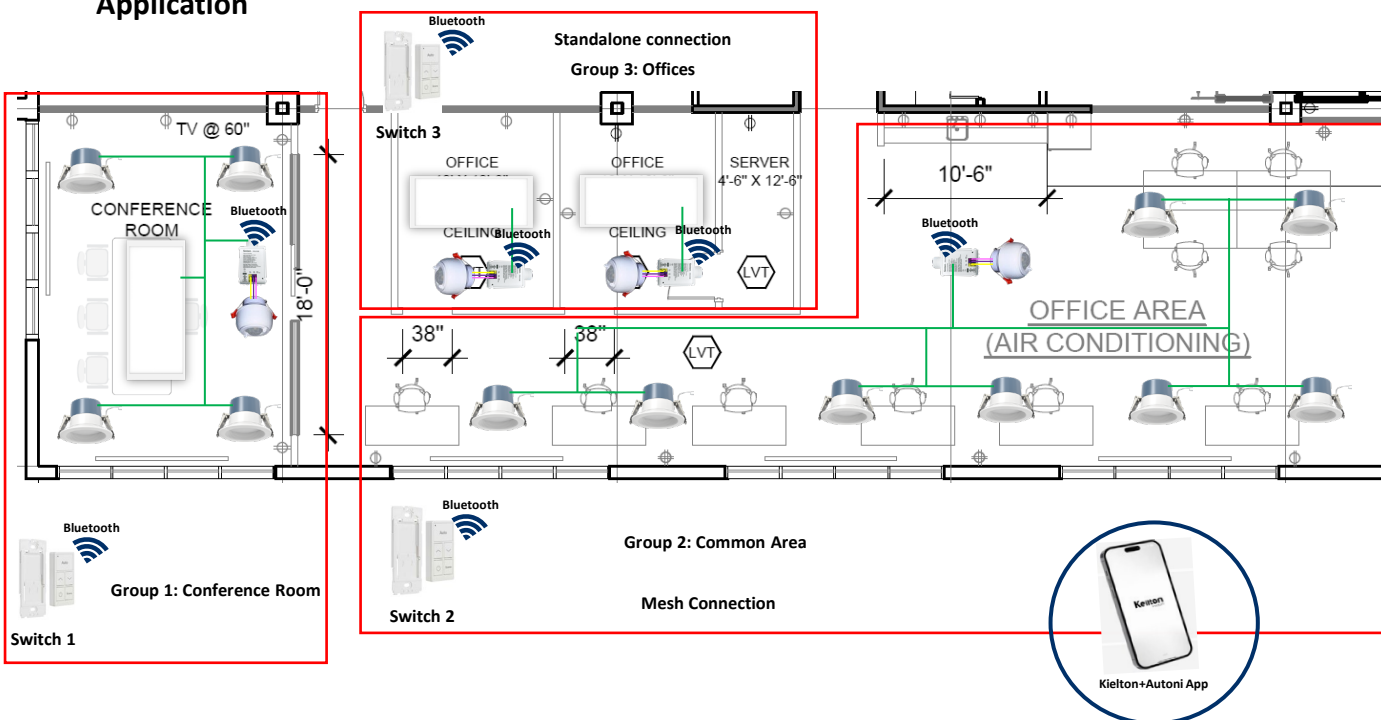


Scenes



More

Application



NOTES

- One sensor per one power pack (fixture controller)
- Connect up to 360W total power fixtures to one power pack which are controlled by one sensor
- Download Kielton application to control the fixture
- Group 1 can be conference room with downlights and flat panel assign the switch 1 to control the light fixture in this zone
- Group 2 can be Common Area with downlights controlled by switch 2
- Group 3 is Offices with one flat panel and motion sensor; stand alone connection
- The three groups can be controlled by one switch if needed.
- The three groups can have different lighting schedule
- Motion sensor and day light harvesting parameters can be different for each group as required
- Dimming value can be adjusted for each group

Lights

- Add unlimited light/motion sensors in the app, in one or multiple zones

Groups

- Group up to 100 light in one group
- Turn on/off and dim all the light simultaneously
- Specify motion sensor and day light harvesting parameters

Switches

- Add wall Switch to the system to control the group (on/off | dimming | Scene | Auto)

App

Scenes

- Create desired scene with required brightness.

More → Schedule

- Create multiple lighting schedule to turn the lights on or off or activate the motion sensor/photocell

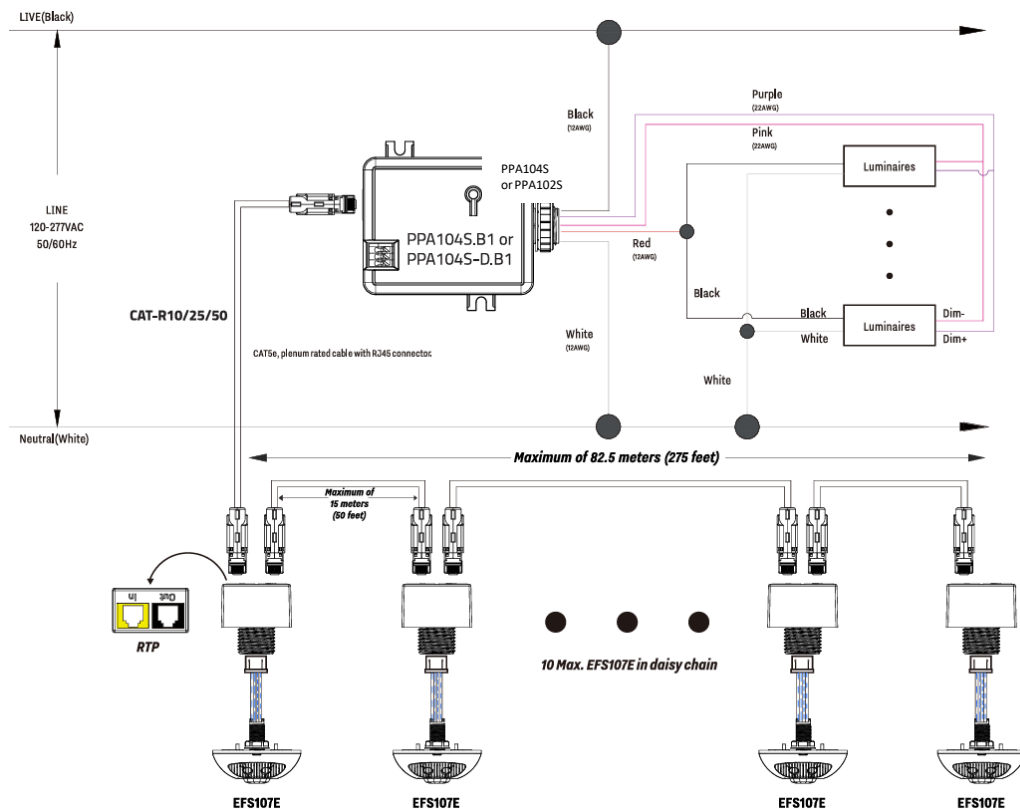
Menu



Application – Daisy chain for PPA102S or PPA104S

**Components needed
(ordered separately)**

- EFS107E
- PPA104S or PPA102S
- RTP
- CAT cable



NOTES

- Multiple sensors per one power pack (fixture controller)
- Connect up to 720W or 2400W total power fixtures to one power pack
- Download the Keilton application to control the fixture

Lights

- Add unlimited light/motion sensors in the app, in one or multiple zones

Groups

- Group up to 100 light in one group
- Turn on/off and dim all the light simultaneously
- Specify motion sensor and day light harvesting parameters

Switches

- Add wall switch to the system to control the group (On/Off | Dimming | Scene | Auto)
- Create desired scenes with required brightness.

Scenes

- Create multiple lighting schedules to turn the lights on or off or activate the motion sensor/photocell

More → Schedule

Menu



Lights



Groups



Switches



Scenes

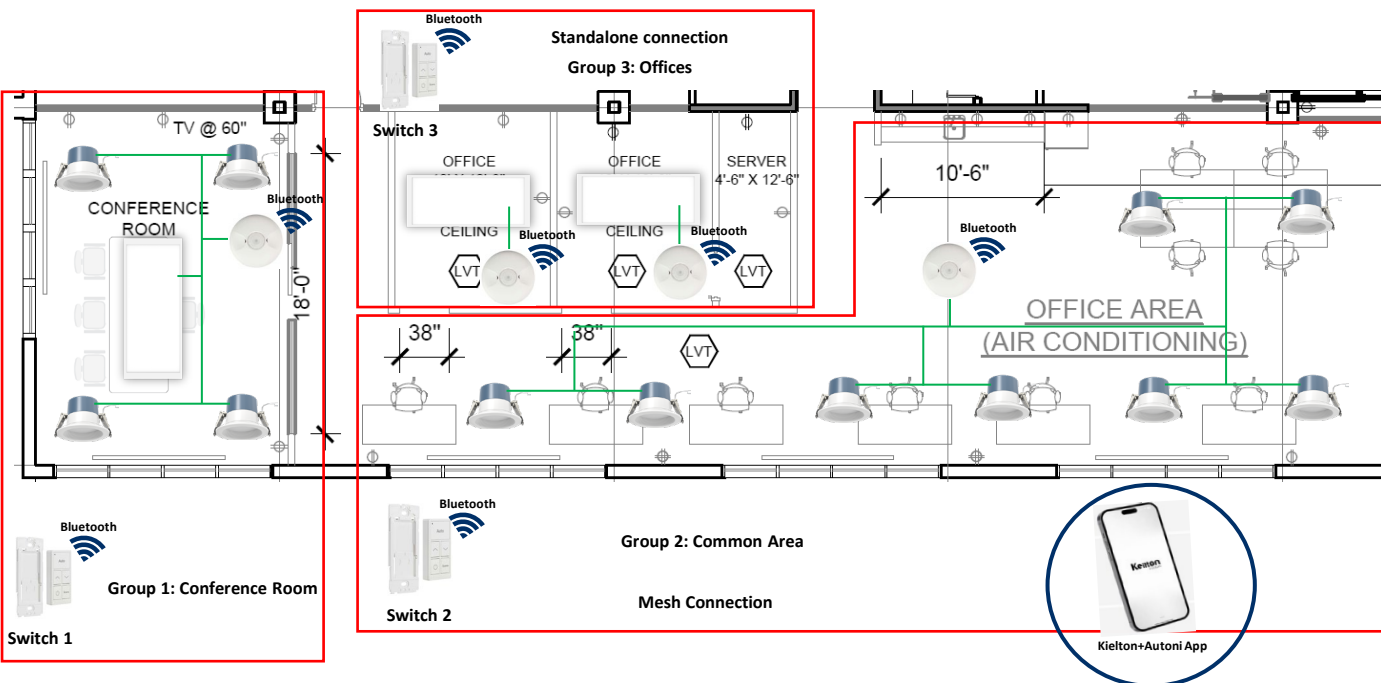


More

Application

NOTES

- One sensor can be connected to multiple fixtures up to a total power output of 800W.
- CS107S does not need any additional accessories. It has built-in Bluetooth and 800W output power.
- Download the Keilton application to control the fixtures.
- CS107S is considered a switch and it is added through the switch menu.
- Different groups can have different lighting schedules
- Motion sensor and day light harvesting parameters can be different for each group as required
- The dimming option is not available with this sensor.



EXAMPLE

- Group 1 can be Conference Room with downlights and flat panel assign the switch 1 to control the light fixture in this zone
- Group 2 can be Common Area with downlights controlled by switch 2
- Group 3 is Offices with one flat panel and motion sensor; stand alone connection

APP

Groups

Switches

Switches

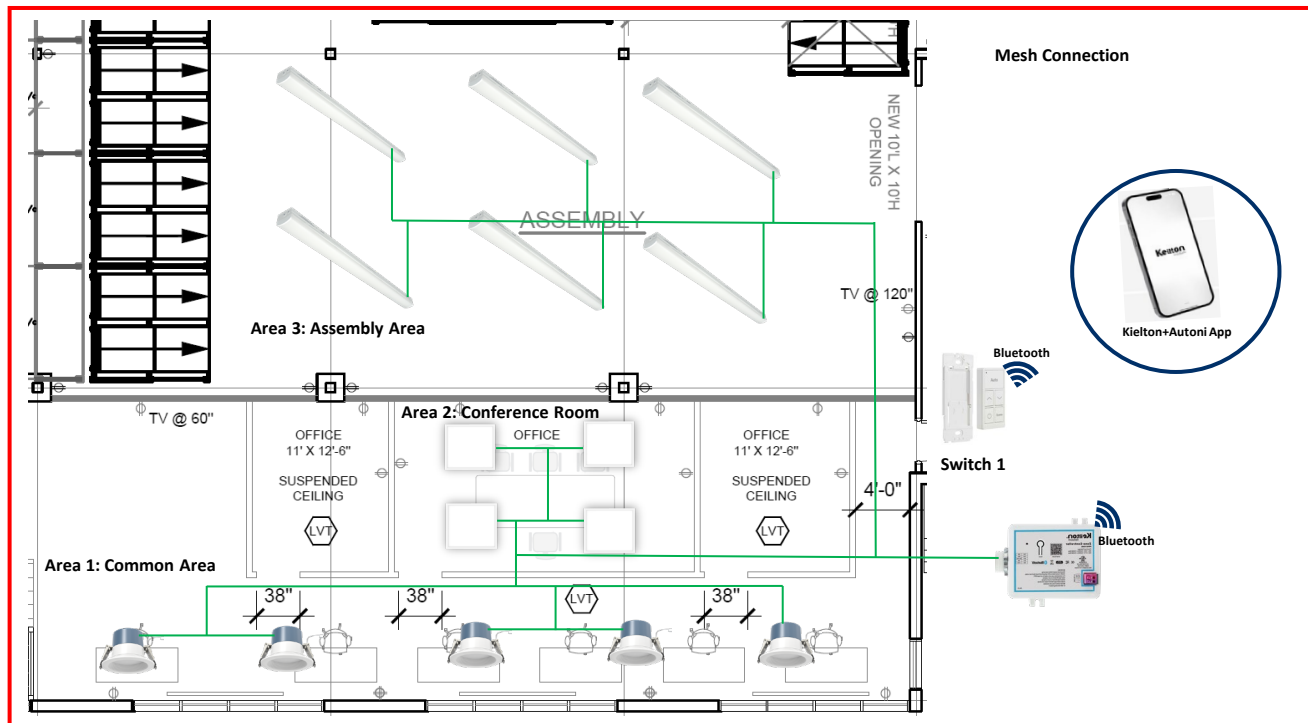
More → Schedule

Menu

- Create a new Group "ex: Offices"
- Add CS107S as a switch
- You can connect up to 800W total power fixtures
- Turn on/off all the lights simultaneously
- Specify motion sensor and day light harvesting parameters
- Add wall switch to the system to control the group "ex: Offices" (on/off)
- Create multiple lighting schedules to turn the lights on or off



Application



NOTES

- One Zone controller can be connected to multiple fixtures up to a total power output of 2400W.
- PPA104S does not need any additional accessories. It has built-in Bluetooth and 2400W output power
- Download the Keilton application to control the fixtures.
- PPA104S is considered as a light and it is added through the Light menu.
- Multiple areas can be controlled as one light using the zone controller
- Assign switch 1 to control all the fixtures (On/Off, Dimming and Scene)
- Areas with the same lighting schedule are considered as one group and one light
- Dimming is available with this controller.

Lights

- Add unlimited light/motion sensors in the app, in one or multiple zones

Groups

- Group up to 100 lights in one group
- Turn on/off and dim all the lights simultaneously

Switches

- Add wall switch to the system to control the group (On/Off | Dimming | Scene | Auto)

Scenes

- Create desired scene with required brightness.

APP

More → Schedule

- Create multiple lighting schedules to turn the lights on or off or activate the motion sensor/photocell

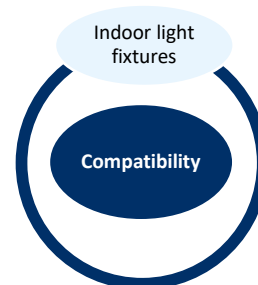
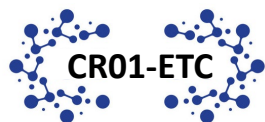
Menu



Control System

ARIA PLUS | Mesh Connection | Bluetooth

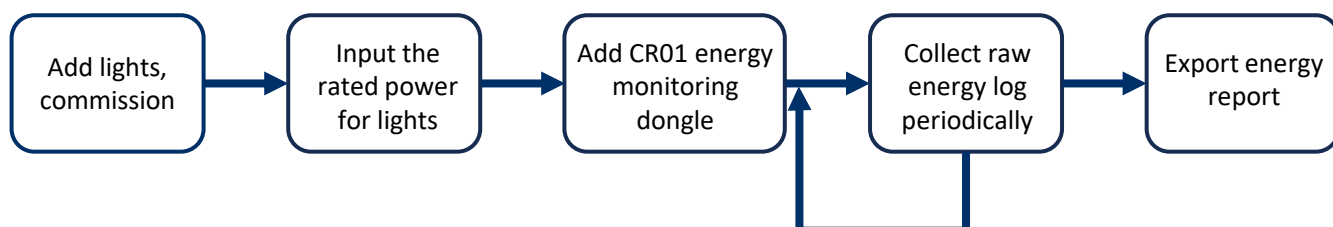
USB DONGLE



The CR01 series USB dongles elevate the capabilities of a Keilton+autani Bluetooth mesh network zone. Integrating a Real-Time Clock (RTC) and powered by a USB-A receptacle with backup power from the integrated CR2032 battery, both versions synchronize all devices within the zone, facilitating precise and consistent scheduling across the entire system.

Parameters	
Input Voltage	5V
Input Current	500mA Max
Bluetooth Transmit	100ft Max
Application	Indoor
Operating Temperature	-30°C to 55°C
IP Rating	IP20

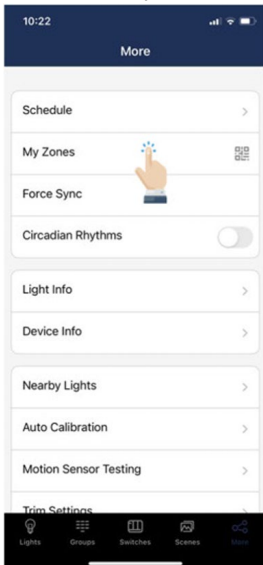
Features
Energy monitoring functionality
collecting and analyzing the zone's energy consumption data to generate usage reports
empowers users with valuable insights into their energy usage
A raw log of energy consumption data is recorded every 15 minutes
Powered by USB-A receptacle
Embedded RTC to sync all devices in one Zone
Includes an internal battery to keep time during a power outage
Records energy consumption raw log in SIM Card (not included)



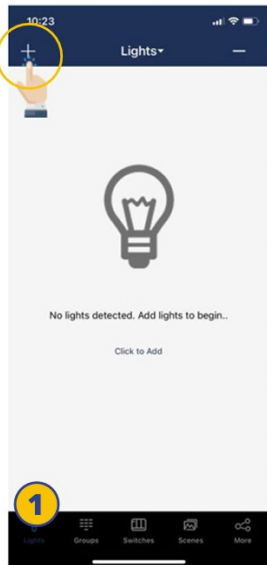
NOTE • Please refer to Keilton App Instruction for adding lights and commissioning

KEILTON+AUTANI APPLICATION

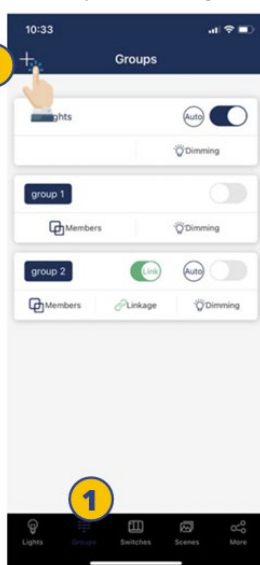
1. Create a zone:
More → My Zones



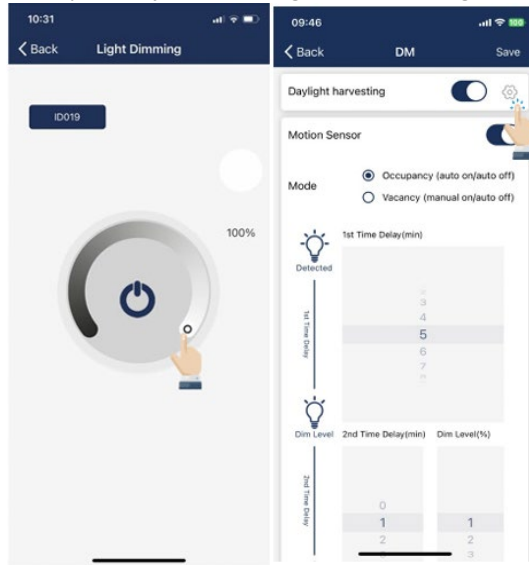
2. Add lights:
Lights → Add lights



3. Create Groups:
Group → Add lights



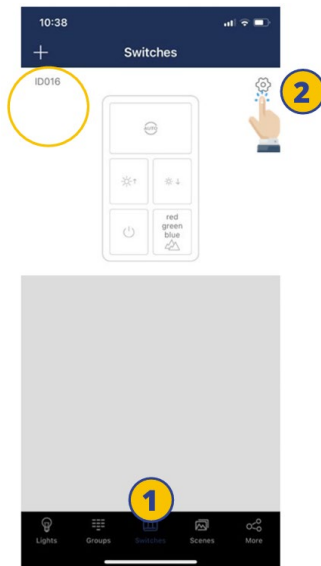
4. Adjust motion sensor and DLH:
Group → Adjust dimming/sensor settings



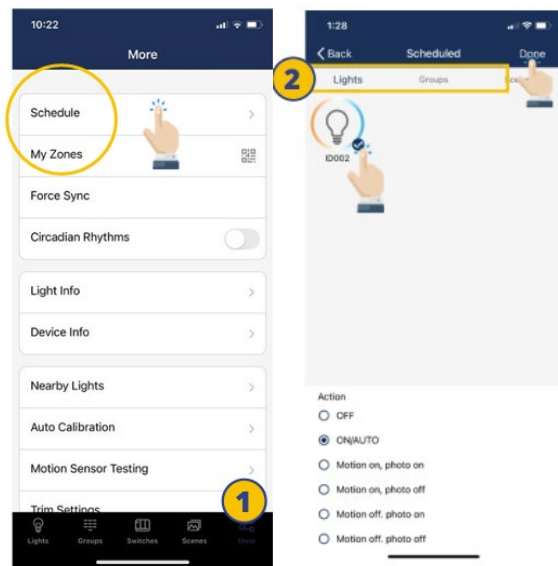
5. Create different scene:
Scenes → Assign different scenes



6. Add switch:
Switches → Add switch to each group created



7. Create light schedule:
More → Schedule
Add multiple light schedule to turn on off the light or the motion sensor



NOTE

- Lights: EFS106-AUX | FA102 / MWS105E | EFS107 / PPA103S | PPA104S
- Switches: PPA104S | WP1025

- CR01-ETC USB Dongle should be connected to USB port to power on, and can be added through: More → Device info → Add device
- For more details, contact manufacture

CAPACITY LIMIT

Luminaires	Up to 100 lights (nodes) per zone. Unlimited zones available with each zone having its own sharable QR code with commands and setting info assignable for administrative or user level
Luminaire / Group	A light can be a member of up to 20 groups
Scene	Up to 32 scenes can be set to a light. Up to 127 scenes can be set to a zone
Schedule	Up to 32 schedules can be set to a zone
Switch	Up to 32 switches can be set to a zone. Note: switches and lights are calculated separately. Adding switches to a zone does not affect the maximum number of lights.

DAY LIGHT HARVESTING SETTINGS

DH Min Dim(%)	The minimum light level that daylight harvesting sensor can dim a luminaire to
Delay Time (S)	The time the sensor will wait to dim down the luminaire when ambient light has gone up
Speed (100ms)	How quick the sensor should dim the luminaire.

MOTION SENSOR MODES

Occupancy Mode	Auto turns on when motion is detected and auto turns off when T1/T2 timeout
Vacancy Mode	Auto turns off when T1/T2 timeout, lights must be manually turned on with switch
Note	T1 and T2 time delays may be set to infinite to prevent lights from turning off

MOTION SENSOR SETTINGS

1 st Time Delay (T1)	How long the fixture turns on when motion is detected
2 nd Time Delay (T2)	How long the fixture stays on after no motion is detected (after T1 ends)
Dim Level (%)	The dim level for the fixture during T2