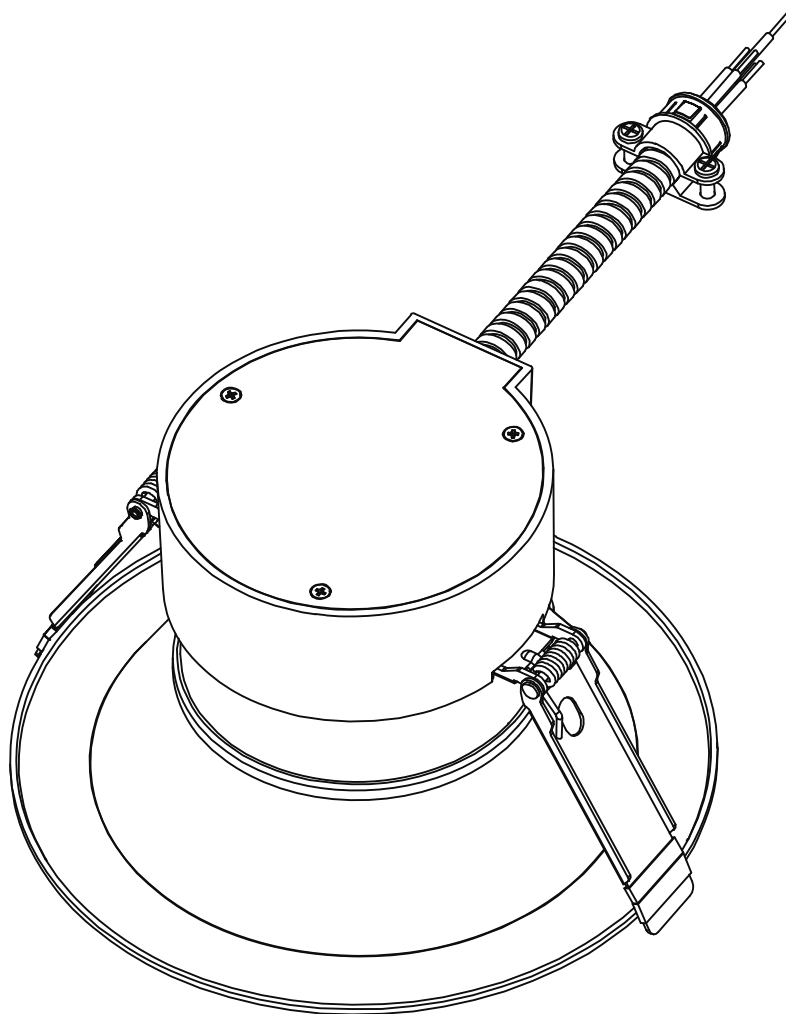




LED DOWNLIGHT



■ Important Safety Instructions:

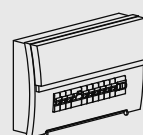
Basic safety precautions should always be followed when installing, including the following:

1. Read all instructions.
2. Licensed electrician for installation only.
3. Always ensure the power is OFF and the light fixture has cooled down before performing any maintenance, cleaning, or adjustment to the light fixture.
4. Do not install any luminaire near the heat source.
5. Do not exceed the nominal supply voltage or amperage ratings.
6. To avoid injury or damage to the light fixture, please ensure that power leads and screws are secure before connecting the power

■ Installation Instruction

WARNING ⚡

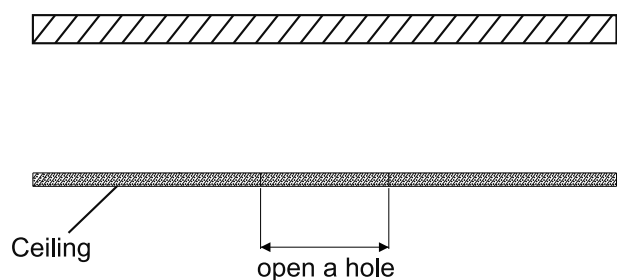
1. Switch off before installation.
2. Switch on only after complete installation and examination of the circuit.
3. Professional electrician for installation and maintenance only.



**Turn Off
Power Supply**

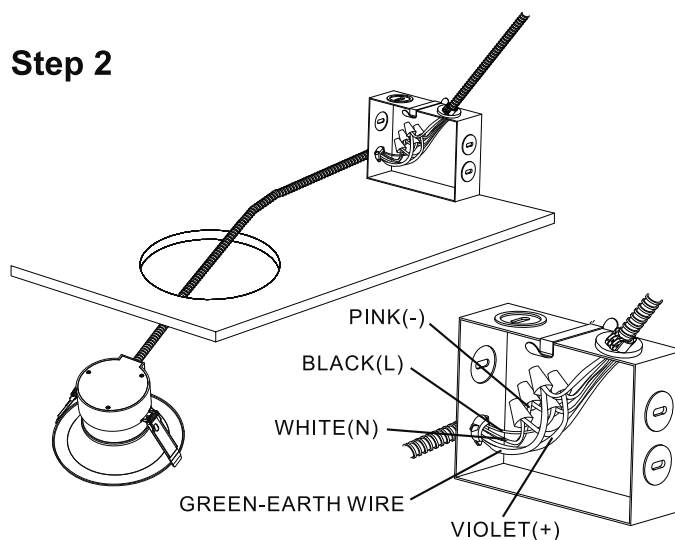
Turn Off power supply before starting any installation. Read instructions & check you have all the tools & accessories to complete the installation correctly.

Step 1



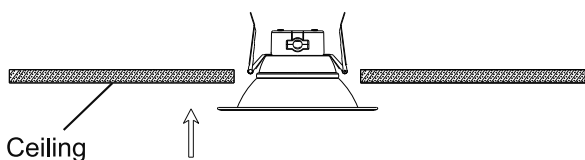
Cut hole in ceiling according to cutout template for each model

Step 2



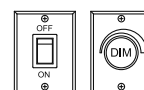
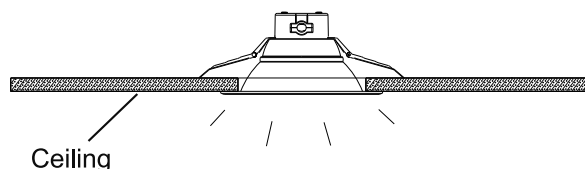
Connect AC and Dimming wires correspondingly as shown in picture Junction box not included.

Step 3



Bend back the spring clips then push the light fixture into the hole.

Step 4



Installation completed. Switch on.

APP User Manual

Download and NAVIGATE the APP:

To download the Keilton NLC APP, scan the QR code below, which corresponds to the type of smart phone/tablet that will be downloading the APP:



Keilton iOS



Keilton Android
@Google Play

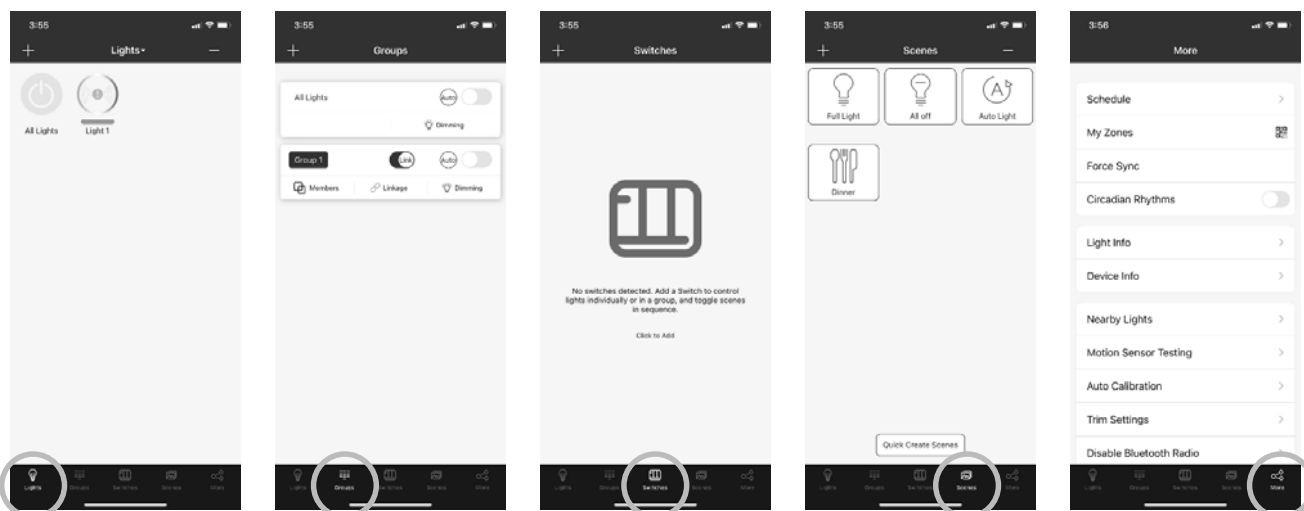
Please scan the QR code according to your phone type to download APP.

* Support most Android smart phones. Some Android phone models may not support due to the phone's hardware or firmware issues.

* APP needs access to network and Bluetooth among others, please grant these privileges to the APP, APP will not collect user's private data.

APP Navigation

Keilton's NLC APP has five tab pages which you can move between to provide easy control of your lights, they are located in the bottom menu bar of the screen.



Lights

"Lights" shows all lights that are connected to the app. It allows the user to view and control individual lights.



Groups

"Groups" allows user to create and manage groups.



Switches

"Switches" displays all switches that are connected to the APP. It also allows the user to view/edit switch controls.



Scenes

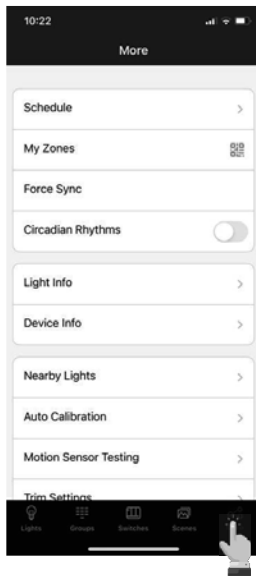
"Scenes" allows the user to create and manage scenes.



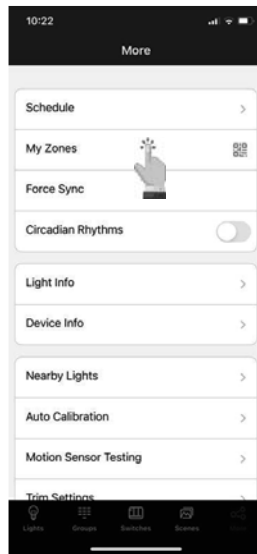
More

"More" allows the user to view Schedules, Zones, Light and Device Info, and other additional settings.

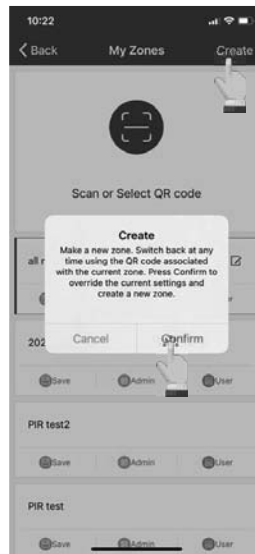
Creating Zones



Start Keilton APP and click "More".



Click "My zones".



Click "Create" on top -right and then click "Confirm".



Input the name of the QR code then click "OK".



You may find all zones in the list and click to switch between them and also change the name by clicking the button.

A QR code represents an zone and the lights, switches and other devices in this zone. It is suggested to create QR codes for all zones and pre-create all groups, scenes and their names to reduce work on site.

Add lights



Press the "+" on the top left corner in "Lights" page of the APP.



APP will scan and list all nearby lights that can be add to the zone. Click a light to turn on/off it so to locate it quickly.



Click the checkbox on the bottom right corner of the light to select/un-select this light.



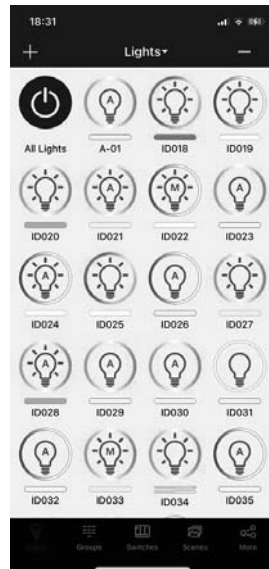
Click the "Add" button to add all selected lights to the zone.



Click the "Add" button to confirm. Light will blink to indicate a successful add operation.



Please click "Back" button to return to "Lights" page when done.



You may see the newly added lights in "Lights" page. Please do it again if there are lights that haven't been added successfully.

It's suggested to add lights zone by zone if there are many lights to be added. Do not power on more than 100 lights at a time. And shut off the power of the lights that are not in the current zone. That can prevent wireless communication jam due to too many lights sending signals.

Quick Dimming and Color Tuning



1. From the Lights page, a quick select on a light's icon will turn it on or



2. Lightly slide a finger left or right across the light's icon to adjust brightness.



3. Lightly slide a finger up or down over a light's icon to adjust the color temperature.



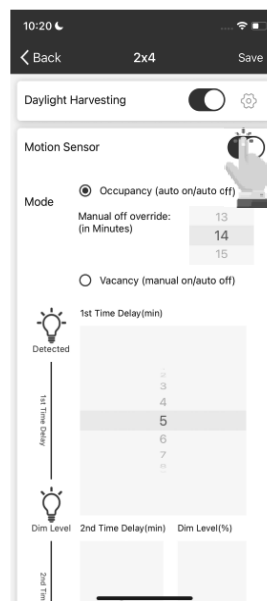
Sensor setting



1. From the Lights page, do an extended press and hold on a light's icon to open the Light Dimming settings page.



2. Select the "Sensor Settings" icon in the lower right corner.



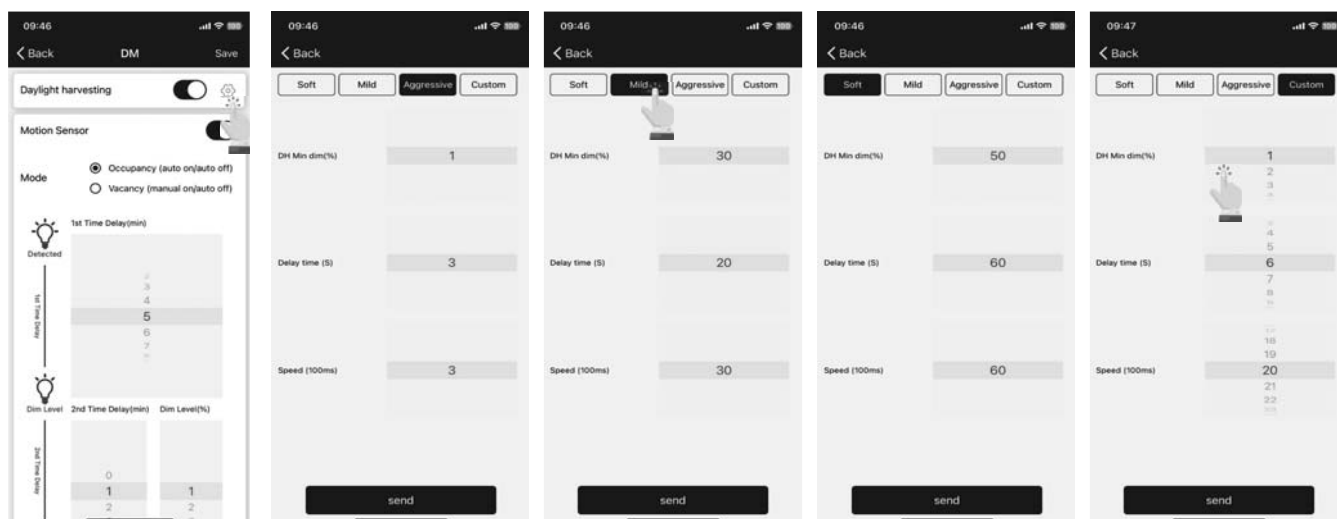
3. Enable or disable motion sensors, and set levels as desired.

There are two working modes of motion sensors, their behaviors in auto mode are defined as follow, please refer to the product spec for more details:

- Occupancy sensor, auto turns on when motion detected, and auto turns off when 1st/2nd timer timed out.
- Vacancy sensor, manual turns on when people entered the area and auto turns off when 1 st/2nd timer timed out.

1 st and 2nd time delay may set to "infinite" to prevent lights from turning off to meet special requirement for certain app.

Daylight Harvesting Strategy



1. Select the setting button beside Daylight harvesting toggle button to set daylight harvesting

2. There are three pre-defined strategies, select the one that best fits application.

3. Custom will allow user to fine-tune the daylight harvesting parameters.

Adjustable parameters for daylight harvesting strategy include:

• DH Min dim(%)

It is the minimum light level that daylight harvesting sensor can dim a luminaire to. Set this parameter higher if you want keep the luminaire brighter and set it lower if you want to save more energy. If you set the value lower than the 'low-end-trim' then 'low-end-trim' is actually working.

• Delay time (S)

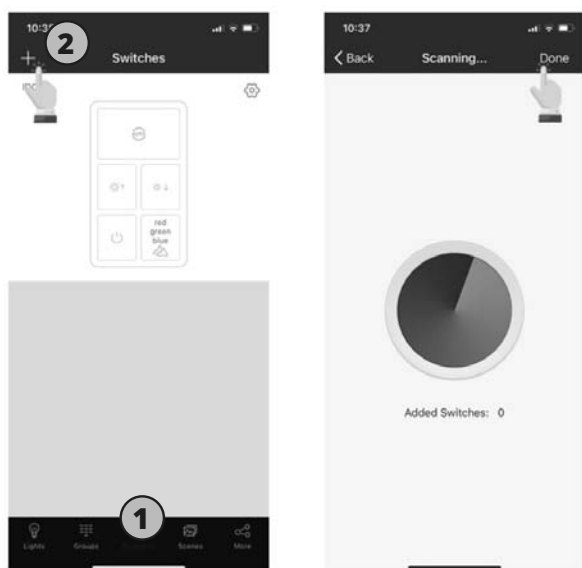
The time the sensor will wait to dim down the luminaire when ambient light has gone up. The unit of this parameter is in seconds. Set this value larger if you want the luminaire to hold the level longer even when ambient light has gone up.

• Speed (100ms)

How quick the sensor should dim the luminaire. The unit of this parameter is in 100 milliseconds. Set this value larger if you want the dimming process to be more gentle and softer.

Name	Response speed to ambient light changes	Minimum daylight harvesting light level	Suggested applications
Soft	Slow	50%	Independent office, parlor, concierge area
Mild	Medium	30%	Open office, classroom, meeting room
Aggressive	Quick	= low-end-trim (1% or 10%)	Tea room, storage room, warehouse

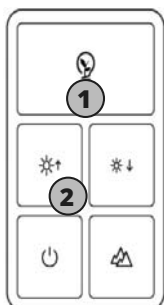
Add a Switch



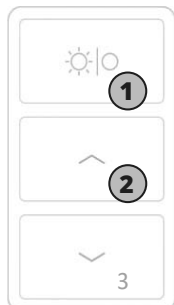
1. Select the "Switches" page of the APP.
2. Press the "+" button in the upper left corner.

3. The APP will search for nearby switches.

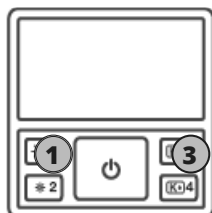
4. Follow the instructions below in order to pair the specific Switch type.



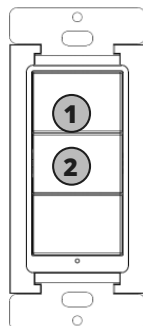
Press the **button 1 and 2** together and hold for 2 seconds and then release.



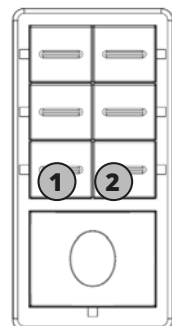
Press the **button 1 and 2** together and hold for 2 seconds and then release.



Press the **button 1 and 3** together and hold for 2 seconds and then release.



Press the **button 1 and 2** together and hold for 2 seconds and then release.



Press the **button 1 and 2** together and hold for 2 seconds and then release.



Press the **button 1 and 2** together and hold for 2 seconds and then release.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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.

NOTE: 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.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement in portable exposure condition without restriction.