

WHAT IS...



COMPANY PRESENTATION



OVERVIEW:

SLG Sync is the lighting controls brand under SLG (Spring Lighting Group) – this presentation will highlight the products, app, and services offered by SLG SYNC.



LED Luminaires



Lighting Controls



LED Sports Luminaires

SO WHAT IS...



?



SLG Sync is a commercial-grade, network lighting controls system. Utilizing powerful *Bluetooth mesh* technology to connect sensors, fixtures, controllers, wall switches, and our APP for the easiest wireless controls option on the market with the best support.



Luminaire Level Lighting Control (LLLC)

SLG Sync has LLLC capabilities – Capability to integrate/embed an occupancy sensor, ambient light sensor and networked controller directly into a luminaire (fixture) and/or kit at the time of manufacture; and also satisfy the Control Persistence capability.

KEY PILLARS OF



KEY PILLARS OF



DEVICES

APP

NLC LISTED

OPTIONAL **LAYOUT DESIGN**

OPTIONAL **ON-SITE COMMISSIONING**

KEY PILLARS OF



DEVICES

APP

NLC LISTED

OPTIONAL **LAYOUT DESIGN**

OPTIONAL **ON-SITE COMMISSIONING**

DEVICES:

Sensors, Controllers, Accessories, and Controls-Ready Fixtures.

APP:

Commissioning, controls, scheduling, and more. Available on Apple and Google Play store for FREE.

NLC LISTED:

Cyber security, energy monitoring, emergency lighting, external systems integration, energy rebates, and more.

LAYOUT DESIGN:

We will offer controls layout designs similar to our lighting designs offered by SLG Lighting. Available soon.

ON-SITE COMMISSIONING:

Our professional staff can handle on-site commissioning, recommended for larger projects.

THE TECHNOLOGY BEHIND...





SLG Sync utilizes Bluetooth technology to build a network of devices that are all connected to each other wirelessly.

“When people think of Bluetooth they *generally think* of short-range, residential use products like headphones, speakers, and single light fixtures.” **SLG SYNC IS NOT THAT!**



BLUETOOTH MESH

SLG Sync builds a network (kind of like a spider web), where all devices of the system communicate wirelessly with the ability to connect hundreds of devices.

When a device is added to the network ALL other devices in the network recognize it – they work together in a wirelessly connected network.



COMMERCIAL GRADE CAPABILITIES

This technology allows SLG Sync to offer a robust, commercial grade amount of controls options while being easy to commission and control from a mobile device.

- **Gateway Free**
Bluetooth Controls App
- **0-10V Dimming**
Bi-Level Motion
- **Harvesting**
Daylight Harvesting Sensor
- **PC**
Photocell Switch
- **Spectrum Analysis**
Distinguished Nature & Artificial Light
- **Energy Monitor**
Measure Energy Consumption

SYSTEM FEATURES

WattStopper® SLG sync™

OCCUPANCY	✓	✓
VACANCY	✗	✓
CONTINUOUS DIMMING	✓	✓
TUNABLE WHITE	✗	✓
HIGH TRIM	✓	✓
DAYLIGHT HARVESTING	✗	✓
APP CONTROL	✗	✓
LINKAGE	✗	✓
GROUPS	✗	✓
SCENES	✗	✓
SCHEDULE	✗	✓
CIRCADIAN	✗	✓
ENERGY MONITOR	✗	✓
REMOTE ACCESS	✗	✓



Bluetooth Enabled

DEVICES



DEVICES

APP

NLC LISTED

OPTIONAL LAYOUT DESIGN

OPTIONAL ON-SITE COMMISSIONING

DEVICES:

-Sensors

Including integrated sensor + controller devices.
Bluetooth and ECO sensors.

-Controllers

Bluetooth and ECO controllers.
Bluetooth Nodes.

-Accessories

Wall switch.
Receptacles.
Ceiling mount option.

-Controls-Ready

Fixtures

Plug and play, Bluetooth driver
integrated fixtures.

DEVICES/ Sensors



DEVICES/ Sensors

Commissioning |
BLUETOOTH

Input Voltage |
12V DC

IP Rating
66



MSB-DCE-06

Use with one of these lenses



MSB-13-L3

8 - 10 ft
Mounting Height



MSB-13-L7

20 - 40 ft
Mounting Height

Compatibility

0-10V Dimming

High Bays

Middle Bays

Strip Lighting

Adapter pieces used depending on fixture model



SR01

OR



SR02

PLUG AND PLAY: Integrated controller and sensor combo, the 1/8" jack plugs directly into a receptacle on our HEC/HFO Selectable high bays offering **a great stocking sensor.**

Other compatible fixtures require simple knock-out installed receptacles (SR01 or SR02).



Examples:

HEC - Plug MSB-DCE-06 sensor directly into the receptacle.



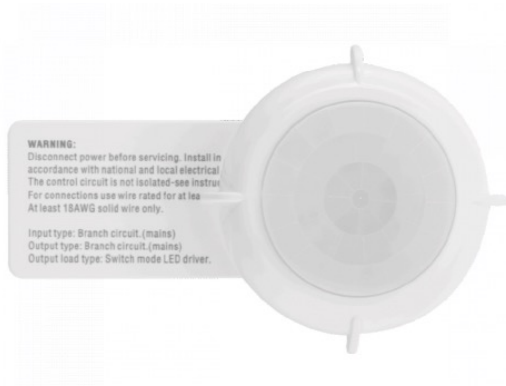
Example:

TSC - Install SR02 using the knockout then plug in the MSB-DCE-06 sensor into the receptacle.



DEVICES/ Sensors

Commissioning | Input Voltage | IP Rating
BLUETOOTH | AC 120-277V | 66



MSB-ACI-01

Use with one of these lenses



MSB-13-L3

*8 - 10 ft
Mounting Height*



MSB-13-L7

*20 - 40 ft
Mounting Height*

Compatibility

1-10V Dimming

High Bays

Parking Garage

Area Lights

(available in Dark Bronze)

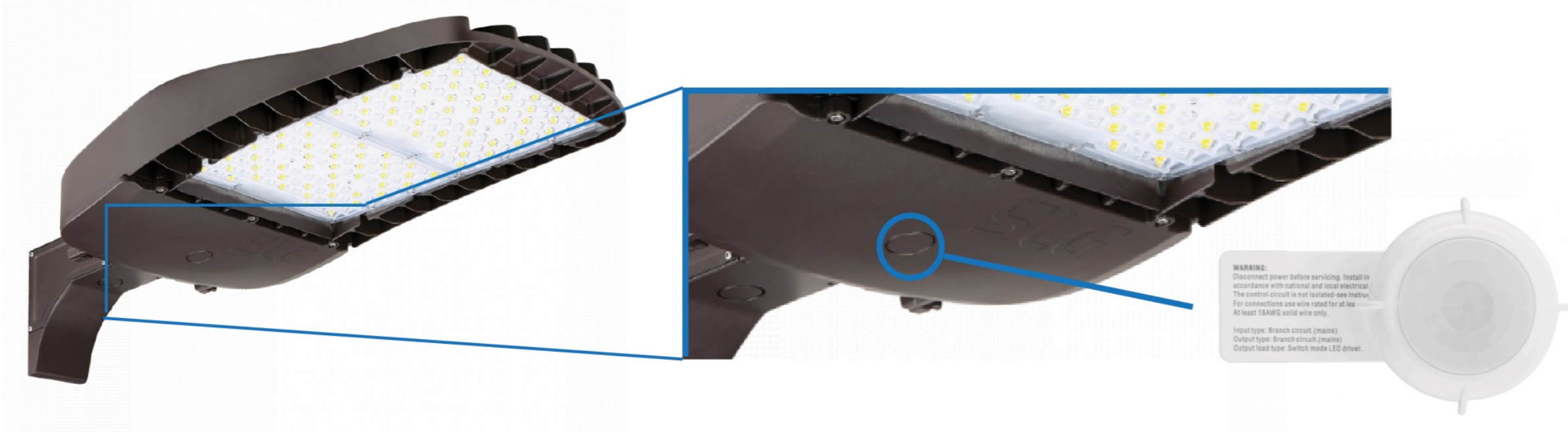
DIM TO OFF: Integrated controller and sensor combo featuring a 0-10V relay for full dim-to-off capabilities.



SENSOR APPLICATION

Example:

ALW - Install using the knock out.



OUTDOOR USE: UV Resistant option (dark finish) available for a clean look and improved lifeline.



DEVICES/ Sensors

Commissioning |
BLUETOOTH

Input Voltage |
AC 120-277V

IP Rating
66



MSB-ACE-04

Use with one of these lenses



MSB-13-L3

8 - 10 ft
Mounting Height



MSB-13-L7

20 - 40 ft
Mounting Height

Compatibility

1-10V Dimming

High Bays
Vapor Tight
Canopy



Example:

CSC - Install using the knock out.

Controls Ready Fixture sensor Connects to “Controls Ready” fixtures.



MSE-DCI-08

Compatibility

Bluetooth Controls Ready

Troffer

Panel

Strip Lighting



Example:
TPB -
Install using
recepticle on
fixture.



SENSOR APPLICATION

For use with:



MSE-DCI-08



TPB - Bluetooth Controls Ready Panel

TDB - Bluetooth Controls Ready Troffer

TDRB - Bluetooth Controls Ready Troffer Retrofit Kit

TSB - Bluetooth Controls Ready Strip

Ceiling sensor Mounts to a ceiling and wires to a controller.



MSB-DCE-07



CM01

Ceiling
mount
adapter.



**CS4-22/3-
300V-W-6FT**

Power cable
connects to
power pack.

Compatibility

Troffers
Panels
Office Lighting
20' Mounting Height

SENSOR APPLICATION

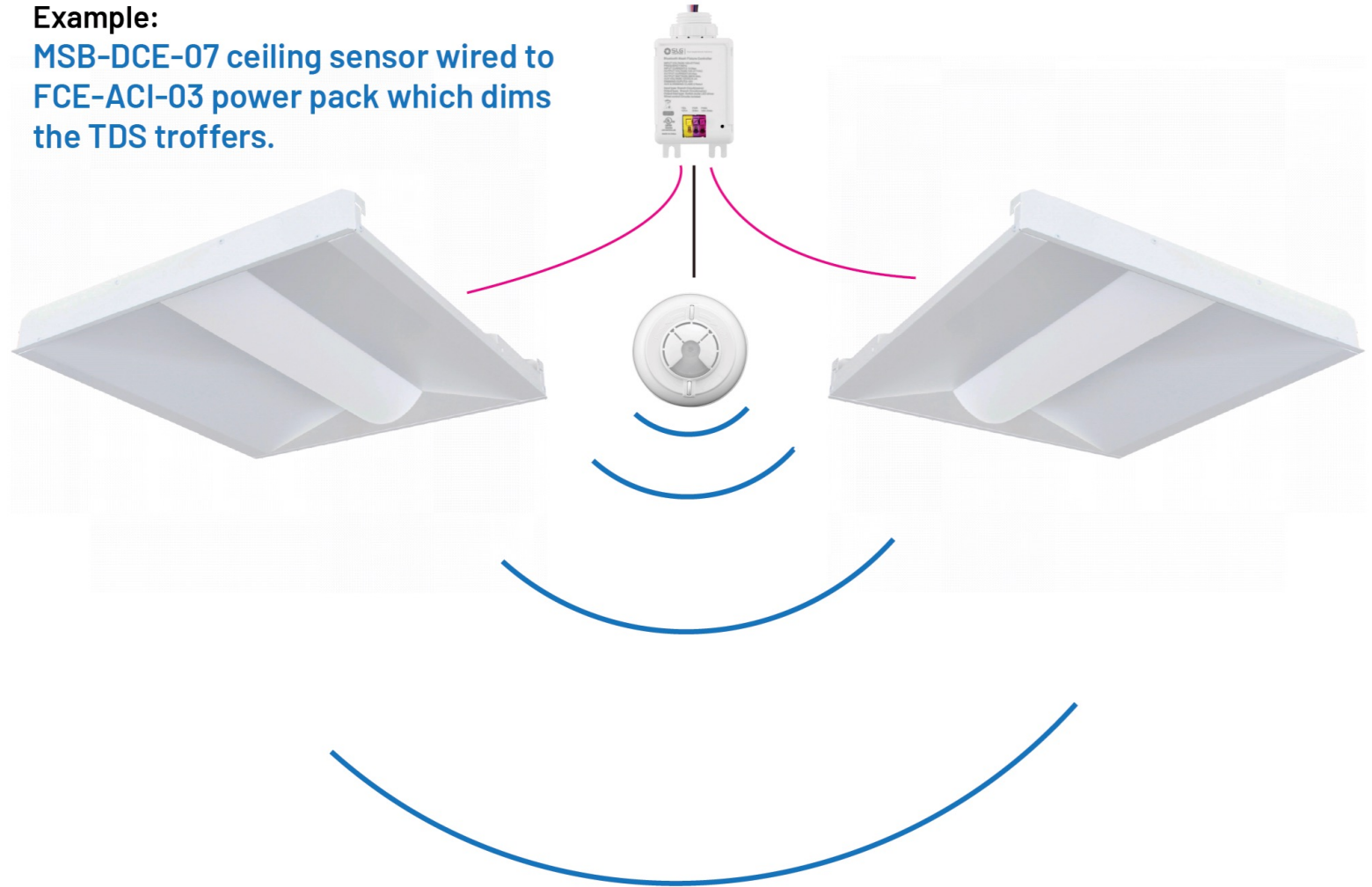


MSB-DCE-07



FCE-ACI-03

Example:
MSB-DCE-07 ceiling sensor wired to
FCE-ACI-03 power pack which dims
the TDS troffers.



DEVICES / Controllers

Bluetooth Node Plug-in for easy installation.



FCB-DCE-02

Adapter pieces used depending on fixture model



SR01

OR



SR02

Compatibility

0-10V Dimming

High Bays

Middle Bays

Strip Lighting

Example:
FCB-DCE-02 plugs directly
into the HFO LS2 G2's receptacle.



DEVICES/ Controllers

Fixture controller power pack Eco-power pack for most lighting applications.



FCE-ACI-03

Compatibility

Hard wired, low voltage lighting application.

Fixture controller power pack Bluetooth power pack for lighting applications.



FCB-ACI-02

Compatibility

Wireless, low voltage lighting application.

Zone controller Zone Controller which provides much higher power load than the standard fixture controller



ZCB-AC-04

Compatibility

Wireless, larger capacity lighting application.

Emergency Lighting Shuts down controls system in the event emergency lighting is enabled.



ZCB-AC-09

Compatibility

Emergency Lighting Applications

DEVICES/ Accessories



PIR - 1/8" Jack
Receptacle for
PIR Sensors/Nodes.

SR01



PIR - 1/8" Jack
Receptacle for
PIR Sensors/Nodes
- 90° elbow.

SR02



Snap-in ceiling
mount for ceiling
sensor.

CM01



6' cabling for
ceiling mount
sensor.

**CS4-22/3-
300V-W-6FT**



Energy monitoring -
Saves controls
configurations.

NCB-DC-01



5 Key Bluetooth
switch/remote.

WCB-DC-025

Battery powered – average battery
life of 3 years.



Wall plate for
WCB-DC-025.

WC-WP-01

DEVICES/

Controls Ready

Fixtures



DEVICES/ Controls Ready Fixtures

TDB - Bluetooth Controls Ready LED Troffers



2' x 2' LED Troffer
35W / 4,500 Lm - MAX
3000K - 5000K CCT



2' x 4' LED Troffer
45W / 5,800 Lm - MAX
3000K - 5000K CCT

Simple sensor solution



MSE-DCI-08



DEVICES/ Controls Ready Fixtures

TDRB - Bluetooth Controls Ready LED Retrofit Kit Troffers



2' x 2' LED Retrofit Kit Troffer
30W / 3,800 Lm - MAX
3000K - 5000K CCT

2' x 4' LED Retrofit Kit Troffer
(Not Pictured)
45W / 5,800 Lm - MAX
3000K - 5000K CCT



MSE-DCI-08

Simple sensor solution





DEVICES/ Controls Ready Fixtures

TDB - Bluetooth Controls Ready LED Troffers



2' x 2' LED Panel
30W / 3,800 Lm - MAX
3000K - 5000K CCT



2' x 4' LED Panel
50W / 6,400 Lm - MAX
3000K - 5000K CCT

Simple sensor solution



MSE-DCI-08



DEVICES/ Controls Ready Fixtures

TSB - Bluetooth Controls Ready LED Strip



4' LED Strip
45W / 5,900 Lm - MAX
3000K - 5000K CCT

8' LED Strip (Not pictured)
75W / 9,900 Lm - MAX
3000K - 5000K CCT

Simple sensor
solution



MSE-DCI-08

 **OSLG sync™** Lighting Controls

APP



DEVICES

APP

NLC LISTED

OPTIONAL

LAYOUT DESIGN

OPTIONAL

ON-SITE COMMISSIONING

APP:

-Lights

Individual light pairing – controls – and commissioning

-Groups

Create/Manage groups of lights

-Switches

Pair/Commission switches

-Scenes

Create/Manage scenes (one-touch lighting settings)

-More (Set Zones)

The "More" tab is for creating/managing zones, schedules, energy monitoring, and more



APP/ Overview

The **SLG Sync APP** is a lighting controls and commissioning app.

Featuring basic controls options like dimming, on/off, and color settings and powerful commissioning options, schedule setting, and more.



DOWNLOAD THE FREE
CONTROLS APP



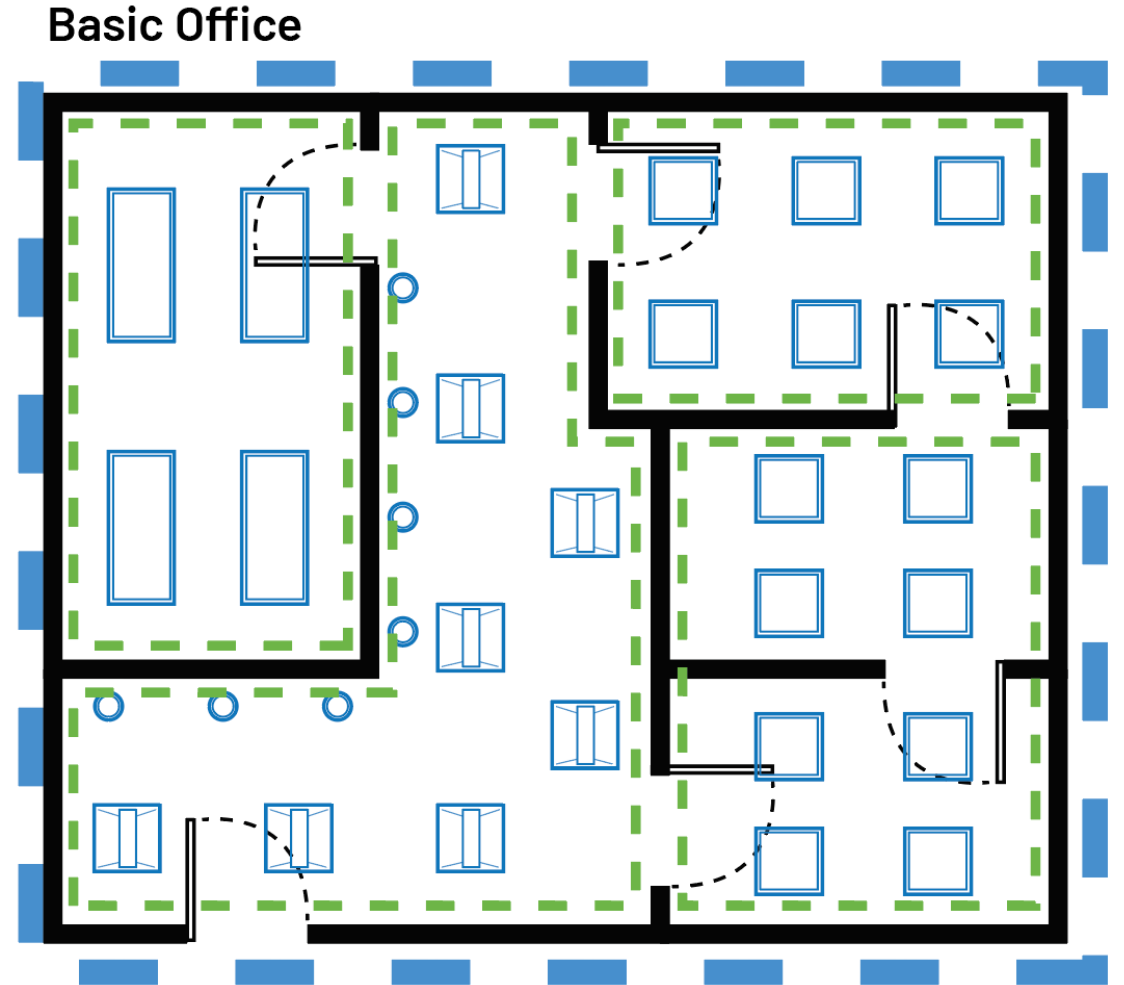
Simple and Powerful -
Controls at your fingertips.



APP/ Commissioning Overview

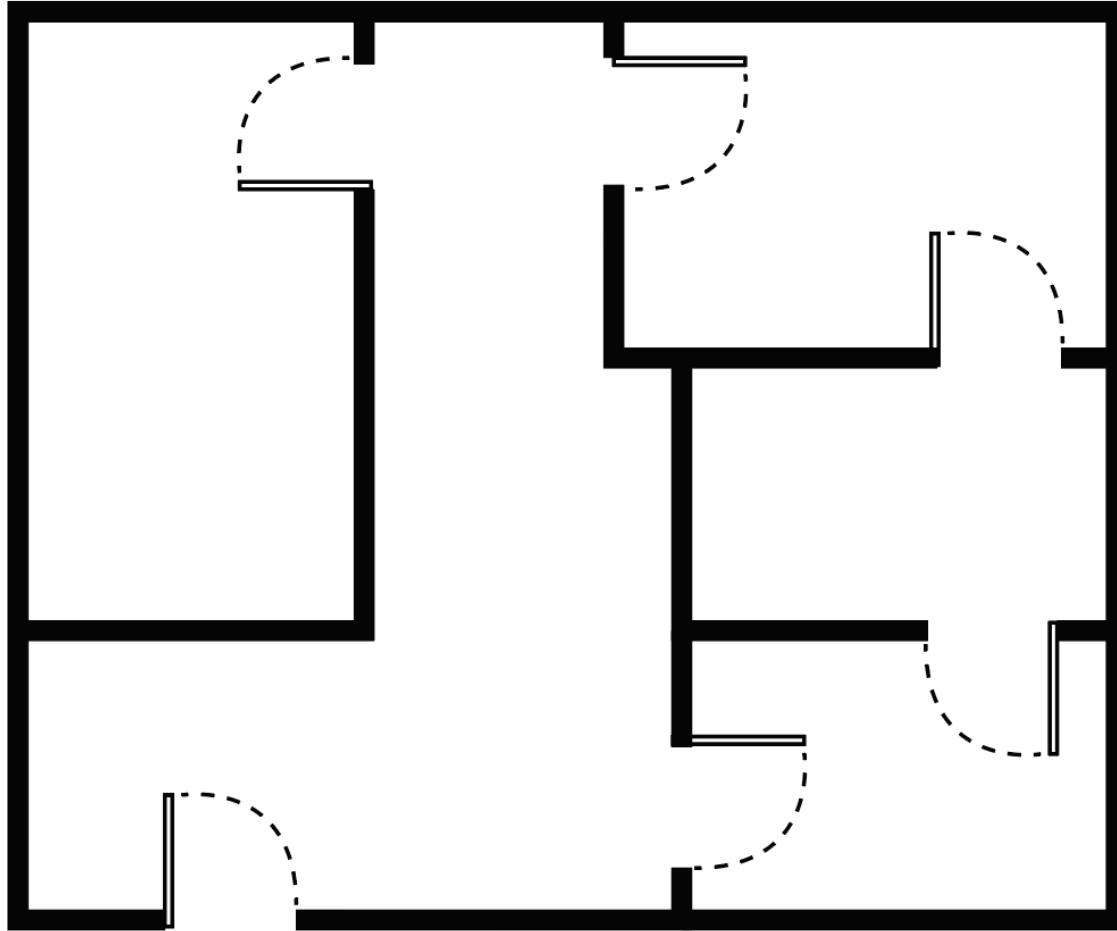
A **network lighting controls** project can be daunting – with the help of a consumer friendly, commercial grade system like **SLG Sync** that offers full customer support the process is easy.

You'll want to start with an **installation layout** (SLG can provide) that will show where all devices will be installed. Then make a plan for the functionality needed for parts of the building.



Note: Example purpose ONLY – not a real layout design.

Basic Office



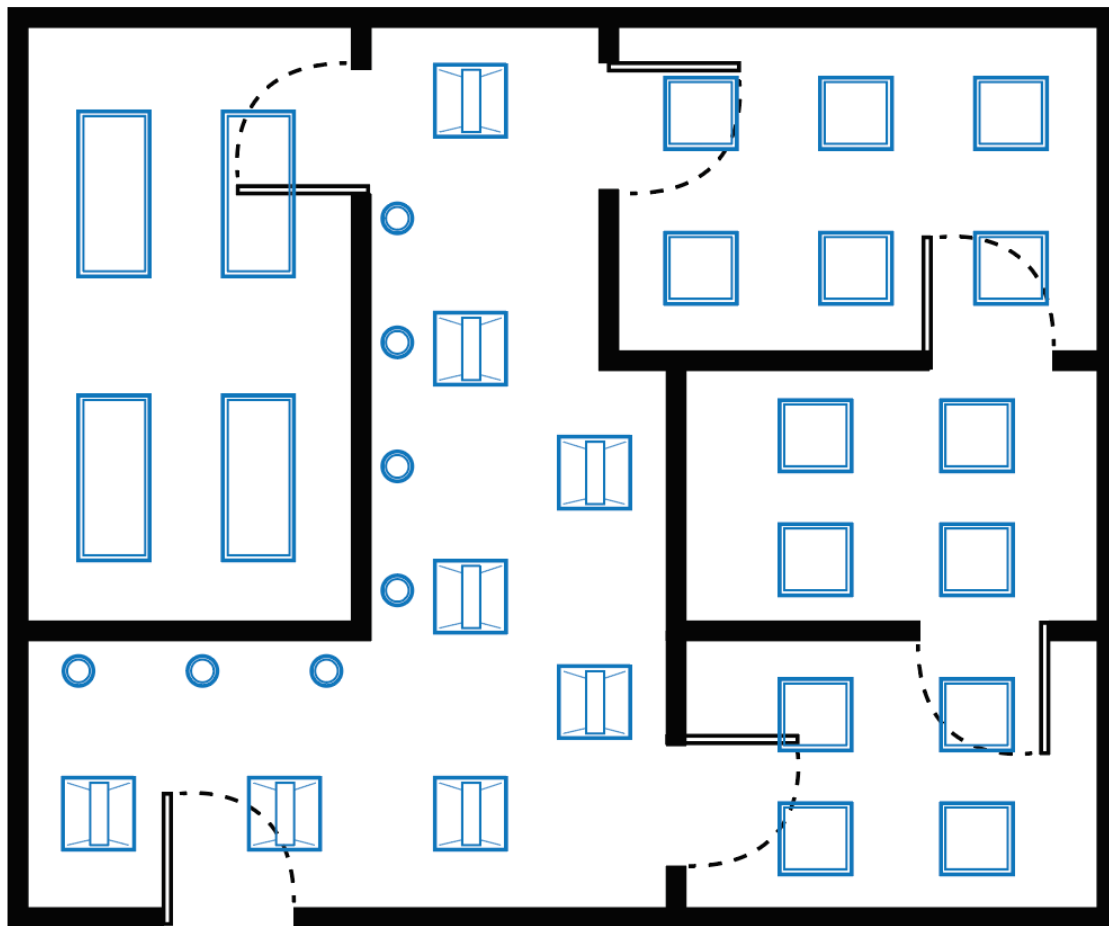
Here's an example of a building layout.

This office would be very dark!

Let's fix that!

Note: Example purpose ONLY – not a real layout design.

Basic Office



 Fixtures/Lights

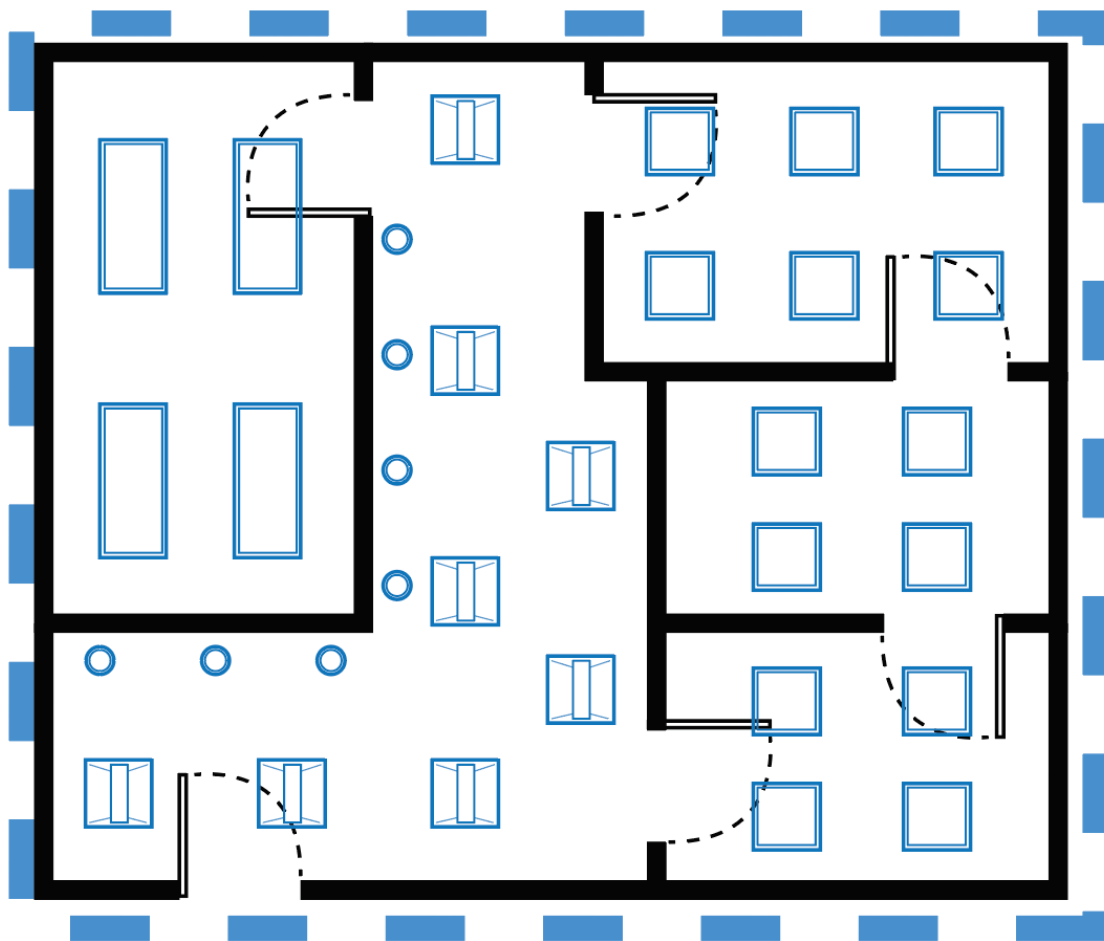
Note: Example purpose ONLY – not a real layout design.

That's better!

Now we've got **SLG Lighting** panels, troffers, and downlights laid out.

Time to group these lights together for optimal functionality and ease.

Basic Office Commissioning



ZONE

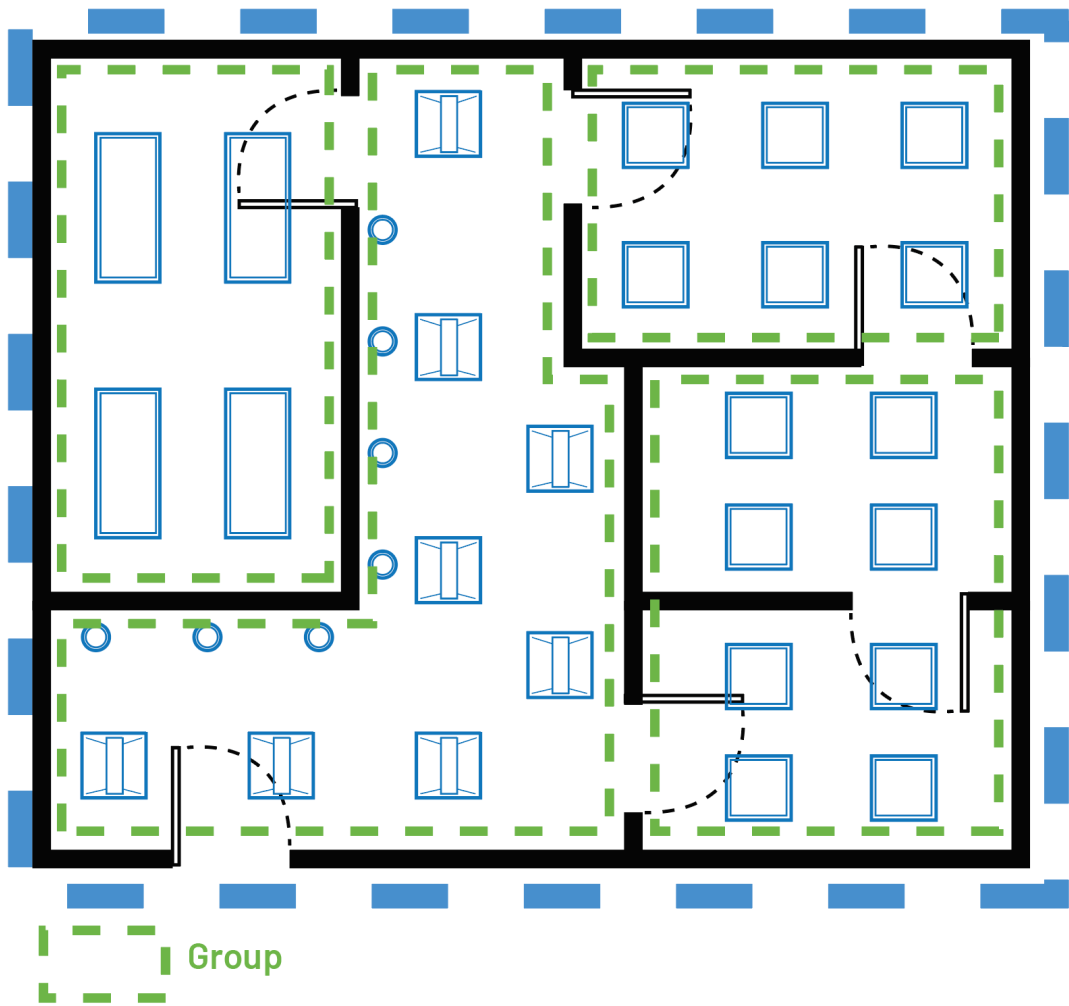
Note: Example purpose ONLY – not a real layout design.

First we define a **ZONE**.

This is a selection of an area of lights divided based on their functionality (think scheduling needs).

Zones are created/managed in the "More" tab of the **SLG Sync APP**.

Basic Office



Note: Example purpose ONLY – not a real layout design.

Then we define a **Group**.

A group is a selection of lights within a Zone – once assigned in the app, can be controlled together.

Groups are created/managed in the “Groups” tab of the **SLG Sync APP**.

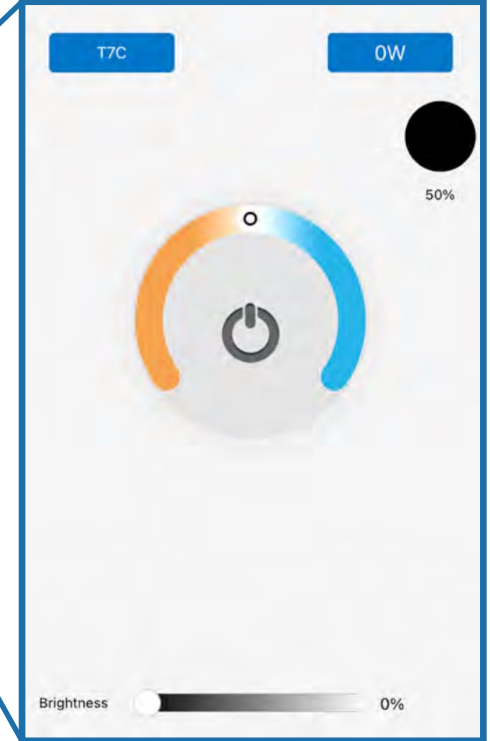
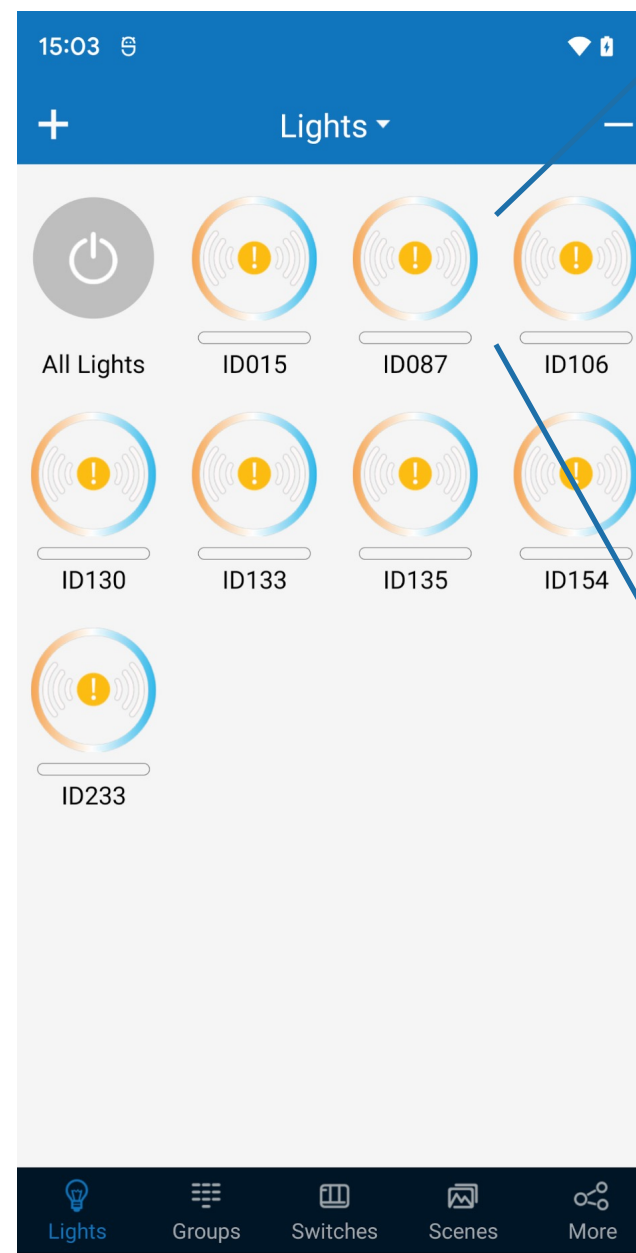
APP / Lights



The **Lights** tab displays all the lights in the network. When adding a new light – this is the tab to use.

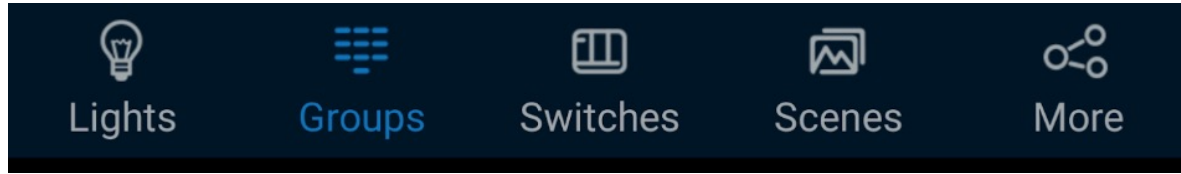
Lights can be assigned names and controlled individually.

This tab is ideal for trouble shooting, commissioning, and initial set up.



Tap/Slide adjust brightness and color.

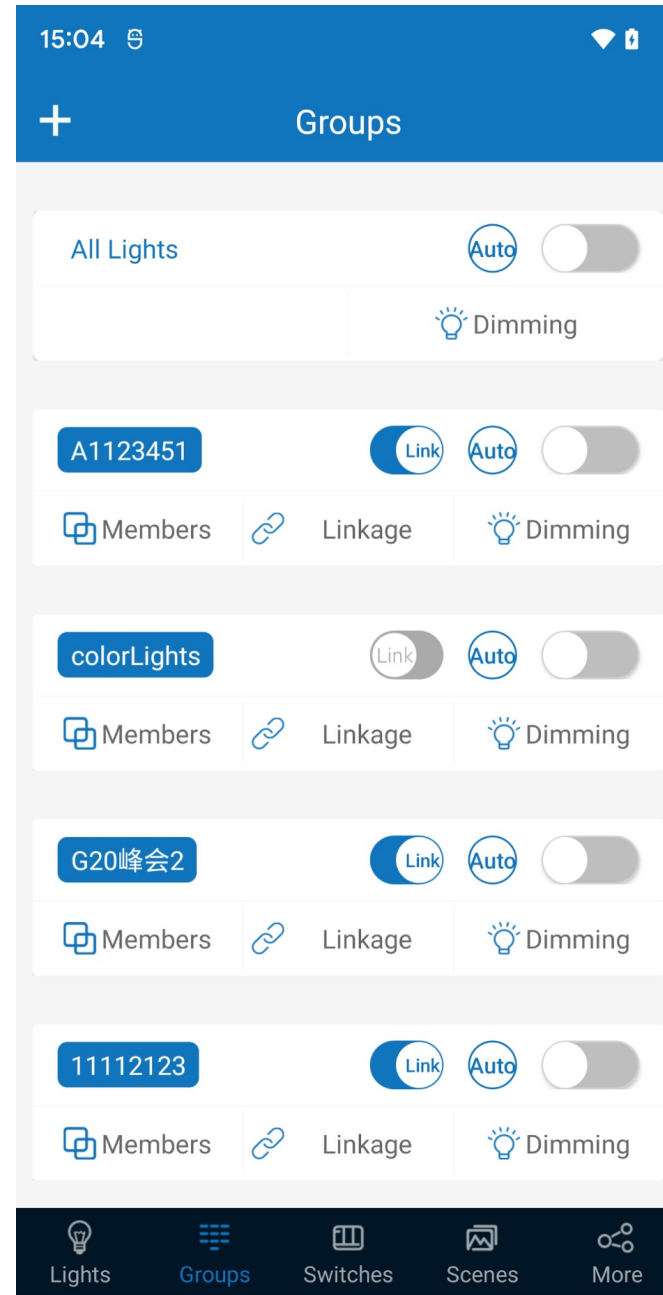
APP / Groups

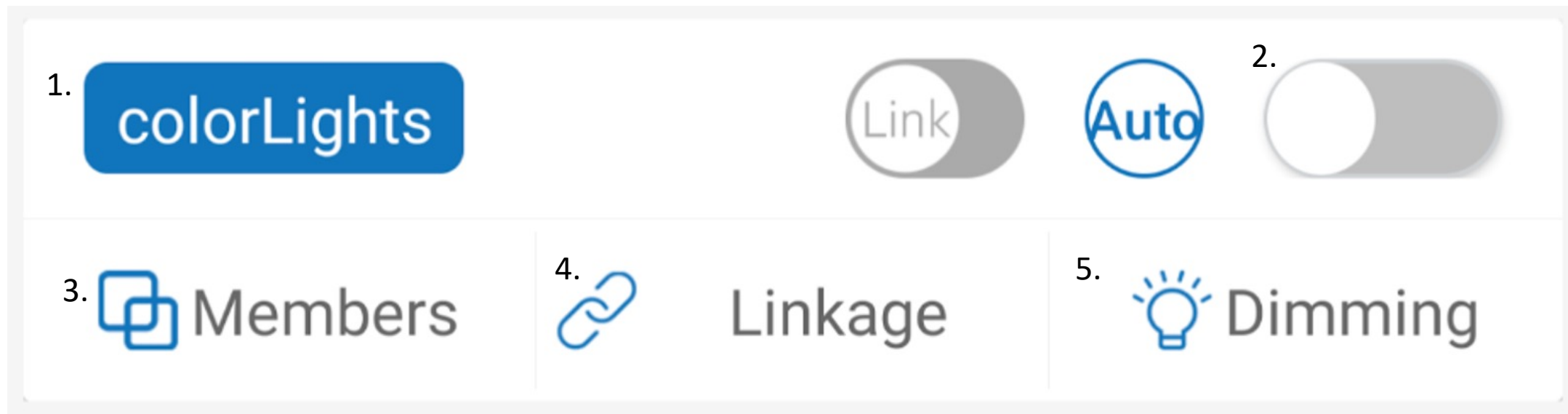


The **Groups** tab displays all the groups in the network. Users can create/edit/delete groups.

Lights can be assigned names and all the lights in a group can be controlled together.

This tab is ideal for trouble shooting, commissioning, and everyday controls.





1. The group name – can be edited and called anything the user wants.

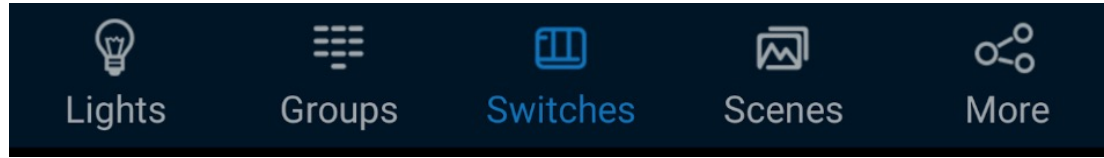
2. On/Off toggle – turns on/off all the lights in the group.

3. Members– assign/delete lights from the group.

4. Linkage – Adjust brightness settings for this group when the group is linked to other groups/sensor.

5. Dimming – dimming controls for the group.

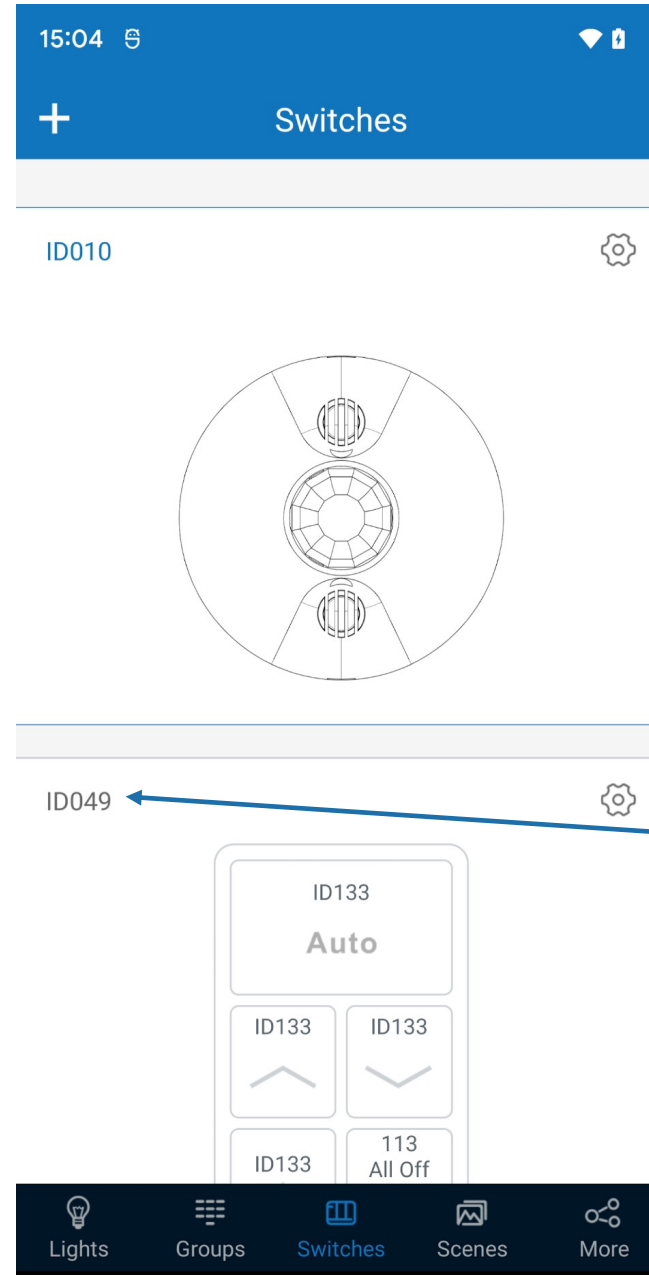
APP / Switches



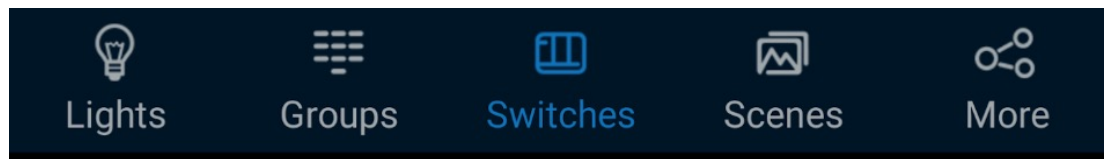
The **Switches** tab displays all the switches in the network. Users can assign groups/lights to each switch.

Any switches within range will be detected and edited using this tab.

Users can change the name and assign which lights/groups the switch will control.



Switch name – users can edit and change this.

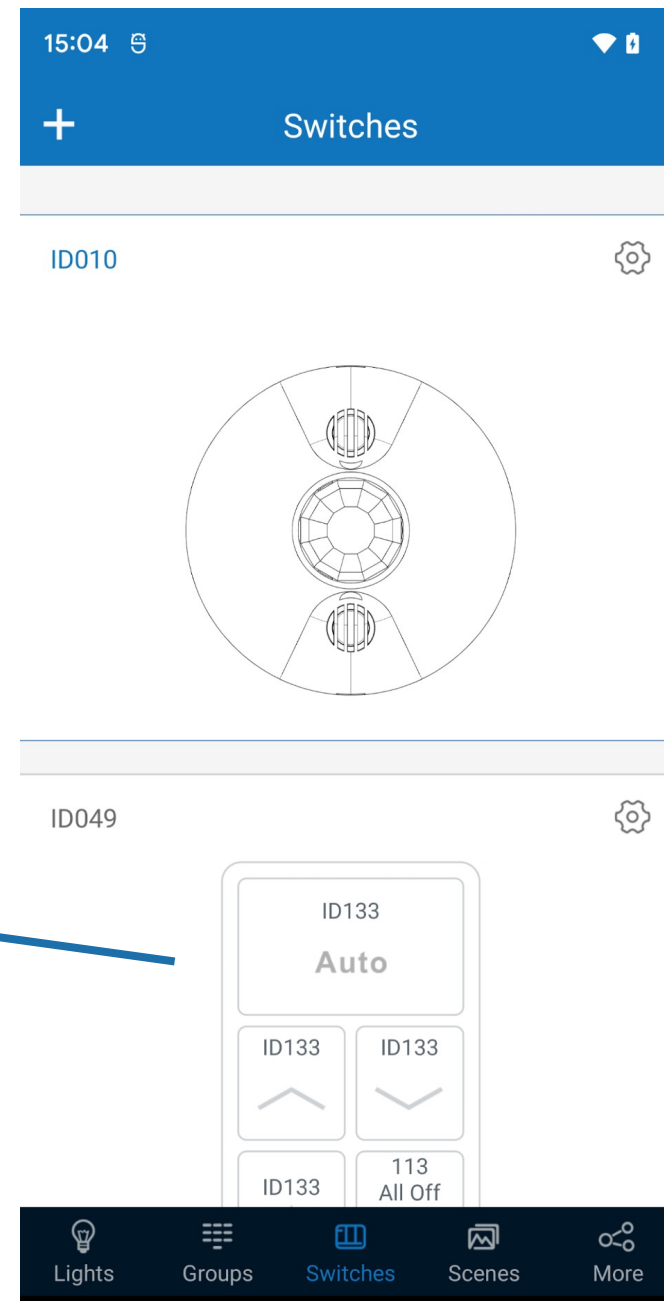


The wall switch will pair with the **SLG Sync APP** – allowing for easy commissioning for each wall switch.

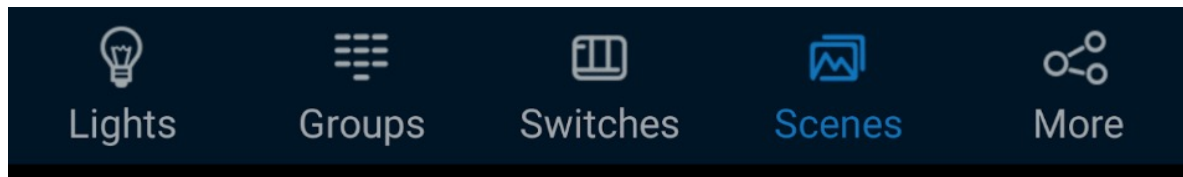


WCB-DC-025

5 Key Bluetooth switch/remote.



APP / Scenes



The **Scenes** tab displays all the scenes in the network. Users can create/manage scenes using this tab.

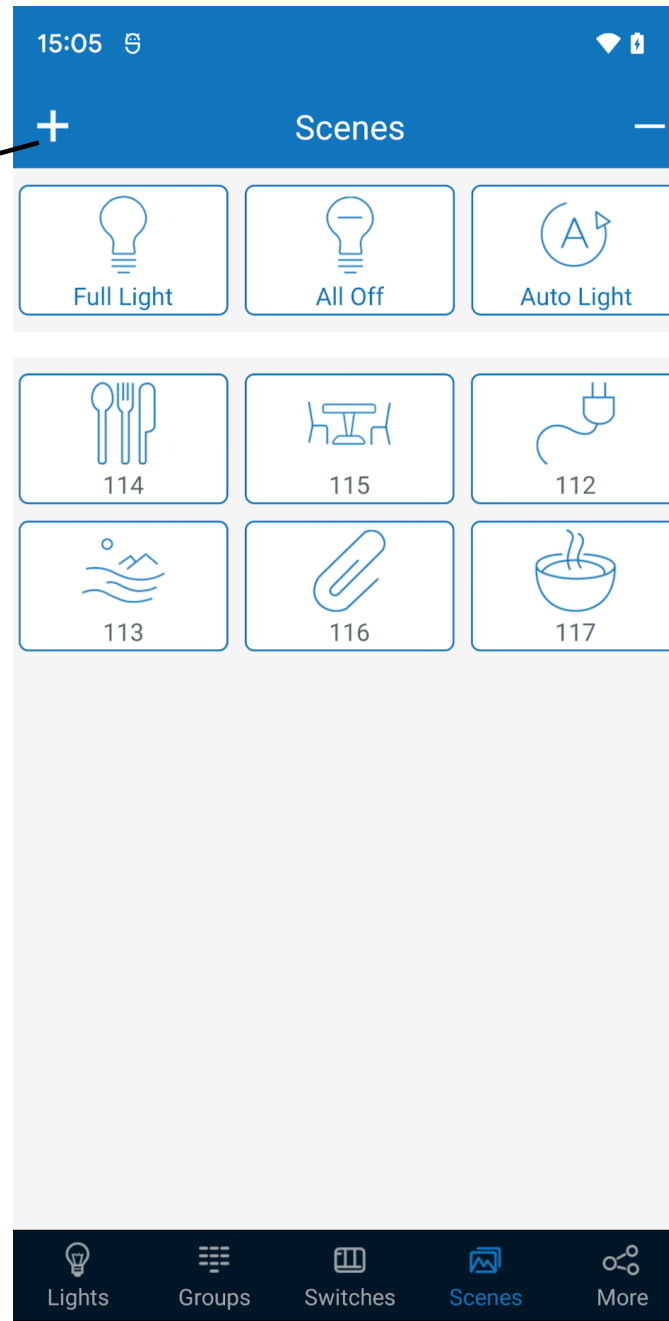
Scenes are used for one button controls options. They allow different lighting atmospheres to be created at the tap of a button.

This tab is ideal for customization and dynamic lighting settings.

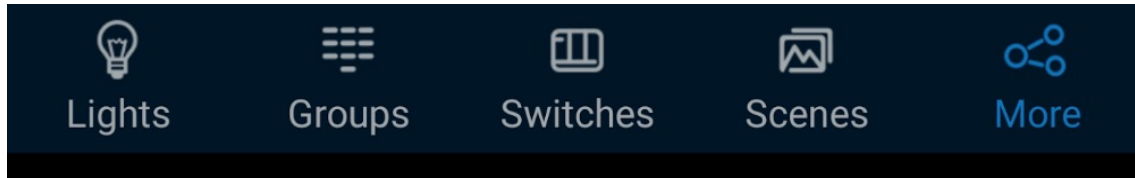


Create a scene – assign a unique icon, name, and assign specific lights and/or groups.

Selecting a scene will cause all lights/groups to change their settings to the applied scene.

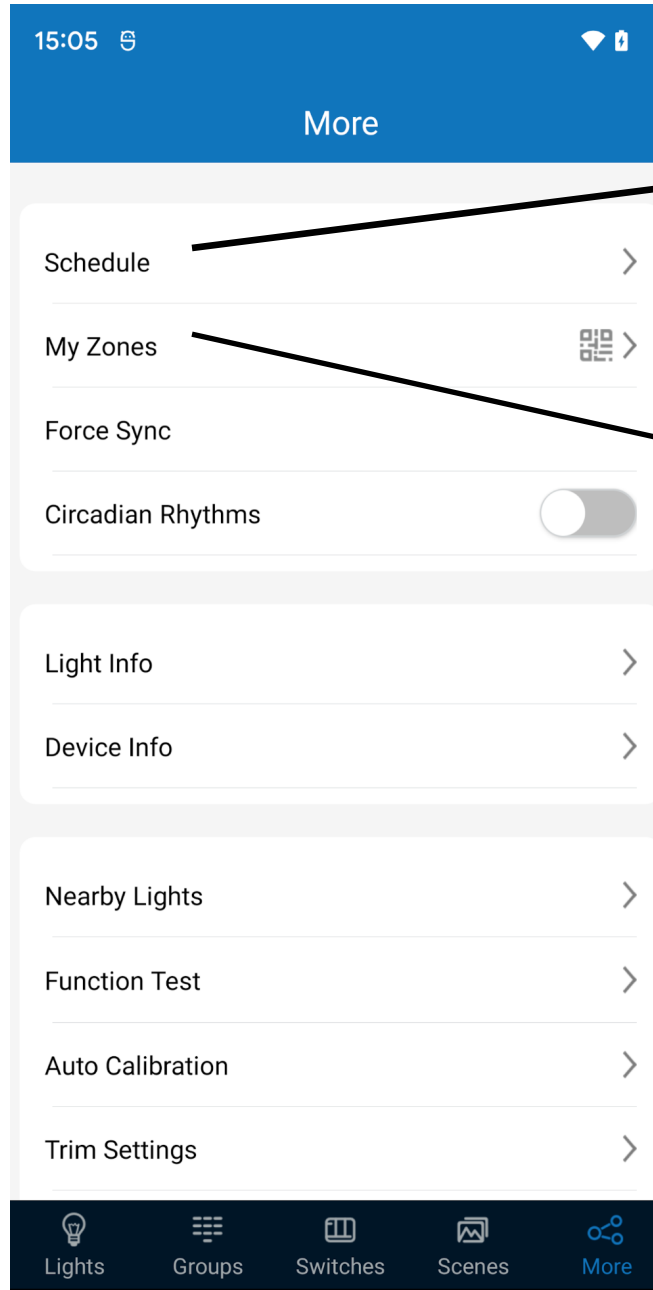


APP / More



The **More** tab displays all additional functions of the app – either settings that are rarely used or should only be accessed by qualified users.

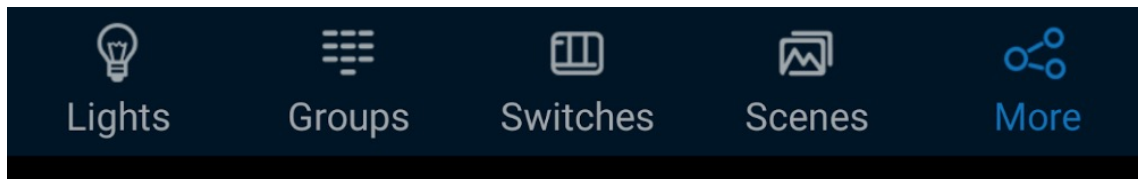
Useful for **Zone Settings**, Schedules, and security settings.



Manage schedules

Manage zones

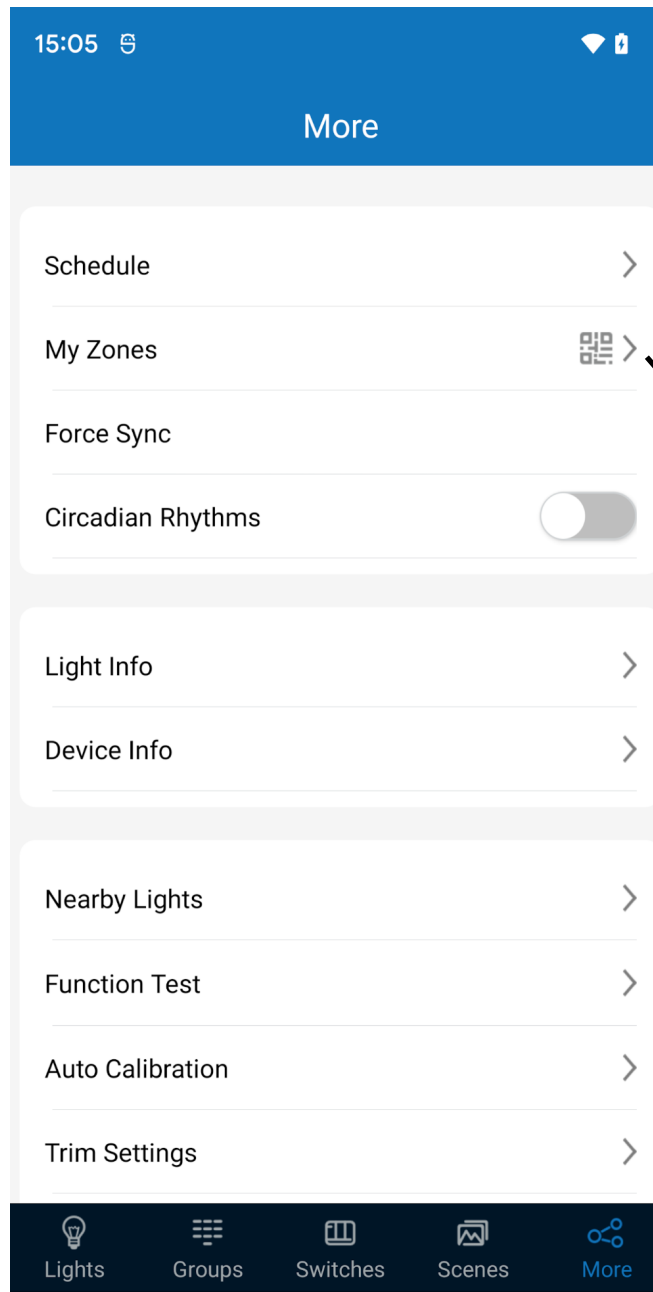
Assign who can control lights



Security Settings – Can anyone with the app control the lights?

No – After initial commissioning, users can be given controls access via scanning a unique QR code.

Think of this as a key – no lights can be controlled unless the user has the “key” that allows them to. Scanning the QR code functions like a key.



ZONE QR code – Each Zone generates a custom QR code that grants access controls to.

 **OSLG sync**™ Commercial Grade

NLC LISTING



DEVICES

APP

NLC LISTED

OPTIONAL LAYOUT DESIGN

OPTIONAL ON-SITE COMMISSIONING

NLC LISTED:

-Cyber Security

Network security and protection

-Energy Monitoring

Save settings and energy efficiency

-Emergency Lighting

Integrates with emergency lighting systems

-External Systems Integration

Alarm systems and additional external systems easily integrated

-Energy Rebates

NLC Listed systems earn additional rebates and abide by state regulations



NLC Listed/ Overview

Networked lighting is the gateway to energy-optimized cities. The **DLC** created the networked lighting controls program and Qualified Products List to help achieve real energy saving standards.



SLG Sync

Manufacturer: Spring Lighting Group, Inc.
Scope: Interior
Scale: Room or Zone, Structured Parking
Technical Requirements Version: 5

PRODUCT OVERVIEW

Manufacturer	Spring Lighting Group, Inc.
Product Website	View Website
QPL	Networked Lighting Controls
Listing Status	Listed
Date Qualified	2023-03-23
Technical Support Phone	(281) 201-2925
Standard Warranty Length	5

SUMMARY

- ✓ Networking
- ✗ Traffic Sensing
- ✓ High-End Trim
- ✓ Individual Luminaire Addressability
- ✓ Control Persistence
- ✓ Energy Monitoring
- ✓ User Interface
- ✓ Personal Control
- ✓ Plug Load Control
- ✓ Emergency Lighting
- ✓ Color Changing/Tuning
- ✓ Occupancy Sensing
- ✓ Daylight Harvesting
- ✓ Zoning
- ✓ Continuous Dimming
- ✓ Scheduling
- ✗ Remote Diagnostics
- ✓ Luminaire Level Lighting Control (LLLC)
- ✓ Load Shedding/Demand Response
- ✓ External Systems Integration
- ✓ Cybersecurity
- ✓ Scene Control

NETWORK [VIEW DETAILS](#)

INTEROPERABILITY [VIEW DETAILS](#)

ENERGY SAVING STRATEGIES [VIEW DETAILS](#)

CONTROL [VIEW DETAILS](#)

ADDITIONAL CAPABILITIES [VIEW DETAILS](#)

START-UP AND CONFIGURATION [VIEW DETAILS](#)

VERSION HISTORY [VIEW DETAILS](#)



NLC Listed/ Overview

34

unique lighting
controls
manufacturers
represented on the
NLC QPL

QUALIFY A SYSTEM →

SLG one of only 34 manufacturers that
are **NLC Listed**.

SLG Sync

Manufacturer: Spring Lighting Group, Inc.

Brand: SLG Lighting

Add to my list

Interior Scope: Room or Zone, Structured Parking

Technical Requirements Version: 5.0

NLC Listed/ Cyber Security



NLC Listed/ Cyber Security

Cybersecurity

Has Cybersecurity i Yes

Cybersecurity services met UL MCV 1376



SLG Sync meets a strict, high level of cybersecurity and is verified as **GOLD** by UL standards.

NLC Listed/ Energy Monitoring



NLC Listed/ Energy Monitoring

Energy Monitoring	
Has Energy Monitoring i	Yes
Energy monitoring method	Wattage LUT with manual data entry
Is optional hardware or software needed? i	Yes
Duration that aggregated energy data is available i	5 YEAR
Smallest spatial resolution of the data record i	Per luminaire
Loads included in a data point of the reported	Light engine/lamp, Driver/ballast, Sensors
Data record available	Regularly spaced timestamp, Luminaire % light output, NLC Manufacturer (Energy Report), NLC Product (Energy Report), Building type (e.g. warehouse, school, office...)
Data record .CSV and/or API i	.CSV
Supported data format standard	ANSI



Energy monitoring - Saves controls configurations.

NCB-DC-01

Simple USB plug-in accessory for energy monitoring. Mini-SD Card required.

**NLC Listed/ Emergency
Lighting**



NLC Listed/ Emergency Lighting

Emergency Lighting

Has Emergency Lighting  Yes

SLG SYNC integrates with emergency lighting systems with a simple controller installation.

When emergency lighting systems turn on, the **ZCB-AC-09** shuts off the **SLG Sync** controls system.




ZCB-AC-09

NLC Listed/ External Systems Integration



NLC Listed/ External Systems Integration

External Systems Integration	
Has External systems integration 	Yes
Communication Protocols Supported	RS485

SLG SYNC integrates with external systems utilizing an RS485 protocol.

A security system is a good example of an external system **SLG SYNC** integrates with.

NLC Listed/ Energy Rebates



Incentives: Since 2016 NLC-listed systems will pre-qualify for incentives and rebates from utilities across North America and gain access to the multi-billion dollar energy efficiency program market.



Aggressive Growth: The DLC is aggressively pushing for widespread adoption of control systems. NLC listed systems are becoming more and more of a HUGE cost saver thanks to rebates and State requirements.



In some cases (Chicago), up to a
\$1 per watt controlled.



Professional Support

LAYOUT DESIGN



DEVICES

APP

NLC LISTED

OPTIONAL **LAYOUT DESIGN**

OPTIONAL ON-SITE COMMISSIONING

Layout Design:

-Installation

Layout designs make for easy installation

-Devices

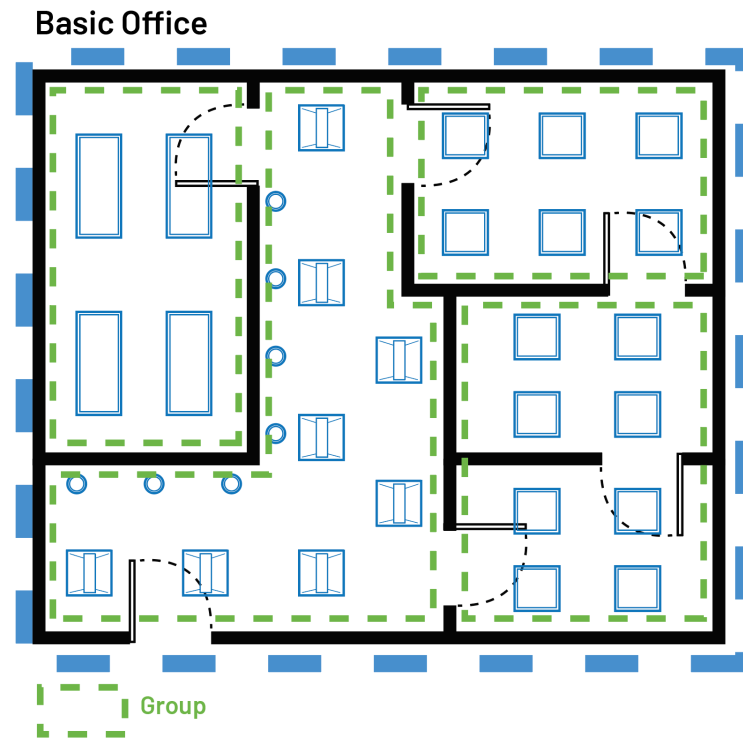
Know exactly which devices to order



Layout Design/ Professional Support

SLG SYNC will offer optional layout design help from an in-house qualified layout designer.

More information to come – reach out to your SLG rep for all the latest updates.





Professional Support

ONSITE COMMISSIONING



DEVICES

APP

NLC LISTED

OPTIONAL LAYOUT DESIGN

OPTIONAL **ON-SITE COMMISSIONING**

ON-SITE COMMISSIONING:

-Professional Help

Ensure your lighting controls are done right with the help of an on-staff SLG Sync controls professional

-Continued Support

We stay committed to support your customers even after commissioning



On-Site Commissioning/ Professional Support

SLG SYNC is a robust system offering an easy to use and supported commissioning app.

However we also understand that some projects demand a more hands-on approach.





On-Site Commissioning/ Professional Support

Our staff of professionals are available to be on the job site to make commissioning easy and stress-free.

Our dedicated customer support staff are on call ready to respond and answer any and all of your customer's questions, giving you the peace of mind that your customers are getting the **absolute best controls experience.**

ADDITIONAL INFORMATION





Additional Information



SLG SYNC is a powerful system and while recommended for small to medium projects – we have the capability to scale for hundreds for fixtures.

For large scale projects we'll have available special SaaS controls/commissioning and a dedicated support team that goes way beyond the stock system.

For large scale projects we treat these as very special and work with you on these on a personal level. Ensuring the upmost professional service available on the commercial-grade market.



Additional Information

SLG SYNC will offer additional products and support within the coming months so be aware that the capabilities are growing to cover every application.

This includes bridge capabilities and remote access.

Stay connect on LinkedIn and YouTube to stay at the forefront of all SLG Sync has to offer.



FOLLOW US RIGHT NOW TO STAY CONNECTED:

LinkedIn/SLG Lighting
YouTube/@SLGLighting



SLG[®]
LIGHTING



Your experience matters.