

# Fernhill Shopworks

presents:

Second Generation NLC Demo Boards



January, 2022

# 2<sup>nd</sup> Generation NLC Demo Boards

## What's New?

- 25% smaller / lighter
- Features connected receptacle
- Focus on space flexibility / wireless rezoning
- Streamlined graphics



# Pictured: Cooper WaveLinx

Images shown here are from a proto-type developed for the Northwest Energy Efficiency Alliance in 2021



wireless wall stations can be programmed and control the luminaires

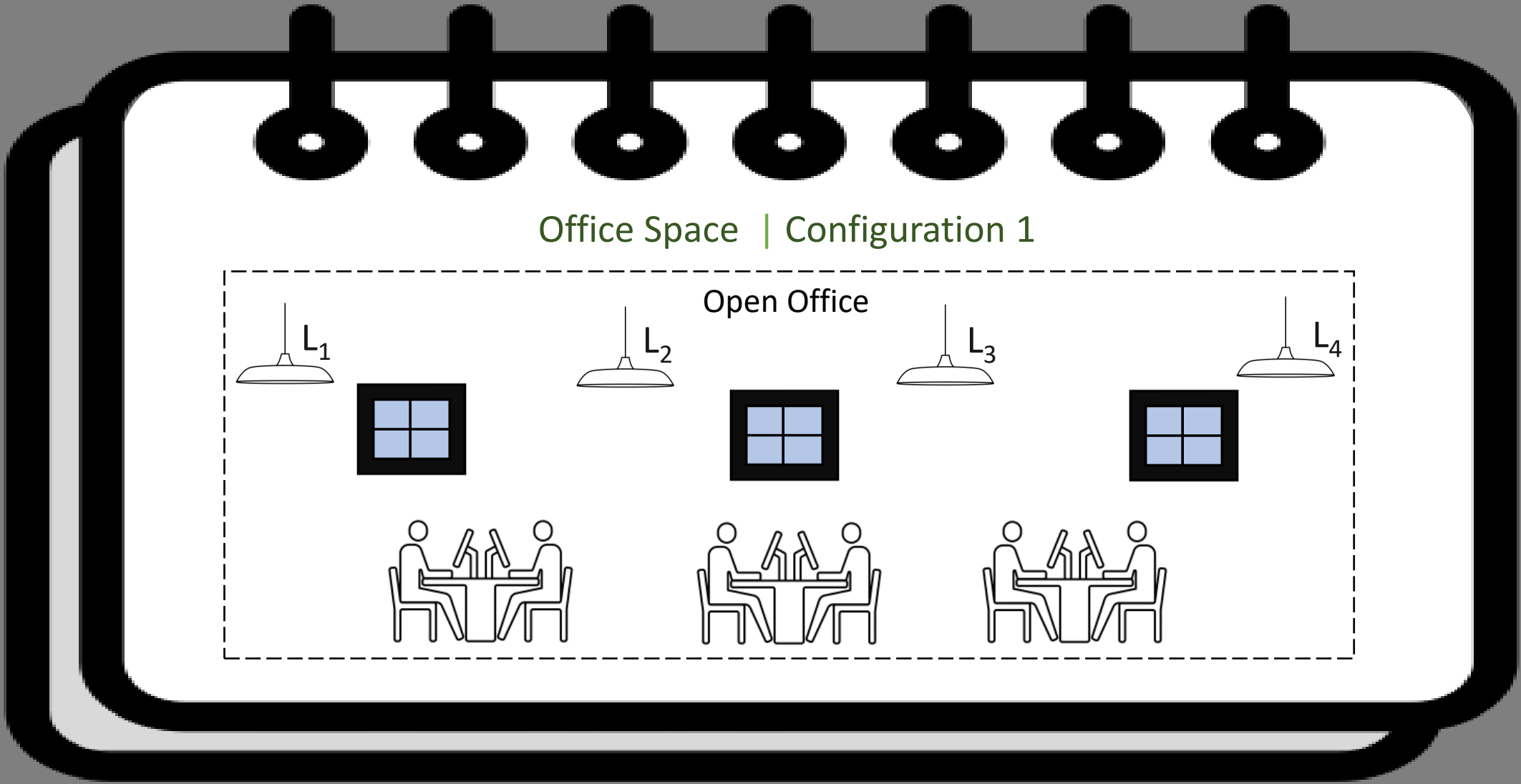
# Pictured: Lutron Vive

Images shown here are from a proto-type developed for the Northwest Energy Efficiency Alliance in 2021

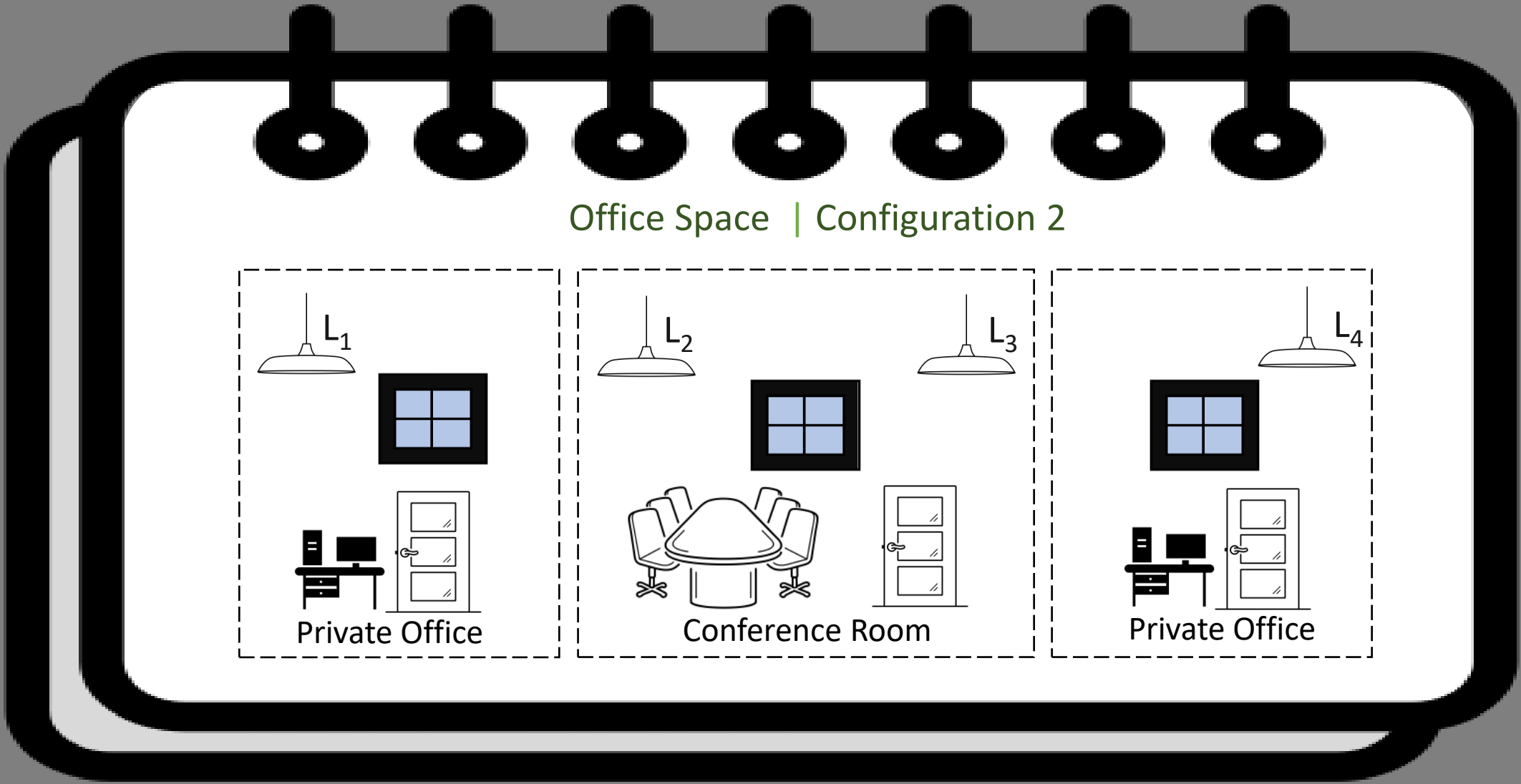


wireless wall stations can be programmed and control the luminaires

# Two examples to emphasize wireless rezoning / space flexibility

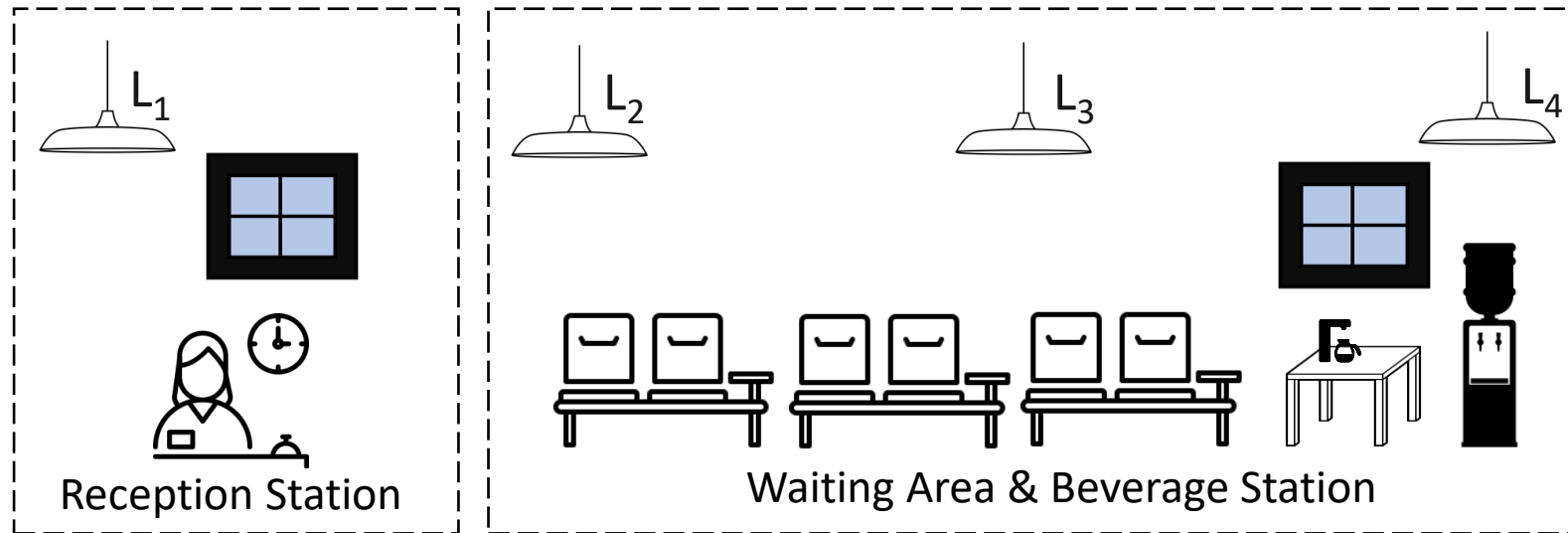


# Two examples to emphasize wireless rezoning / space flexibility



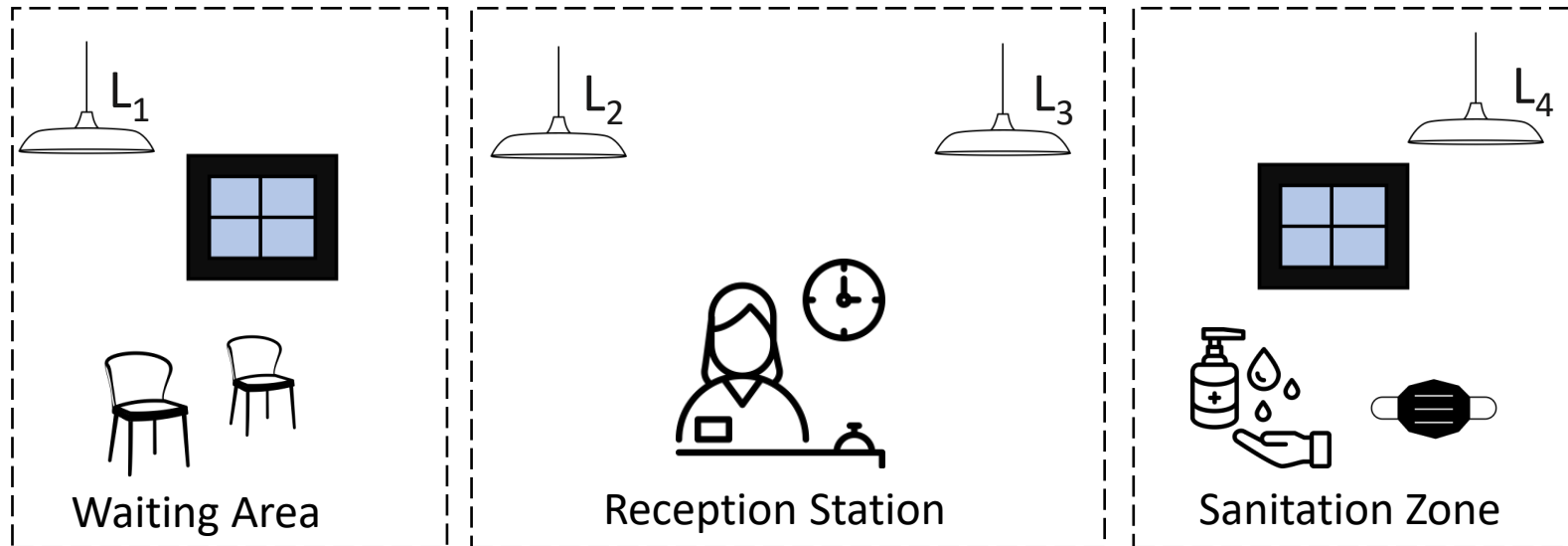
# Two examples to emphasize wireless rezoning / space flexibility

## Commercial Reception | Configuration 1



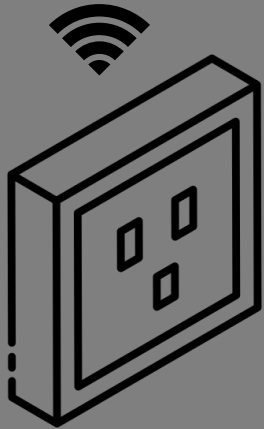
# Two examples to emphasize wireless rezoning / space flexibility

## Commercial Reception | Configuration 2





# Graphics That Reinforce Key Concepts



- Scheduling
- **Connected receptacle**
- Demand Response
- BACNET Integration
- Energy monitoring
- App-based configuration

## Sequence of Operations generic example

Feature	Setting
Scheduling	7 a.m. – 6 p.m. 8 p.m. – 10 p.m.
Auto On / Auto Off	Vacancy   15 minute timeouts
Daylight Harvesting	X2 zones
Demand Response	Enabled – 40% reduction

## One button scene control



conference  
room example

Scene	Setting
Full Lights	100%
Presentation	20%   40%
Reading	60%
Off	0%

# Graphics That Reinforce Key Concepts

## Easy to configure control strategies



### High-end Trim



**Set the light levels**

### Presence Detection



**Occupancy / vacancy**

### Daylight Harvesting



**Reduces luminaire output**

### Scheduling



**Safety & convenience**

## Why integrated controls?

• **Code compliance**



• **Labor Savings**



• **Simple operation**



• **Space flexibility**



# What is it?

## Hands-on resource for

- utility programs
- the lighting industry
- facility operators
- And more...



## Showcasing

- Modern NLC system benefits
- App based configuration tool ease of use
- lighting control strategies & key concepts

## The Formula

- 1) Showcase the technology in *bite-sized* pieces
- 2) Reinforce key concepts with effective graphics
- 3) Offer hands-on demo and live programming

## Who is it for?

Facility operators

Product specifiers

Capital project managers

Electrical contractors

## Where can it be used?


Utility training events


Trade shows

SEM workshops

As a sales aide

# Physical Dimensions & Weight


48" wide – open 

24" wide – closed 



17" tall 



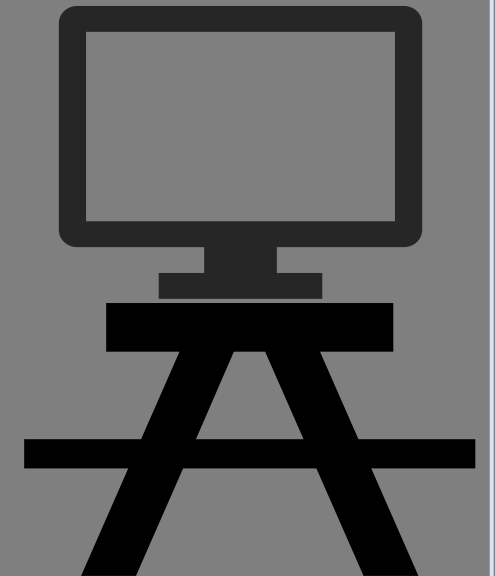
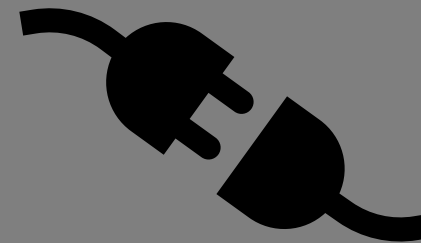
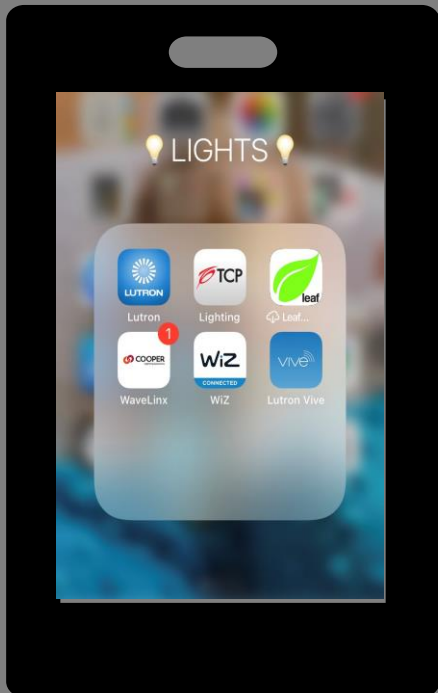
6 1/2" deep 

 Weight: 28 lbs

# What's Required?

- A. Smart devices (phone or tablet)
- B. Applicable NLC product app
- C. Source of power (120v)

- D. Table
- E. Smartphone to HDMI adapter  
(recommended for use with monitor / projector)
- F. A trained operator



# A Scalable Resource

## For short engagements

Pre-programmed for high-level overview & demonstration

- A. Bring concepts into focus
- B. Demo Functionality
- C. Participate in programming

## For longer engagements

- A. Start a project from scratch
- B. Walk through key steps outlined in existing curriculum
- C. Explore and discover nuanced features that matter to you

The goal is the same

*I see it*

*I get it*

*Let me take the wheel...*

Interested in Learning More?

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