



LEVERONE LIGHTS USER MANUAL

DESIGNED & DEVELOPED BY THE

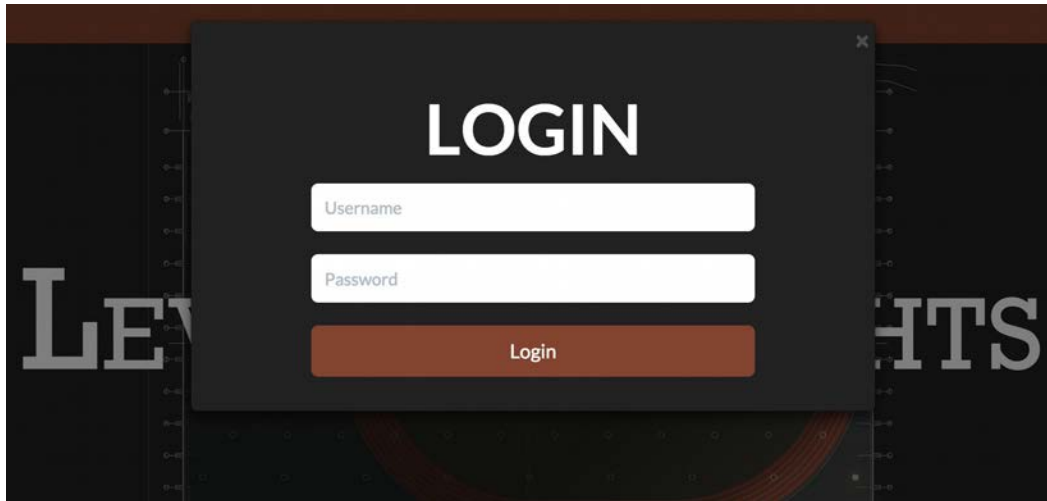
DALI
LAB

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Web Interface

Log-in/Log-out

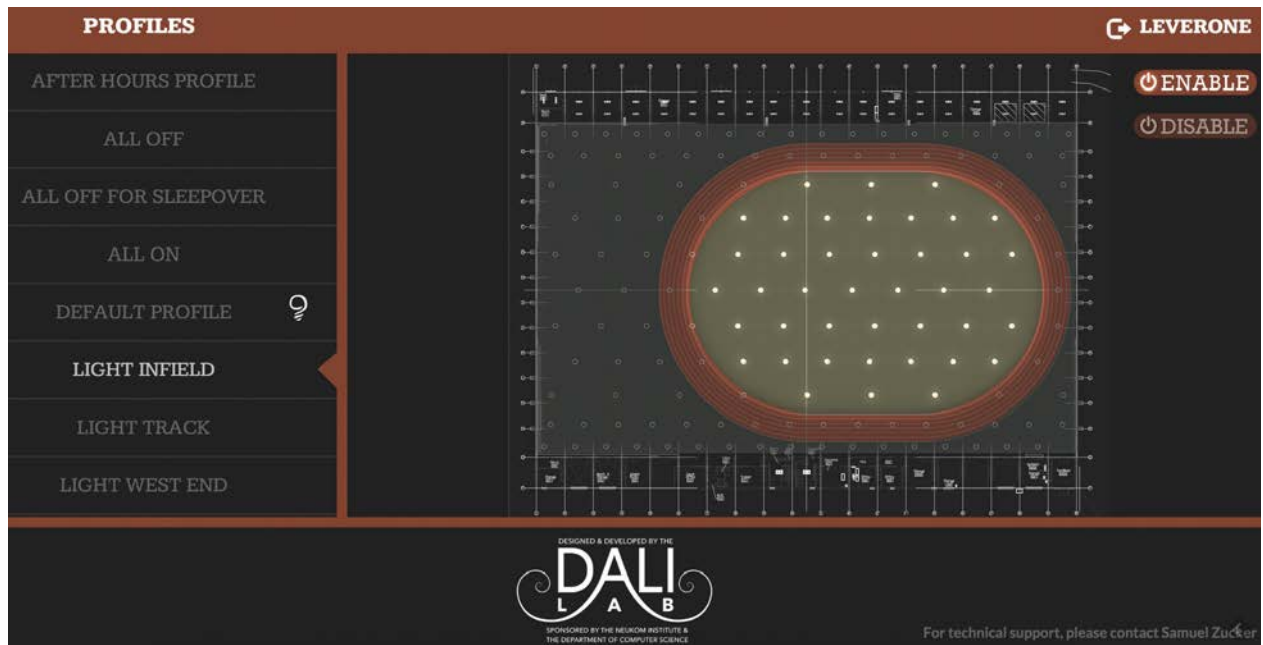
The app is hosted online through Parse and can be accessed at leverone.dali.dartmouth.com. To login and out of the app, tap the button at the top right. The following login modal will appear:



Once a user has entered their valid credentials, they will have access to their lighting profiles. The system automatically logs users out after 5 minutes if they forget to logout on their own. To manually log out, tap the button at the top right again, which has the user's name on it.

Profile Activation

Once logged in, a user can easily see previews of each of the light settings they have access to using the navigation menu at the left. A light bulb indicates which profile is currently on in the fieldhouse. A triangle shows which profile preview the user is currently viewing.



In the image above, for example, the user is looking at the Light Infield profile preview and the Default Profile is currently on in the fieldhouse. Most users will not have access to as many profiles as depicted above.

To turn on a particular light setting, simply press the “Enable” button at the top right. This overrides and clears out all other profiles currently on in the fieldhouse. Before pushing changes to the system, a dialog pops up to confirm that the user understands that they are turning a profile on.

All user activated light settings will expire in 60 minutes, after which the system will revert to default light setting. For special events that require longer light settings, the profile must be activated through Digital Lumens Light Rules web interface.

System Reset

The “Disable” button at the top right disables the current profile and resets the system to the motion-detection based default light setting. Before pushing changes to the system, a dialog pops up to confirm that the user understands that they are resetting the system.

User Management and Access Control

Add/Remove A User

User profiles and preferences are managed through Parse, a back-end as a service. The login credentials for the Leverone Lighting Parse account are as follows:

url: parse.com

email: lighting@dalil.dartmouth.edu


password: *****


All access control is managed in the Core section. To add or remove a new user, simply add or subtract a row in the Data spreadsheet shown below. Go directly to


this page via this link <https://www.parse.com/apps/leverone-lighting-interface/collections>.


Dev


Leverone Lighting ...





 3 users

 384 req. this month

 Analytics

 Core

 Push

 Quickstart

Leverone Lighting...

Core

Analytics

Push

Settings

Docs

Leverone Lighting

Data

User

3

+ Add Class

+ Import

Cloud Code

Jobs

Logs

Config

+ Row

- Row

+ Col

Security

More

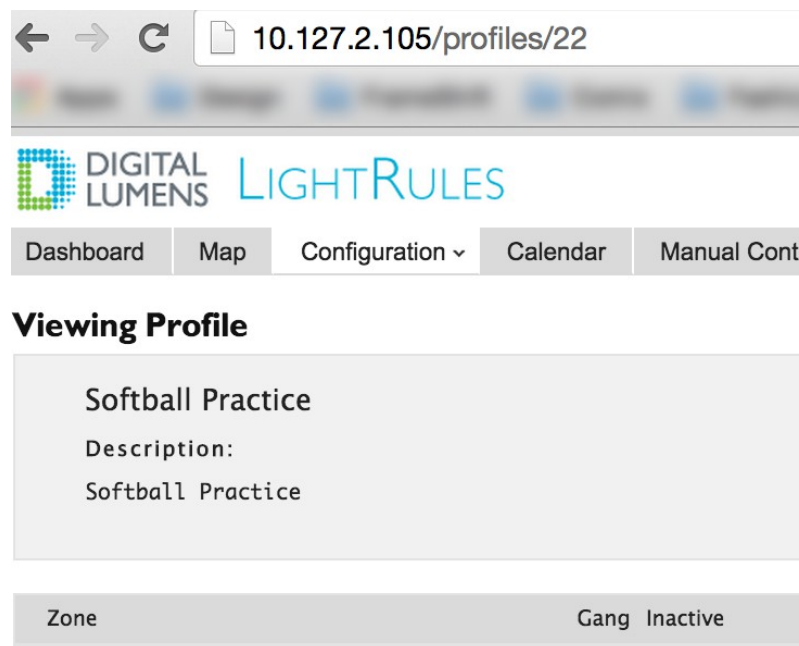
<input type="checkbox"/>	objectId	String	username	String	password	String	authData	authData	emailVerified	Boolean	email	String	createdAt	Date	upd
<input type="checkbox"/>	jEgnG7wk0W		lighting		(hidden)		(undefined)		(undefined)		(undefined)		Oct 18, 2014, 23:02		Nov
<input type="checkbox"/>	tTmQUHlmY5		test@gmail.com		(hidden)		(undefined)		(undefined)		(undefined)		Oct 10, 2014, 23:55		Oct
<input type="checkbox"/>	2vTYtVpJ7g		kelley		(hidden)		(undefined)		(undefined)		(undefined)		Oct 05, 2014, 04:22		Oct

Add/Remove Accessible Profiles For A User

Similar to adding new users, you can manage the profiles users have access to in the Data spreadsheet in the Core section of Parse. Simply enter the numbers of the profile in the accessibleProfileIDs column as shown here:

accessibleProfileIDs ...	displayname String	picture File
[1,2,3,4,5,6,7,8,9,10,11,...]	Leverone	(undefined)
[1,3,6,8,10,11]	Chuanqi	profile.jpg
[1,2,3,4,5,6,7,8,9,10,11,12]	Kelley Kong	(undefined)

The Profile IDs correspond to the profiles on the Digital Lumens LightRules system. To determine the profile ID of a profile, select a profile from Configuration->Profiles. Look at the number in the url for the profile. In the example below, the url indicates that the Softball Practice profile has the ID #22.



The screenshot shows a web browser window with the address bar displaying '10.127.2.105/profiles/22'. The page header includes the 'DIGITAL LUMENS LIGHTRULES' logo and a navigation menu with 'Dashboard', 'Map', 'Configuration', 'Calendar', and 'Manual Cont'. The main content area is titled 'Viewing Profile' and displays the profile name 'Softball Practice' and its description 'Softball Practice'. At the bottom, there is a table with two columns: 'Zone' and 'Gang', with the value 'Inactive' under the 'Gang' column.

Zone	Gang
	Inactive

Here are all the current Profile IDs as of 11/15/14

Profile Name	Profile ID
After hours profile	11
All Off	8
All Off Except Emergency	17
All Off for Sleepover	13
All On	6

Baseball Practice	21
Default Profile	1
Emergency	16
Lacrosse	23
Light Infield	3
Light Track	2
Light West End	10
Maintenance	9
Softball Practice	22
Track Infield	4
Track Practice	20

Profile Management

Add/Remove A Profile

There are currently 16 different profiles in the system. New lighting profiles can be created through the Digital Lumens LightRules system. However, these profiles will not have profile preview images. New profile preview images can be created in photoshop. The photoshop file with all the current preview images is here:

<https://drive.google.com/file/d/0B1v9N-IKSmVgMXIxMmctUTFXWIE/view?usp=sharing>.

Each profile preview image must be named with its appropriate profile ID e.g. the Softball Practice Preview image is named 22.png. For the preview image to display on the interface, it must be added into the image assets folder (see Development).

Development

This app was developed on a private github repository managed through the DALI lab: https://github.com/dali-lab/lighting_interface. To access and make any changes to this repository, contact the DALI lab staff at staff@dali.dartmouth.edu.

Tablet set-up

Kiosk Application

The kiosk logs in automatically to user: light and displays browser restricted to leverone site

To log out of KioWare (kiosk software) unlock by:

- 1) Touch: topleft, topright, bottomright, bottomleft
- 2) Enter code: ****

To modify KioWare kiosk settings:

- 1) Logout from "light" user
- 2) Login to: "lighting@dali.dartmouth.edu" user
password: *****
- 3) Navigate to Desktop
- 4) Click KioWare Settings