



LUMIFI HOSPITALITY SYSTEM

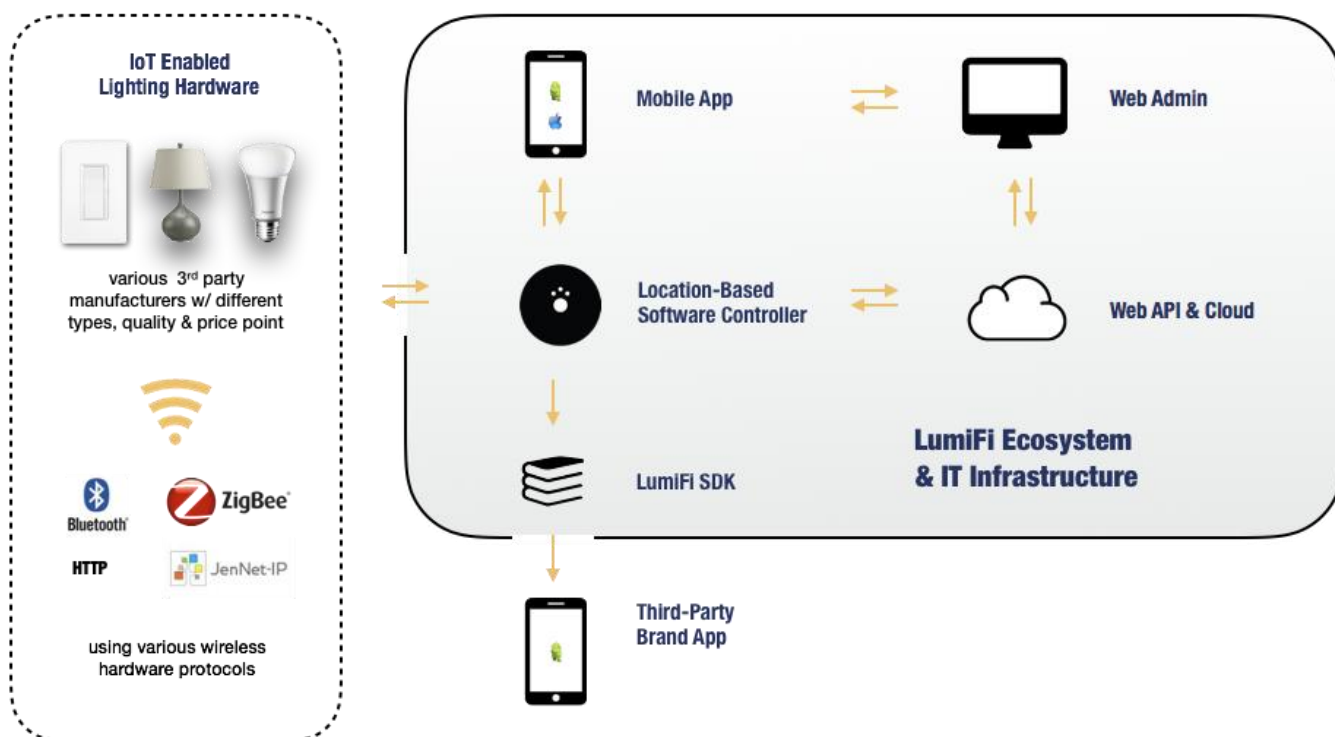
Wireless Lighting Control System (Enterprise-Level)

March 2017

LumiFi is a wireless smart lighting control management platform integrating established third party IoT-enabled lighting hardware manufacturers across multiple WiFi protocols into one seamless experience. LumiFi offers a complete ecosystem that allows property and hotel operators to wirelessly configure, control, manage, and optimize their lighting environments. LumiFi's wireless technology eliminates the need for costly wiring, resulting in lower construction and IT infrastructure costs—making it an obvious choice over a traditional wired system in a new or retrofit project. LumiFi's platform empowers users to transform the way they experience dynamic lighting with intuitive features and tailored light scenes.

THE LUMIFI SYSTEM

- | | |
|-------------------------------|---|
| 1. Mobile Apps (iOS, Android) | Award winning, Intuitive Interface to control light scenes and lights |
| 2. Web Management Platform | Central Project & Lighting Management Portal |
| 3. Location-Based Controller | Provides On-Site Profile & Lighting Control |
| 4. Cloud Hosting & Web API | Cloud Storage for Lighting Projects & Profile Settings |



LumiFi's Hospitality Software involves a separate app and control logic software. LumiFi's controller software lives on a third-party, off-the-shelf hardware whereas the app provides a simple user interface. LumiFi controller software executes the lighting commands and delivers them to wifi-enabled lighting hardware.



BASIC SOFTWARE FEATURES	FEATURE DESCRIPTION	CORRIDORS	ROOMS	CUSTOM ¹	
	Lighting Control				
	➤ Multi-Room	-	⊙	⊙	
	➤ Grouping	⊙	-	⊙	
	➤ Zoning / Circuits	unlimited	unlimited	unlimited	
	Light Scenes				
	➤ Default Light Scenes Selection out of 12 curated lighting designs	6 - 8	4 - 6	⊙	
	➤ Event & Special Occasion Light Scenes Selection out of 6 curated lighting designs	-	-	⊙	
	➤ Light Scene Management Comprehensive tool set in mobile and web	⊙	⊙	⊙	
	➤ Individualized/Personalized Individual light controls that can be personalized by user and their preferences saved	⊙	⊙	⊙	
➤ Individual Lighting Control	⊙	⊙	⊙		
➤ Centralized Project & Room Light Matrix Central light scene settings overview on web	⊙	⊙	⊙		
Scheduling					
➤ Schedule List Scheduling light scenes changes relative and absolute to time	⊙	-	⊙		
➤ 24/7 Schedule Manager Providing weekly automated light scene selections	⊙	-	⊙		
➤ Astrological Time Clock & Schedule Providing light scene selection based relative to local sunset and sunrise times	⊙	-	⊙		
➤ Sleep Timer Changing light scenes in absolute time intervals	-	⊙	⊙		
➤ Wake-Up Alarm Scheduling one-time light scene changes according to time of the day	-	⊙	⊙		
➤ Fading / Transitions Setting the transition time between light scenes	-	-	⊙		
User Access with Roles & Permissions					
➤ Profile Authentication Anonymous access via QR-Code scan	⊙	⊙	⊙		
➤ Guest Log-In Provide hotel guests access to basic pre-configured lighting controls in their room	-	⊙	⊙		
➤ Property Manager Role Allow editing of all light settings and schedules for the property	⊙	⊙	⊙		
➤ Technical IT Integrator Allow setup and editing of lighting, scheduling, and technical parameters as well as management of the deployment process	⊙	⊙	⊙		
➤ Customized Roles & Permissions	⊙	⊙	⊙		

¹ LumiFi customizes lighting for various spaces (hospitality, commercial, residential, and retail)




ADVANCED SOFTWARE FEATURES (WEB)	FEATURE DESCRIPTION (in beta)
	<p>➤ Monitoring & Status Updates Monitors the status of lights to ensure reliable and efficient system operations</p>
	<p>➤ Hardware Inventory Tracking & Reporting Monitors light status and sends alerts to property manager when lights go offline due to breakage, relocation, or theft</p>
	<p>➤ Energy Consumption Dashboard Monitors and displays wattage consumption to understand energy savings</p>
	<p>➤ User Activity Reporting Reports user lighting preferences over time</p>

SOFTWARE Add-On Modules	FEATURE DESCRIPTION
	<p>Branded App Interfaces LumiFi apps can be branded and white-labeled with client logos and custom screen interfaces</p>
	<p>SDK Integration Software can be integrated into other eco-system app (e.g. Brand Apps)</p>
	<p>Ecosystem Integration Customize integration with building management system, property management system, and voice control</p>
	<p>Customized Scenes Light scenes created based on client requirements and look (unlimited)</p>
	<p>Dynamic Scenes Light scenes transition dynamically and consistently over time and are tied to timed events</p>

DEPLOYMENT SOFTWARE TOOLS	Lighting Commissioning
	<p>➤ Android Enterprise Commissioning App (Controller Setup) Allows lighting setup and location mapping via a mobile app for LumiFi Admin or IT-Integrator log-in credentials</p>
	<p>➤ Commissioning Web Templates Allows for remote setup based on similar configuration types</p>
	<p>➤ Automated Light Scene Configuration Logic Patent-pending algorithm streamlines space-specific light scene configurations</p>



HARDWARE	SPECIFICATIONS	
	Communication Type	Wireless
	Supported Wireless Protocol Standards	ZigBee, Bluetooth, HTTP, JenNetIP
	Supported Light Types	 Dimming Dynamic White Colorchanging
	Supported Third-Party Lighting Hardware	Multiple LumiFi works with established lighting manufactures that incorporate wireless technologies. Third party hardware recommendation is dependent on project and client specifications.
	Supported Fixture Types	Multiple New types are regularly added: <ul style="list-style-type: none">. LED Retrofit Bulbs (A19, PAR, BR, GU10) w. base types E26/27, BR40 and E12 (candelabra), GU10 (2-pin), G24q (4-pin) w. bulb adapters. Downlights. LED Modules. LED Strip Lights
	Other Supported Hardware	Select Switches and Sensors
	Other Integrations & Collaborations	