Control Programming LLC

Release Notes

CPLLC UI Lights

Version 5.00 · November 8, 2026

Product	CPLLC UI Lights (Crestron Home extension)
Version	5.00
Release date	November 8, 2026
Where to find it	Drivers › UI Tiles › Control Programming LLC › UI Lights
Requires	Crestron Home OS 4.12 or later, with a Web API token (Setup › Installer Settings › System Control Options › Web API Settings)
Licensing	A UI Lights license key (cpllc.net/product/ui-lights) or a CPLLC site license key (cpllc.net/product/site-license), entered in the extension's Enter License Key, or a site license key once in the CPLLC License Manager

Overview

The CPLLC UI Lights is a Crestron Home tile that shows, at a glance, which rooms have lights on. It reads every room and lighting load from Crestron Home's own REST API, on the processor it runs on or on another one, and lists each room that has lights: the room's row is on while any of its lights is, and one touch turns all of the room's lights on or off. Each room's page lists its lights, each with its own on / off switch, with All On and All Off. Sequences turn a room's lights on or off by name, and each room raises an event when its lights go on or off.

Capabilities

Capability	What it does
Rooms from Crestron Home	Every room that has lights is listed by its Crestron Home name, in alphabetical order, with nothing to name in Setup. Whole House, and any room named in Rooms to Filter Out, is left out.
Room on / off from its row	A room's row is on while any of its lights is on. Touching it turns all of the room's lights full on, or all off.

Capability	What it does
A page per room	A room's "…" button opens its page: All On and All Off, then one switch per light, showing On, Off or Offline. The page's subtitle counts the lights on ("2 of 5 On").
This processor or another	The processor's address is on the first page of the settings: 127.0.0.1, the default, is the processor the extension runs on; another processor's address shows that one's lights.
Current and older processors	HTTPS on current processors (CP4-R V2, MC4-R, PC4-R, DIN-AP4-R), and HTTP on older ones (PYNG-HUB, CP3-R, CP4-R V1), chosen by itself.
Tile shows what is on	The tile counts the rooms with lights on ("3 of 12 On"), with the lights-on icon while any room has a light on and the lights-off icon when none does.
PIN code	A keypad must be cleared before the rooms are shown. The PIN can be changed from the keypad, and the rooms lock again after a set time without touches.
Sequence actions	Room On, Room Off and Room Toggle, each choosing the room by name; enable or disable the tile.
Events	"<room> Lights On" and "<room> Lights Off" for each room; enabled or disabled; PIN locked or unlocked.
Home and room screens	The tile can be shown in its room, on the Home screen, or both, or as a tile alone with no page.
Live changes	Installer options take effect as soon as OK is pressed in Setup, with no reload; debug output turns on and off while the processor runs.

What's New in 5.00

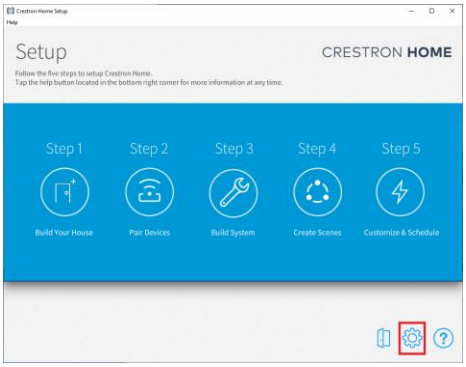
- Rebuilt for Crestron Home 4.x on the CPLLC 5.0 shared libraries, on the same relay list as the CPLLC WattBox and Irrigation tiles, so its page, actions and events work the same way across products.
- Works with current processors: the REST API is reached over HTTPS, as Crestron Home requires on the CP4-R V2, MC4-R, PC4-R and DIN-AP4-R, with HTTP kept for older processors.
- The processor's address and port are on the first page of the settings, as for every networked CPLLC driver, and start at 127.0.0.1, the processor the extension runs on.
- Each room's page has All On and All Off, and the page's subtitle counts the lights on.
- Room On, Room Off and Room Toggle sequences, and "<room> Lights On" / "<room> Lights Off" events.
- A light that can't be reached shows Offline.
- Polling Seconds (30 to 300; Cycle Seconds before) never reads the processor more often than every 30 seconds, and every touch reads the lights again at once.
- The extension logs in again by itself when Crestron Home ends its session, and logs out when it is removed or reloaded.

- The tile and its pages are built by the extension itself, with no separate UI definition files.
- Debug output can be turned on and off while the processor runs, without a restart.
- Its own license key, or a CPLLC site license key, licenses the extension by itself, so the CPLLC License Manager is no longer required; it is still the convenient place to enter a site license key once for every CPLLC driver.

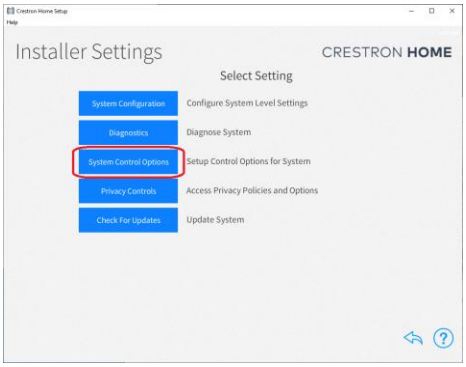
Installing

Version 5.00 is a new driver for Crestron Home 4.x: version 2.x was built on Crestron's original extension SDK. Remove a 2.x UI Lights from its room, then add 5.00 from Drivers › UI Tiles › Control Programming LLC › UI Lights (go back to Pair Devices' Device Types and open Drivers, not a manufacturer list) and enter its settings again. Its sequences and events are new: set up again any sequence that used the 2.x tile.

The extension reads the lights with a Web API token. In Crestron Home Setup, select the gear on the home screen, then System Control Options, then Web API Settings, and Update Token; copy the token into the extension's Web API Token. Enter the token of the processor whose lights the tile shows.



The gear opens Installer Settings



System Control Options holds Web API Settings

Installer Options

The first page holds the processor's address; the CPLLC options follow.

Option	Description
IP Address / Hostname	The processor whose lights are shown. 127.0.0.1 (the default) is the processor the extension runs on.
Port	443 (the default) for HTTPS, or 80. Another port is used only when the processor is reached through one.
Obtain License Key	Opens CPLLC.net, where license keys and site licenses can be purchased.
Enter License Key	The UI Lights license key. Leave blank when the site has a CPLLC site license.
Show on Home Screen	Shows the tile on the Home screen (default off).
Show in Room Screen	Shows the tile in its room (default on).

Option	Description
Starting Pin Code	A numeric PIN that must be entered before the rooms are shown. Blank means no PIN (the default). A new Starting Pin Code replaces a PIN changed from the keypad, so a forgotten PIN can be reset here.
Seconds Pin Active	How long the rooms stay unlocked after the last touch (default 10 seconds; 0 also means 10).
Only Display Tile	Shows the tile alone: touching it opens no page (default off).
Web API Token	The Web API token from Crestron Home Setup (Installer Settings › System Control Options › Web API Settings › Update Token) of the processor named on the first page. Required.
Rooms to Filter Out	Comma-separated names of rooms not to show, in any case (e.g. Garage, Pool House). Whole House is never shown.
Polling Seconds	Seconds between each read of the lights, 30 to 300 (default 60). A touch on the tile's page reads them at once.
Display IDs	Shows each room's and light's Crestron Home id after its name, e.g. "Kitchen (12)" (default off). For troubleshooting.

Sequences

The UI Lights tile adds these actions to Crestron Home sequences.

Action	Description
Room On	Turns all the lights of the room chosen by name (room) full on.
Room Off	Turns all the lights of the room chosen by name off.
Room Toggle	Turns the room's lights all off while any is on, otherwise all on.
Extension Enable / Extension Disable	Enables or disables the tile. A disabled tile shows Disabled and its rooms and lights can't be switched.

The UI Lights tile reports these events, under its name in Customize Actions & Events.

Event	Description
<room> Lights On	The first light in the room came on, from the tile, a sequence, a keypad or anything else that changed it.
<room> Lights Off	The last light on in the room went off.
Extension Enabled / Extension Disabled	The tile was enabled or disabled.
Pin Locked / Pin UnLocked	The PIN keypad locked again, or the right PIN was entered.

End-User Experience

The tile counts the rooms with any light on, as “n of m On”, with the lights-on icon while a room has a light on and the lights-off icon when none does. Touching the tile opens the Lights page: a row per room, in alphabetical order, on while any of its lights is. Touching a row turns all of the room’s lights on or off. The row’s “…” button opens the room’s page: the room’s name as its title, how many lights are on below it, All On and All Off, and a switch per light. A light that can’t be reached shows Offline.

Lights changed elsewhere (a keypad, a scene, the Crestron Home app) show on the tile at the next poll, at most Polling Seconds later. Changes made from the tile show at once.

Without a valid license key or a CPLLC site license, the tile runs for a two-hour grace period after it starts; then it shows License Expired with an alert icon, and the rooms do nothing. Entering a valid key, or adding a site license, clears it without a restart.

With a Starting Pin Code set, the tile and the page first show a keypad. A wrong PIN keeps the keypad; entering the PIN and pressing Enter shows the rooms. Change Pin opens a second keypad where a new PIN is entered, then kept with Save or dropped with Cancel. The keypad returns once Seconds Pin Active has passed with no touches.

Known Limitations

- Crestron Home’s REST API sends no change notices, so lights changed elsewhere show at the next poll (every 30 seconds at the fastest).
- On and off only: All On and a light’s switch set it full on; dim levels are shown as on but not set.
- Up to 50 rooms, and up to 50 lights on a room’s page.
- A room’s individual lights have no sequences or events of their own; the room’s do.
- The room sequences find a room by its name, so two rooms with the same name both run the first one.
- Rooms and lights are read when the settings are applied: a room or light added in Setup later shows after OK is pressed in the extension’s settings, or the extension is reloaded.
- Crestron publishes the REST API as current to Crestron Home 3.021; it is the same API in 4.x.
- Version 5.00 has not yet been tried on a processor in CPLLC’s lab. It follows Crestron’s published REST API; please report any problem to support.

Test Environment

Crestron Home 4.013.0134 on a DIN-AP4-R.

Version History

Date	Version	Changes
2026-11-08	5.00	• Rebuilt for Crestron Home 4.x on the CPLLC 5.0 shared libraries • HTTPS for current processors, HTTP kept for older ones • Processor address and port on the first page, 127.0.0.1 to start • All On / All Off on each room's page • Room On / Off / Toggle sequences; <room> Lights On / Off events • Offline lights shown • Polling Seconds, 30 to 300 • Logs in again by itself, logs out on removal • UI built by the extension; no UI definition files • Live debug on and off • License Manager no longer required
2023-04-04	2.00	Rooms and lights feedback for Crestron Home 3.x

Support

CPLLC Site License

A CPLLC site license is one key per processor, entered in the License Manager, that licenses every CPLLC extension and platform on that processor, current and future, so no product needs a key of its own. See the Site License page. Customers who already own CPLLC license keys can upgrade to a site license on the CPLLC website for the difference.

Company	Control Programming LLC
Contact	Randy Johnson
Email	randy@cpllc.net
Website	https://cpllc.net
Product page	https://cpllc.net/product/ui-lights/

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