Control Programming LLC

Release Notes

CPLLC Nanoleaf Platform

Version 5.00 · November 22, 2026

Product	CPLLC Nanoleaf Platform (Crestron Home platform)
Version	5.00
Release date	November 22, 2026
Where to find it	Drivers › Platform › Nanoleaf › Open API Lights
Requires	Crestron Home OS 4.12 or later, and Nanoleaf lights on the processor's network: Light Panels, Canvas, Shapes, Elements, Lines, 4D or Skylight, or the Matter Wi-Fi Essentials bulbs, light strips and string lights (firmware above 3.0.10)
Licensing	A Nanoleaf Platform license key (cpllc.net/product/nanoleaf-platform) or a CPLLC site license key (cpllc.net/product/site-license), entered in the platform's Enter License Key, or a site license key once in the CPLLC License Manager

Overview

The CPLLC Nanoleaf Platform brings Nanoleaf lights into Crestron Home: the light panels (Light Panels, Canvas, Shapes, Elements, Lines), the 4D screen light strip, Skylight, and the Matter Wi-Fi Essentials bulbs, light strips and string lights. It talks to each one on the local network through Nanoleaf's own Open API and adds it as a Crestron Home colour light with colour temperature, so it joins the room's Lights tile and can be part of Crestron Home lighting scenes. Each effect (scene) saved on a light is added as a button that runs it.

Nothing goes through a cloud: no Nanoleaf account is needed, and the lights keep working from Crestron Home when the internet is down. The Nanoleaf app is still where the lights are set up and their effects are made.

Capabilities

Capability	What it does
Finding the lights	Every Nanoleaf controller on the processor's network is found by itself. Ones on another subnet are added by their IP addresses.
Pairing	Each controller is paired once, by holding its power button for 5 to 7 seconds; no account or password. The platform keeps what the controller gives it, so the pairing survives a restart.
Colour lights	Each controller (a whole set of panels, or one bulb or strip) is added as one dimmable colour light with colour temperature: on, off, level, hue and saturation, or white over the light's own range (1200 K to 6500 K on most).
Lighting scenes	Each light joins the room's Lights tile and can be in the room's lighting scenes.
Effects	Each effect saved on a light is a button of its own: pressing it, from its tile or a sequence, runs that effect on the light. An effect saved later appears by itself.
Feedback	The light panels report their own changes, so one made in the Nanoleaf app, by voice or at the controller shows in Crestron Home at once. The Wi-Fi Essentials bulbs and strips are read every 30 seconds.
Lights off line	A light that stops answering shows as offline, and comes back by itself when it answers again.
Live changes	Debug output turns on and off while the processor runs.

What's New in 5.00

- First release.

Installing

Before installing, set each light up in the Nanoleaf app and connect it to the Wi-Fi network the processor is on. Give each controller a fixed address in the router if it may be added by address.

Add the platform from Drivers › Platform › Nanoleaf › Open API Lights. The CPLLC License Manager is not required. Enter the license key (or leave it blank on a site with a CPLLC site license), list the addresses of any controllers on another subnet, and save the options. The platform then finds the controllers and waits for each to be paired.

> **Pairing a Controller**
> Hold the controller's power button for 5 to 7 seconds, until its LED starts flashing, and let go. The controller then accepts a new connection for 30 seconds; the platform asks every 10 seconds while a controller is

> waiting, so it is paired within a few seconds, and its light and effects appear under the platform in Pair Devices. Skylight and the Wi-Fi Essentials bulbs and strips have no button for this: in the Nanoleaf app, open the device's settings and choose Connect to API. Pairing is done once per controller. A controller that is reset in the Nanoleaf app forgets it and is paired again the same way.

Installer Options

Option	Description
Obtain License Key	Opens CPLLC.net, where license keys and site licenses can be purchased.
Enter License Key	The Nanoleaf Platform license key. Leave blank when the site has a CPLLC site license.
Controller Addresses	Controllers the search can't find, such as ones on another subnet: their IP addresses, separated by commas. Leave blank when every controller is on the processor's network.

An address that isn't an IP address is reported when the options are saved. Once a controller is paired, its light and each of its effects are listed under Managed Platforms › the platform's name in Pair Devices, ready to be added to a room with its +. Add only the effects that are wanted in Crestron Home; the rest can stay unpaired.

Lights

Each controller is added as one Crestron Home colour light with colour temperature, named as it is in the Nanoleaf app. A set of panels is one light: setting a colour or a white from Crestron Home shows it on every panel and ends any effect that was running. Its level is the light's overall brightness, which dims a running effect too. A light turned off keeps its level; turned on from Crestron Home it comes back at that level in its last colour or white, so an effect is started again from its button. A light has no installer options of its own and no page; Crestron Home draws its controls.

A light uses Crestron Home's own light controls in sequences (on, off, level, colour and colour temperature, and lighting scenes); the platform adds no actions or events of its own for it.

Effects

Each effect saved on a controller is added as a button of its own, named for the light and the effect (for example Shapes 1A2B Northern Lights), apart from the light. Pressing its tile runs the effect, and the controller turns the light on to show it. An effect made in the Nanoleaf app later appears in Pair Devices by itself; one deleted there shows as offline.

Action / Event	Description
Button Press	Runs the effect on its light.
Button Pressed	The effect's tile was pressed.

End-User Experience

The platform has no tile of its own. Each light appears in its room's Lights tile, and in the lighting scenes it is part of; each effect that was added to a room appears there as a button.

Without a valid license key or a CPLLC site license, the lights and buttons run for a two-hour grace period after the platform starts; then they show License Expired and ignore their controls. Entering a valid key, or adding a site license, clears it without a restart.

Known Limitations

- Not yet tried on a Nanoleaf light: the platform was built from Nanoleaf's published Open API and tested against a stand-in that answers as that documentation describes.
- A set of panels is one light. The colours of single panels, the panel layout, touch gestures on the panels, and making or changing effects stay in the Nanoleaf app.
- Crestron Home shows the light's last colour while an effect runs; which effect is running is not shown.
- The Wi-Fi Essentials bulbs and strips report nothing by themselves, so a change made outside Crestron Home shows within 30 seconds rather than at once. Essentials models that use Thread or Bluetooth only, and Wi-Fi ones on firmware 3.0.10 or older, have no local API and are not found.
- On Crestron Home 4.12, a light that loses power keeps showing Online until the platform is reloaded, and a colour set in the Nanoleaf app does not show in Crestron Home. Both work from Crestron Home 4.13.
- Crestron Home's fade time is used for the level only, in whole seconds; a colour changes at the light's own speed.

Test Environment

Crestron Home 4.13 on a DIN-AP4-R, with a stand-in for a Nanoleaf Shapes controller that speaks Nanoleaf's published Open API. The platform paired with it, added its light and its effects, turned the light on and off, dimmed it, set a colour and a colour temperature, ran effects from their buttons, and followed changes the controller pushed.

Version History

Date	Version	Changes
2026-11-22	5.00	Initial release

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.

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Product page	https://cpllc.net/product/nanoleaf-platform/

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