



CROMOLUX™

Dynamic Lighting Gateway

Control low voltage Lucetta CI fixtures and seamlessly integrate with the most popular control systems. The gateway contains an on-board library of calibrated profiles that take full advantage of Lucetta CI dynamic linear solutions, streamlining setup and maximizing color rendering and mixing.



System Notes

- Each Control4 system can support up to 254 SDDP-equipped **CROMOLUX Dynamic Lighting Gateways**, each with its own IP address.
- Make sure the NOTIFY feature of the CROMOLUX gateway is set to AUTO.
- Each Control4 system must use a minimum of OS 3.3.0.

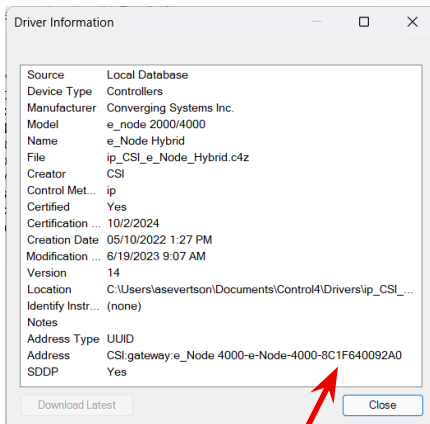
SECTION 1 – Add Gateway and Zone Drivers

Note that one Gateway Driver is needed for each physical **CROMOLUX Dynamic Lighting Gateway** in the system, and one Load Driver is needed for each dynamic lighting zone (Tunable White or RGBW+) in the project. If there are multiple CROMOLUX gateways in the system, it is advised to complete the following steps for one gateway then repeat the steps for each additional gateway. Determine the IP address of the **CROMOLUX Dynamic Lighting Gateway**.

- Within **Composer Pro**, go to the **System Design** view and select a room in which a CROMOLUX gateway shall be located, then within the **Items** window select the **Discovered** tab and look for a **Controller** by **Converging Systems** with model **e-Node-4000**.

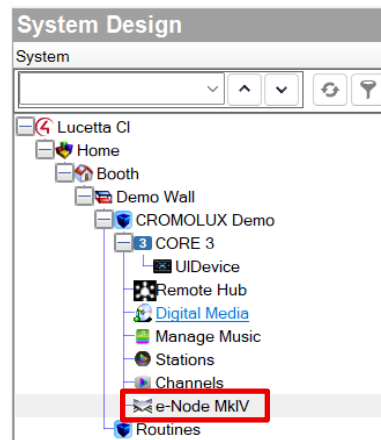
Items			
Locations	Discovered	My Drivers	Search
Type	Manufacturer	Model	Address
Controllers	Converging S...	e-Node-4000	E NODE 4000-E-N

- If there are multiple CROMOLUX gateways in the system, verify the MAC address by right clicking a discovered controller in the Items list, selecting Info, and scrolling down to the Address line. Compare the MAC address suffix to that found in the CROMOLUX gateway Ethernet settings (use a browser to open the GUI, select ETHERNET, and view the MAC address).

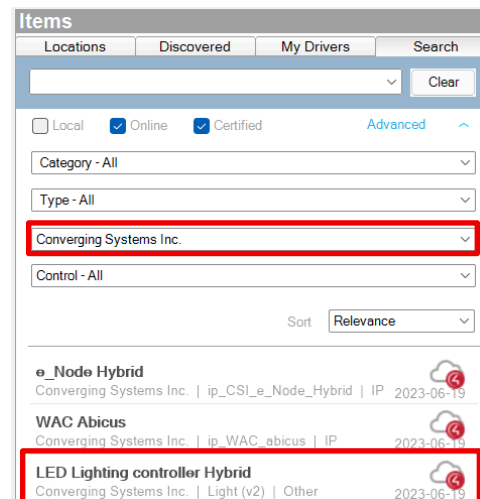


Properties	ETHERNET
IP_ADD	192.168.1.123
DHCP	DISABLE
STATIC_IP	192.168.1.123
NETMASK	255.255.255.0
GATEWAY_ADD	192.168.1.1
MAC_ADDRESS	8C:1F:64:00:92:A0

- Once the discovered gateway is identified, double-click the Controller in the **Discovered Items** list to import the driver into the project room (it will display as **e-Node MkIV**). This can be renamed **CROMOLUX** and given a number – the last octet of the IP address can be helpful if using a Static IP (ex. CROMOLUX 123).



- To import load zone drivers, go to the **Items** window and select the **Search** tab. Set the **Manufacturer** filter to **Converging Systems** and look for "**LED Lighting Controller Hybrid**" in the results. For each dynamic lighting zone, import one "**LED Lighting controller Hybrid**" driver into the project and name according to the project design requirements.



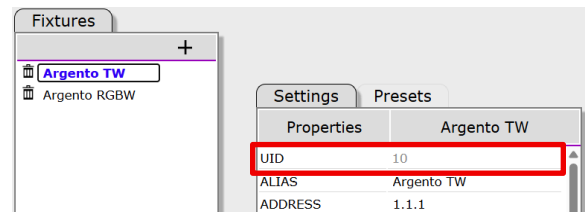
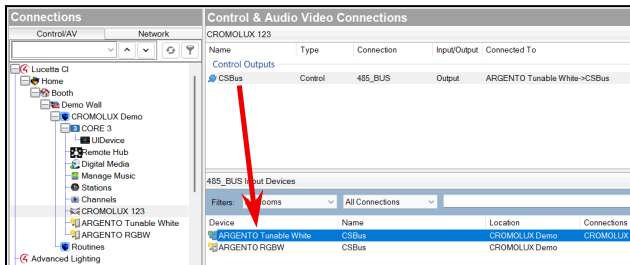
- After the gateway and all load zone drivers have been imported into the project, go to the **Connections** view and select the CROMOLUX gateway. Under **Control & Audio Video Connections**, select the **CSBus** control output and then click-and-drag the CSBus down onto each related load



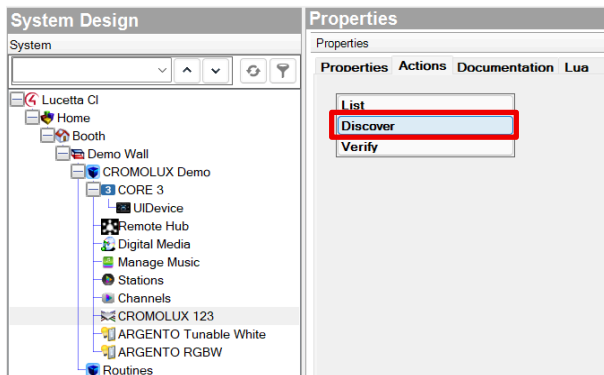
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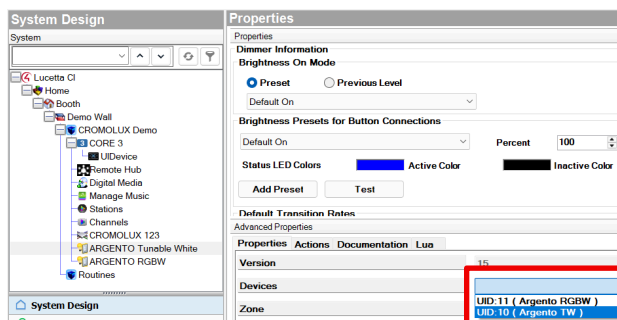
zone in the **485_BUS Input Devices** list at the bottom of the screen. An established connection will show the specific gateway→CSBus after each load zone, and a list of each load zone after the CSBus control output.



- With all gateway-to-load-zone connections made, go to the **System Design** view and select the CROMOLUX gateway in the tree, then the **Actions** tab within the **Properties** view. Click **Discover** to begin the import process. After 20 seconds, all configured load zones in the gateway will be imported into the project.



- Select a lighting load zone from the **System Design** tree, then in the **Properties** window, within the lower **Advanced Properties** section, select the **Devices** drop down list and select the matching UID then click the **Set** button to the right. The UID for load zones can be found within the CROMOLUX gateway browser GUI for each DMX load zone.





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8. By selecting the matching UID, the following details will be populated for the load zone (this information does not need to be modified and should be left per the assignment):
 - a. Zone.Group.Node (aka Floor.Room.Zone)
 - b. Supports Color
 - c. Supports CCT
 - d. CCT Min
 - e. CCT Max

SECTION 2 – Programming Notes

Using dynamic load types opens new possibilities with programming scenes in Composer Pro.

1. Within **Agents > Advanced Lighting > Scenes**, click the **Add** button to make a new scene.
2. Add the dynamic CROMOLUX lighting zone loads to the scene.
3. For each load, you can assign **Brightness and/or Color** and set the **Color / Temp** value.

Brightness and Color
 Brightness Only
 Color Only

4. RGBW+ loads will show modes of Color or Temperature, and Tunable White loads will only show Temperature options.

Color Mode: Color

Color Type: Color
Temperature

Temperature: 2700

5. There are two ways to set color – RGB or HSV (Hue, Saturation, value).

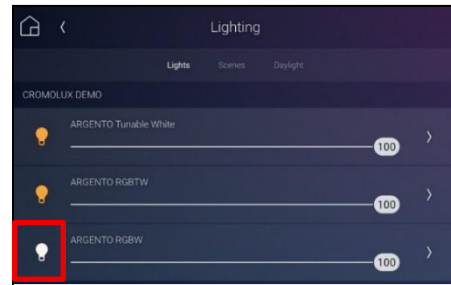
HSV
 RGB

SECTION 3 – Automated Circadian Feature

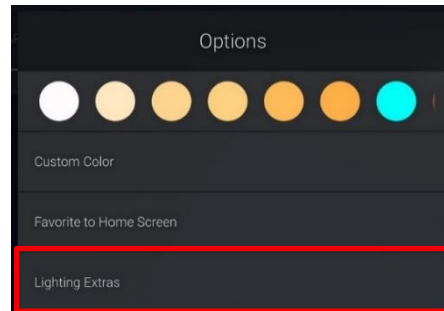
The CROMOLUX Dynamic Lighting Gateway is equipped with an automated Circadian feature that can add an element of real, natural lighting shifts throughout the day. This feature will automatically adjust CCT based on the designated geographic location of the gateway and the time of day.

Please refer to the general CROMOLUX Gateway setup guide for instructions to configure this feature. Once configured, the Control4 system can toggle the activation of this feature as outlined below.

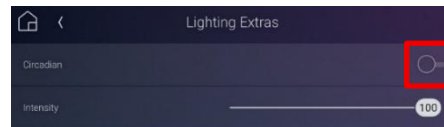
1. Using the mobile app or a Control4 touchscreen, navigate to any of the Lucetta CI dynamic lighting zone loads then press and hold the lamp icon.



2. From the **Options** pop-up, select **Lighting Extras**.



3. Within **Lighting Extras**, toggle on the Circadian feature. The respective dynamic lighting zone will then be activated.



4. If the lighting load zone CCT value or HSV color is changed, the Circadian feature will enter a pause state. The Circadian feature can be reactivated by the following methods that will resync the dynamic zones with the current Circadian value:
 - a. Turning the lighting load zone off then on again.
 - b. Repeating steps A thru C as noted above.