

Control4® Panelized Lighting: Planning Guide for Dealers

This guide will help Control4® Dealers plan and prepare for a Control4 Panelized Lighting installation. Make sure you go through the panelized lighting training, documentation, and videos to understand the installation and setup process before you start to work with your electrician. This includes how to generate reports in Composer and what the electrician needs to know to interpret the reports for a successful installation.

It is recommended, whenever possible, that the Control4 Dealer work with an electrician who is familiar with Control4 Panelized Lighting. This will typically result in smoother project planning, design and installation, and will streamline communications with decision makers and influencers such as the architect, interior designer, lighting designer, builder, and the client. In many cases, your preferred electrician may not be selected to work on a Control4 project; therefore, it is necessary to communicate with the assigned electrician before the installation begins to ensure successful planning and design of a Control4 Panelized Lighting system.



NOTE: This guide references the electrician as the main point of contact during planning, design and installation of a Control4 Panelized Lighting system. However, depending on the scope of project, other parties may need to be included in the communication: lighting designers, interior designers or project engineers.

The options below are recommended to facilitate collaboration with the electrician. For a visual guide, see the planning flowchart (Figure 1 on Page 4).

OPTION #1 (BEST)

Meet with the electrician PRIOR to lighting design and layout. If this is not possible, proceed to Option #2.

- 1 Inform the electrician of the client's desire to use centralized/panelized lighting.
- 2 Explain Control4 Panelized Lighting to them.
- 3 Provide them with a copy of the *Control4 Reference Guide for Electricians* (if necessary) for further explanations.
- 4 Proceed to "Client Walk-Through" (see below).

OPTION #2 (GOOD)


Meet with the electrician PRIOR to the lighting walk-through with the client. If this is not possible, proceed to Option #3.

- 1 Inform the electrician of the client's desire to use centralized/panelized lighting.
- 2 Explain Control4 Panelized Lighting to them.
- 3 Provide them with a copy of the *Control4 Reference Guide for Electricians* (if necessary) for further explanations.
- 4 Proceed to "Client Walk-Through" (see below).

OPTION #3 (ACCEPTABLE)

If the client walk-through has already occurred, meet with the electrician PRIOR to the electrical wiring rough-in.

- 1 Inform the electrician of the client's desire to use centralized/panelized lighting.
- 2 Explain Control4 Panelized Lighting to them.
- 3 Provide them with a copy of the *Control4 Reference Guide for Electricians* (if necessary) for further explanations.
- 4 Proceed to "Obtain the Load Schedule" (see below).

 **IMPORTANT!** If the electrical wiring installation has already begun, Control4 Panelized Lighting may not be possible without re-wiring electrical cables, resulting in change orders and extra expense.

Client Walk-Through

Accompany the electrician during the client walk-through to make recommendations appropriate for panelized lighting systems, for example, the best placement of enclosures and lighting modules, optimal locations for user interfaces (keypads or touch screens) and recommendations for local switches and dimmers installed in areas such as guest rooms, bathrooms, etc., where familiar switches and dimmers are ideal.

Obtain the Load Schedule

When the electrical/lighting layout has been completed, obtain a copy of the finalized load schedule from the electrician or lighting designer.

Create Panelized Lighting Project in Composer

Using the load schedule, create a Composer Pro project, add all of the panelized lighting devices to the appropriate rooms, and then enter all of the load information in the Light Properties agent pane.

Once completed, generate all panelized lighting reports from Composer Pro (Tools > Reports) and print them out for the electrician to use as a reference:

- 1 Panel Report
- 2 Module Report
- 3 Load Schedule

Present Reports to the Electrician

Present all reports and the *Control4 Reference Guide for Electricians* (if necessary) to the electrician PRIOR to rough-in of electrical wiring. Verify that the electrician understands the reports and the importance of wiring the loads exactly as defined in the reports.

Monitor Electrical Wiring and Pull Low-Voltage Cable

Observe installation of the electrical wiring through the rough-in period and stay in communication with the electrician to ensure proper installation. During the rough-in phase, you will also need to pull all low-voltage wiring to the keypad locations.

Electrical Connections to Modules

You should be available on site during connection and testing of all loads to the dimmer and switch modules in the panelized lighting enclosure. Verify that the electrical connections are installed according to the Load Schedule.

Testing of Loads/Fixtures

Ensure that all loads and fixtures are functional using the manual switches on each module prior to completing the panelized programming and keypad connections.

Keypad Installation and Final Programming

Terminate all low-voltage connections at the enclosure and keypads, finalize all Composer programming, and test for successful operation of the panelized lighting system.

Figure 1. Planning Flowchart

