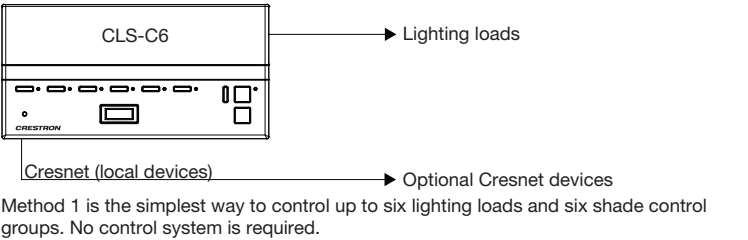




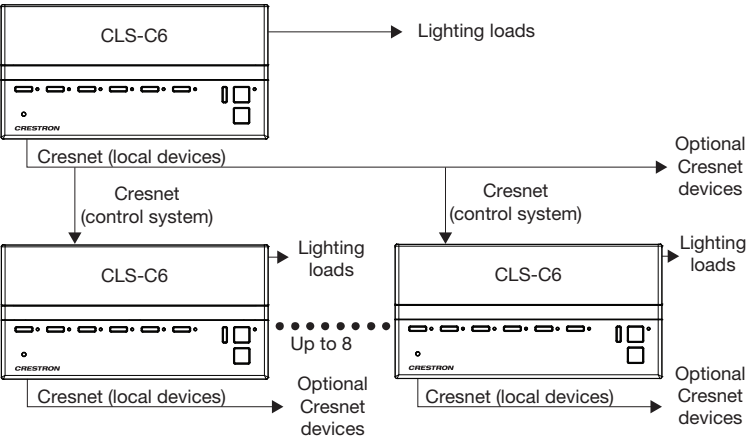
Installation Configurations

The following illustrations describe five installation configurations.

Method 1: A Stand-Alone CLS-C6 (Most Common Use)



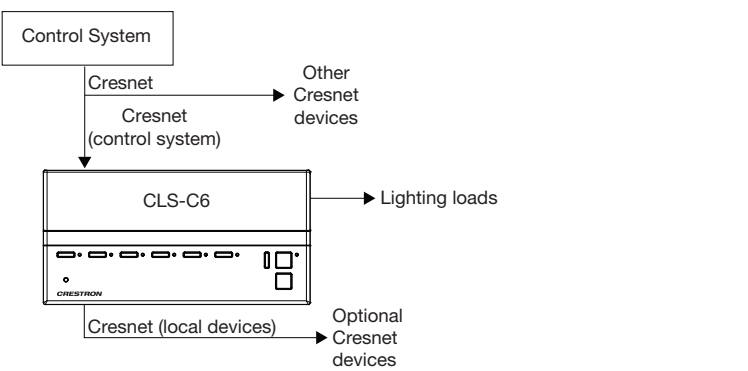
Method 2: A Primary CLS-C6 with Multiple Secondary CLS Units



Method 2 is used in a large room with more than six lighting loads and shade groups. No control system is required.

Scene recall and master dimmers affect the entire room. The user can still adjust each circuit individually. For details on room combining, refer to the CLS(I)-C6/C6M and CLS(I)-C6RF/C6MRF iLux Integrated Lighting System Reference Guide (Doc. 6347).

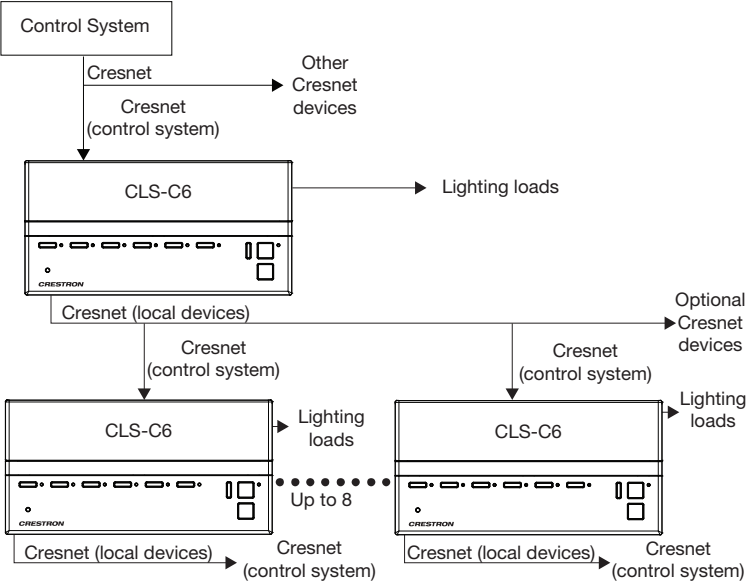
Method 3: A CLS-C6 with a Control System (Method 1 Variation)



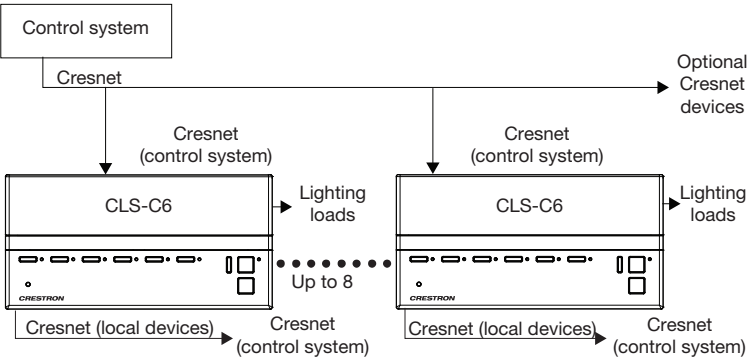
In Method 3, the control system can control and monitor operation of the lighting system and can trigger lighting scenes from touch screens, RF wireless remotes, computers, or real-time clock. Buttons on lighting system can control other functions.

The CLS-C6 still operates on its own if the control system is not running.

Method 4: A CLS-C6 in a Large Room with a 2-Series Control System (Method 3 Variation)



Method 5: A Control System with Multiple CLS-C6 Units on the Main Cresnet Network



In Method 5, the control system can monitor and control lighing in multiple independent rooms. The rooms can be combined and arranged under program control. This method includes all of the features of the other configurations.

Each individual CLS-C6 can operate on its own if the control system is not running.

Supported Devices

The following table lists devices and power requirements supported by CLS-C6 units.

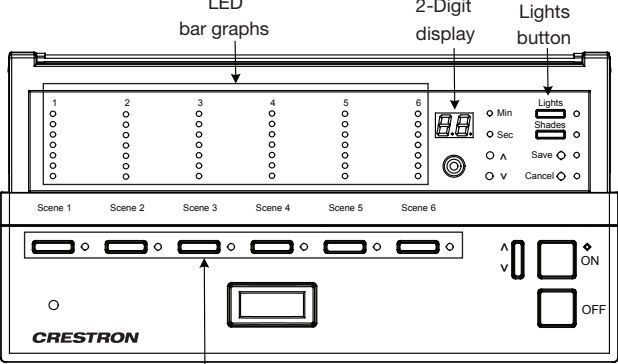
Supported Devices and Power Requirements

NAME	DESCRIPTION	CRESNET POWER FACTOR (W)		MAX QTY
C2N-DB6	6-Button Keypad	3 W		16
C2N-DB8	8-Button Keypad	3 W		16
C2N-DB12	12-Button Keypad	3 W		16
C2N-CBD/CBF (All Models)	Cameo® Keypad	0.5 W		16
C2NI-CB & INETI-CB	Cameo Keypad (International)	0.5 W		16
C2N-IO	Control Port Expansion Module	1 W		1
C2N-SDC	Shade and Drape Controller, 120 Vac	3 W		16
C2N-SDC-DC	Shade and Drape Controller, 24 Vdc	Up to 33 W		16
C2N-SSC-2	Somfy® Shade Controller	1 W		16
CNX-B2	2-Button Keypad	3 W		16
CNX-B4	4-Button Keypad	3 W		16
CNX-B6	6-Button Keypad	3 W		16
CNX-B8	8-Button Keypad	3 W		16
CNX-B12	12-Button Keypad	3 W		16
CSC-ACCN	Cresnet® Interface to Somfy® ST50 ILT2 Motor	N/A		16
CSC-DCCN	Cresnet® Interface to Crestron® CSM-QMT30 Shades	N/A		16
CSC-DRPCN	Drapery Track Interface	N/A		16
CSM-QMTDC-256-2-CN	Digital QMT® Shade Motor for 21 in Roller Shades and Larger, 2 Nm, Cresnet® Network	36 W		16
CSM-QMTDC-163-1-CN	Digital QMT® Shade Motor for QMT3 Series, Cresnet® Network	42.5 W		16
CSM-QMTDC-250-2-CN	Digital QMT® Shade Motor for QMT5 Series, 2 Nm, Cresnet® Network	36 W		16
CSM-QMTDC-250-4-CN	Digital QMT® Shade Motor for QMT5 Series, 4 Nm, Cresnet® Network	42.5 W		16
CSM-QMTDC-DRP-3-CN	Digital QMT® Drapery Motor for CSS-DRAPERY, Cresnet® Network	42.5 W		16
GLS-SIM	Sensor Integration Module	1 W plus attached sensor wattage	Partitions	36
			Occupancy Sensing	2
			BMS Integration	4
GLS-ODT & GLS-OIR Series	Occupancy Sensors	1 W		2
TPS-4L	3.6 in Wall-Mount Touch Screen	5 W		2
TPS-6L	5.7 in Wall-Mount Touch Screen	15 W		2

Testing

The following illustration shows the front panel of the CLS-C6 and the controls used during installation.

Front Panel Controls and Indicators



Function buttons

Verify the basic installation and wiring connections as follows:

- Press the **Lights** button to enable manual light control, and press the right side and the left side of each of the function buttons to increase and decrease the lighting level of those loads. Verify that the intended loads and corresponding LED bar graphs respond appropriately.
- Press the **OFF** button to turn off all loads. The loads ramp down to off while the two-digit display counts down to off (blank). Two seconds after all lights have turned off, the unit's master air-gap relay opens, making it safe to service the lighting installations.

Troubleshooting

The following table provides corrective actions for possible trouble situations. If further assistance is required, please contact a Crestron customer service representative. For details on setting load types and low-end limits, refer to the CLS(I)-C6/C6M and CLS(I)-C6RF/C6MRF iLux Integrated Lighting System Reference Guide (Doc. 6347).

CLS-C6 and CLS-C6M Installation Troubleshooting

TROUBLE	POSSIBLE CAUSE(S)	CORRECTIVE ACTION
The unit does not function.	The unit is not receiving line power.	Verify that the unit is properly connected to the power line and that the circuit breaker is closed.
The loads turn on and off but do not dim.	The loads are not connected.	Verify that the loads are operational and that they are connected to the iLux unit.
	The incorrect load type or load types are set.	Correct the load type settings.
The lights flicker at low levels.	The incorrect low-end limit is set.	Change the low-end limit setting.

These products are Listed to applicable UL® Standards and requirements by Underwriters Laboratories Inc.

Ces produits sont énumérés aux normes applicables et les exigences UL par Underwriters Laboratories Inc.



As of the date of manufacture, these devices have been tested and found to comply with specifications for CE marking.



Federal Communications Commission (FCC) Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**CAUTION:** Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Industry Canada (IC) Compliance Statement

CAN ICES-3(B)/NMB-3(B)

The product warranty can be found at [www.crestron.com/warranty](http://www.crestron.com/warranty).

The specific patents that cover Crestron products are listed at [patents.crestron.com](http://patents.crestron.com).

Certain Crestron products contain open source software. For specific information, please visit [www.crestron.com/opensource](http://www.crestron.com/opensource).

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**12.16**  
Specifications subject to change without notice.