

CLSI-C6RFW

iLux Integrated Lighting System w/infiNET - International Version, 230V, white

The iLux® CLSI-C6RF is a complete, integrated lighting system designed for wall-mount installation in boardrooms, auditoriums, home theaters, or anywhere versatile and cost-effective lighting and shade control is required. Combining the Crestron® reputation for innovation and reliability with high-quality integrated dimming, native shade control, and extensive customization and integration, the iLux is the ideal choice for all types of room lighting and shade control applications.

6 Channels of Dimming

The CLSI-C6RF features six channels of dimming for LED, incandescent, magnetic low-voltage, neon/cold cathode, and 2-wire dimmable fluorescent loads. On and off switching of many non-dimmable lighting loads is also possible. Each channel will handle up to 800 Watts individually, with a total rating of 1920 Watts. Larger loads and additional load types can also be supported using Crestron CLS-EXP Series expansion modules.

6 Groups of Shade Control

Using Crestron's networked Shade and Drape Controllers, the CLSI-C6RF enables versatile control of a roomful of motorized window treatments, screens and lifts in up to six shade groups.

Versatile Front Panel Controls

The deceptively clean front panel actually affords an extensive amount of



or standard 3/8" tape labels. Dimming levels and shade positions are displayed on six green LEDs with bar graph logic, accessible behind the flip-up front cover. Additional controls and a numeric display hidden beneath the cover enable setup without requiring a PC. Enhanced customization is provided via the PC programming port using iLux Designer software.

Multipoint Keypad Control

Up to 16 Crestron keypads may be connected to a single CLSI-C6RF, providing versatile multipoint control for rooms with multiple entrances or work areas.

Multi-Unit Expansion

One CLSI-C6RF master will support up to eight additional CLSI-C6 or CLSI-C6M units, enabling systems of up to 54 lighting zones and 54 shade groups. Commands for typical functions such as scene recall, scene off,

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wireless link to a 2-Series control system. A single **C2N-MNETGW** gateway connected to the control system enables 2-way wireless communications between the iLux system and the central control system, allowing

iLux's functions to be controlled from touchpanels, RF wireless remotes, and even computers. The control system interface also enables extensive flexibility for integration with other systems such as security, HVAC, and energy management. Several infiNET-based iLux systems can coexist on one infiNET wireless network along with other infiNET dimmers, switches, and thermostats. For a solution using a wired Cresnet® connection instead of infiNET, use the **CLSI-C6**.

SPECIFICATIONS

Load Ratings

Dimmer Channels: 6
Maximum Per Channel: 800 Watts/VA (3.5 Amps at 230 Volts AC), expandable via Expansion Modules (sold separately)
Minimum Per Channel: 25 Watts/VA (0.108 Amps at 230 Volts AC)
Module Total: 2200 Watts/VA (10 Amps at 220 Volts AC); 2300 Watts/VA (10 Amps at 230 Volts AC);
Dim Load Types: LED, incandescent, magnetic low-voltage, neon/cold cathode, 2-wire dimmable fluorescent ballast
Switch Load Types: Electronic low-voltage, 3- and 4-wire fluorescent, high-inrush switching;

Power Requirements

220 to 240 Volts AC, 50/60Hz, line power

LOAD1 - LOAD6: (6) Captive screw terminals, ^[1]
NEUTRAL: (1) Captive screw terminal, ^[1]
GROUND: (1) Captive screw terminal, ^[1]
PC (Front): (1) 3.5 mm TRS mini-phone jack, RS-232 programming port

Controls

Buttons 1 - 6: (6) 3-position rocker switches, configurable to recall individual scenes, to control shades, or for master lighting or shade control;
"Scene mastering" option enables manual dimming utilizing rocker button action, also used to adjust lighting levels when in "Lighting" mode and shade positions when in "Shades" mode;
Up/Down Button: (1) 3-position rocker switch, configurable for master lighting or shade control or as a "shift" for buttons 1-6;
ON: (1) Pushbutton, recalls "On" scene
OFF: (1) Pushbutton, turns all lights off
LIGHTS, SHADES: (2) Pushbuttons, select "Lights" or "Shades" modes
SAVE, CANCEL, ∧, ∨: (4) Pushbuttons, navigate and execute setup functions
Reset: (1) Recessed miniature pushbutton, executes hardware reset
Dimming Ramp Rate: 5 seconds (default), software adjustable 1 to 10 seconds
Scene Fade Time: 2 seconds (default), software adjustable 0 seconds to 99 minutes

LED Indicators

Scenes: (6) White LEDs, one per each "Scene" Button

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Numeric Display: (2) 8-segment digits, indicate modes and setup values

IR Receiver

Reception Frequency: 36 kHz

Requires [CLS-IRHT8](#)

RF Wireless

RF Transceiver: 2-way RF, 2.4 GHz ISM Channels 11-26 (2400 to 2483.5

MHz), IEEE 802.15.4 compliant

Range (Typical): 150 feet indoor, 250 feet outdoor;

Subject to site-specific conditions;

Range is increased by adding additional devices or [C2NI-MNETRPT](#)

Gateway: Requires a [C2N-MNETGW](#)

Environmental

Temperature: 32° to 104° F (0° to 40° C)

Humidity: 10% to 90% RH (non-condensing)

Enclosure

Mounts in a 4-gang electrical box, 3-1/2" deep minimum

Dimensions

Height: 4.48 in (114 mm)

Width: 8.89 in (226 mm)

Depth: 2.47 in (63 mm)

Weight

1.43 lb (0.65 kg)

ACCESSORIES

CLS-EXP-DIM:

CLS-EXP-DIMFDB:

CLS-EXP-DIMFLV:

CLS-EXP-DIMU:

C2N-SDC-DC:

C2N-MNETGW:

C2N-CBD-E-A-S:

C2N-CBD-P-A-S:

C2N-CBF-P-A-T:

C2N-DB12-A-S:

CLS-IRHT8:

CRESNET-HP-NP-TL-SP1000:

CRESNET-NP-BK-B500:

CRESNET-P-BK-SP500:

CRESNET-HP-NP-TL-SP500:

CRESNET-NP-OR-B500:

CRESNET-NP-TL-B250:

CRESNET-NP-TL-B500:

CRESNET-NP-TL-SP1000:

CRESNET-NP-TL-SP500:

CRESNET-P-OR-SP500:

CRESNET-P-TL-SP1000:

CRESNET-P-TL-SP500:

CNX-B8-A-T:

CNX-B6-A-T:

CNX-B4-A-T:

CNX-B2-A-T:

CNX-B12-A-T:

CNX-B12-W-T:

CNX-B8-W-T:

CNX-B6-W-T:

CNX-B4-W-T:

CNX-B2-W-T:

CNX-B2-DSK-T:

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CNX-B4-DSK-T:

CNX-B6-DSK-T:

CNX-B8-DSK-T:

CNX-B12-DSK-T:

CNX-B12-LAT-T:

CNX-B2-LAT-T:

CNX-B4-LAT-T:

CNX-B6-LAT-T:

CNX-B8-LAT-T:

C2N-CBD-E-B-S:

C2N-CBD-E-W-S:

C2N-CBD-P-A-T:

C2N-CBD-P-B-T:

C2N-CBD-P-B-S:

C2N-CBD-P-BRN-S:

C2N-CBD-P-DA-S:

C2N-CBD-P-DSK-T:

C2N-CBD-P-GRY-S:

C2N-CBD-P-IVR-S:

C2N-CBD-P-LAT-T:

C2N-CBD-P-W-T:

C2N-CBD-P-W-S:

C2N-CBF-P-B-T:

C2N-CBF-P-DSK-T:

C2N-CBF-P-LAT-T:

C2N-CBF-P-W-T:

C2N-DB12-W-S:

C2N-DB8-A-S:

C2N-DB8-W-S:

C2N-DB6-W-S:

C2N-DB6-A-S:

Notes:

1. Captive screw terminals accept up to two 22 to 12 AWG (0.34 to 4.0 mm²) wires per terminal.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com.

[com/salesreps](http://www.crestron.com/salesreps) or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: patents.crestron.com.

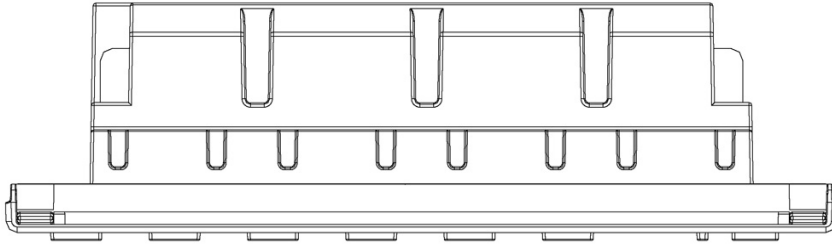
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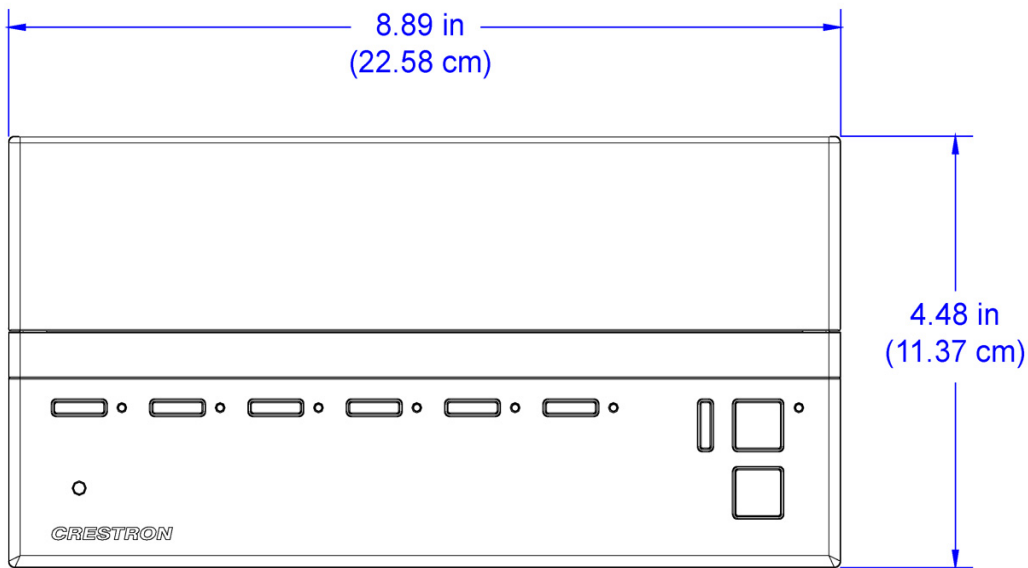
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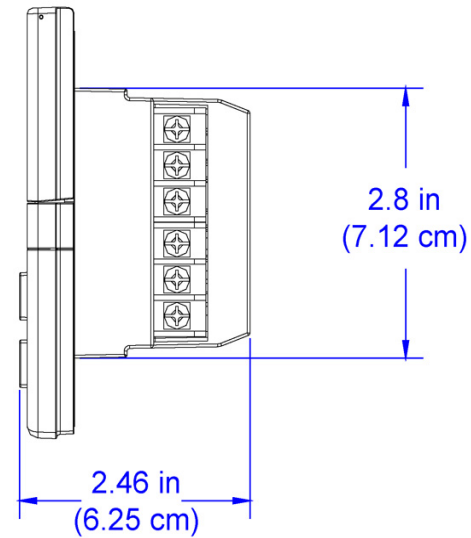
Top



Front



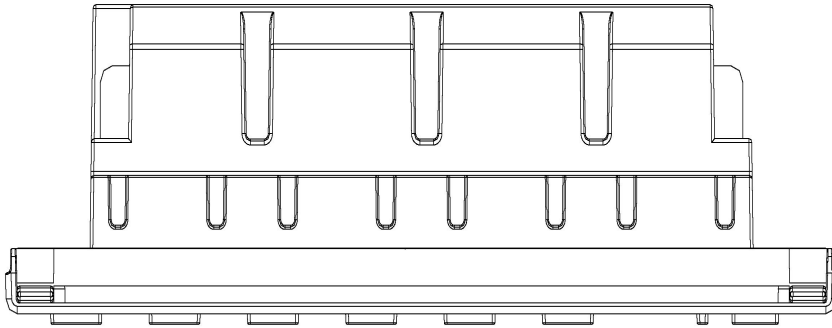
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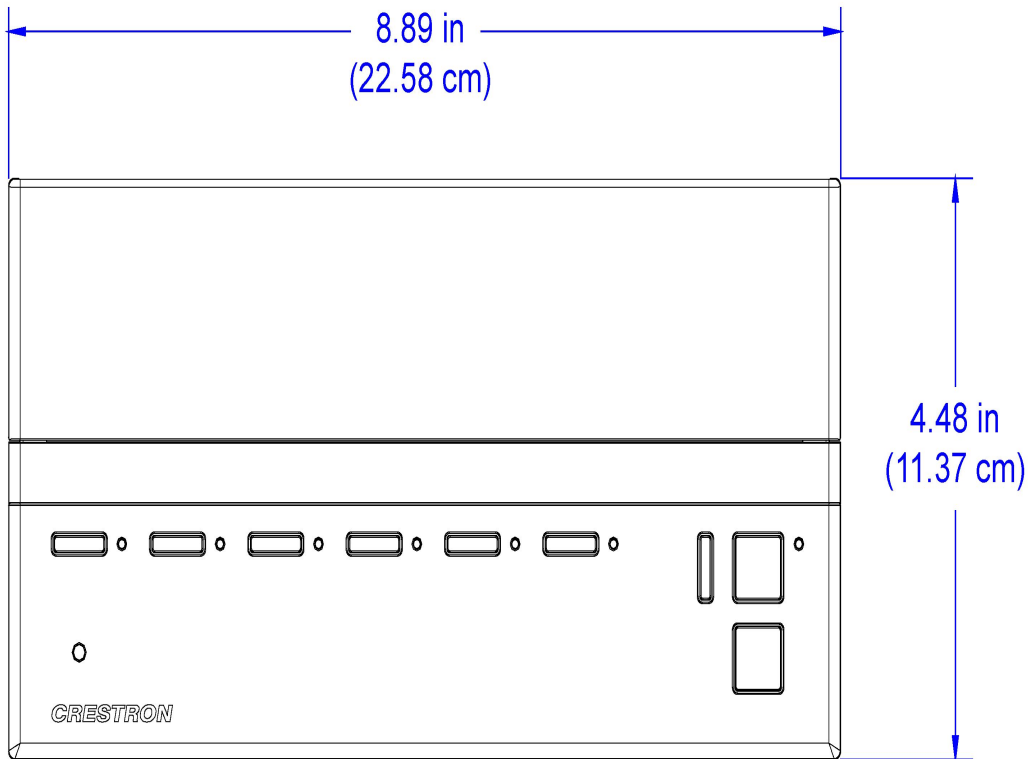
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Top



Front



Side

