GLCAEN-FT System

CRESTRON
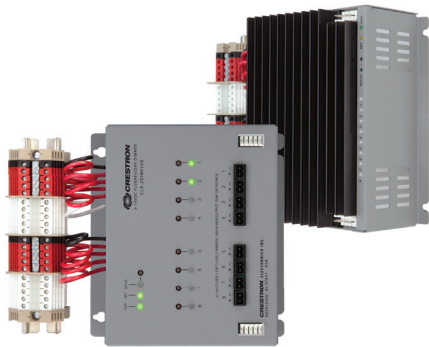
The GLCAEN-FT SpaceBuilder system is ideal for spaces where distributed or wireless controls are not appropriate. GLCAEN-FT is great for spaces that do not have accessible ceilings such as auditoriums, warehouses, sports venues, large parking structures. With many options the GLCAEN-FT feed through solution supports all analog dimming loads.

GLCAEN-FT is a quickly configured and shipped feed through panel solution. Combine with the GLPANEL finish kit for a complete turn-key centralized lighting control solution.

Modules

Switched

Fully rated 16 amp switched loads are supported with the SW4 option. 120 VAC only.

2-Wire Forward Phase Dimmed

4 Amp forward phase dimmed loads are supported with the DIM8 option. 120 VAC only.

2-Wire Universal Phase Dimmed

4 Amp forward or reverse phase dimmed loads are supported with the DIMU8 option.

4-Wire 0-10v Dimmed

Fully rated 16 Amp switched or 0-10v loads are supported with the LV8 option

Processor

The PROC option adds a 3-Series processor to allow for an autonomous lighting control system with astronomical time clock.

Ethernet Uplink

The EN option allows for the panel to uplinked to a control system via Ethernet.

Options

Assembly

GLCAEN-FT systems can be factory assembled in Crestron's UL508 panel shop, or they can be shipped as empty cabinets and loose modules.

Voltage

120 or 277 VAC feed through styles are available.

Networking

GLCAEN-FT systems have the option to be Ethernet or Cresnet connected for easy scalablity.

GLCAEN-FT-_____-_____SW4-_____LV8-_____DIMU8-_____DIM8-_____

Date:_____   Project:_____

Quantity:_____   Space Name:_____
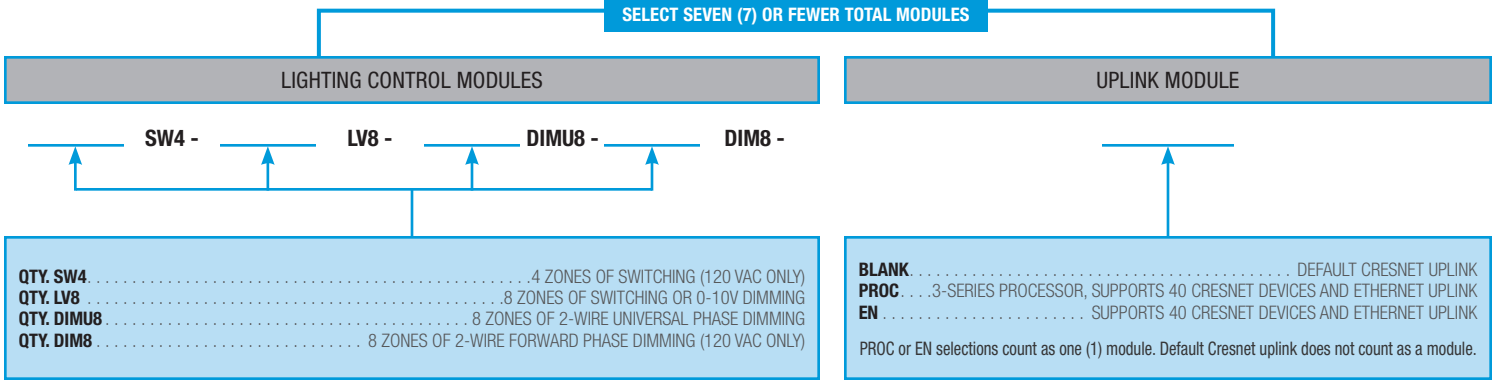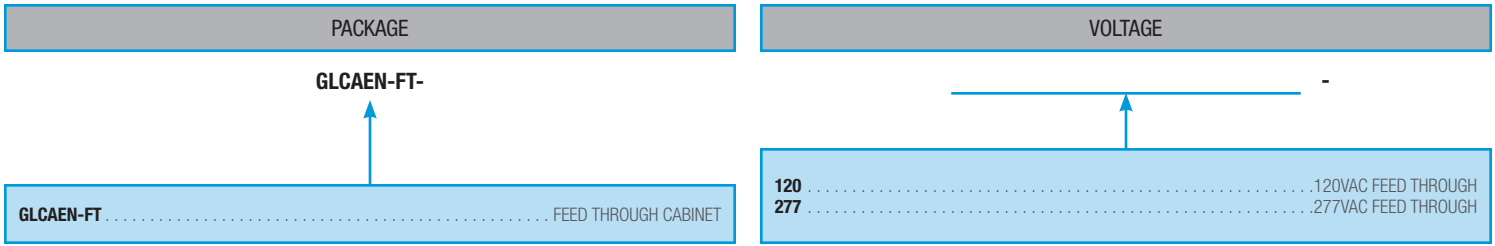
Space Number(s): _____

GLCAEN-FT SpaceBuilder Load Schedule

Zone #	Zone Description	Fixture Tag	Circuit #	Voltage	Load Type	Emergency / Life Safety	Dim (Y/N)	Fixture Watts	Quantity	Total Watts
Example	Downlights	A	H@-1	277 VAC	SWITCHED	N/A	Yes	25	4	100
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
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32										

FWD Phase Dimmed Universal Phase Dimmed 0-10V 4-Wire Dimmed Switched	N/A Partial Zone Complete Zone	Yes No

GLCAEN-FT-_____ -_____SW4-_____LV8-_____DIMU8-_____DIM8-_____

Date:_____ Project:_____

Quantity:_____ Space Name:_____

Space Number(s): _____

PACKAGE	VOLTAGE

GLCAEN-FT-

_____ **-**

GLCAEN-FT . . . . FEED THROUGH CABINET	**120** . . . . .120VAC FEED THROUGH **277** . . . . .277VAC FEED THROUGH

SELECT SEVEN (7) OR FEWER TOTAL MODULES

LIGHTING CONTROL MODULES	UPLINK MODULE

_____ **SW4 -** _____ **LV8 -** _____ **DIMU8 -** _____ **DIM8 -**

_____

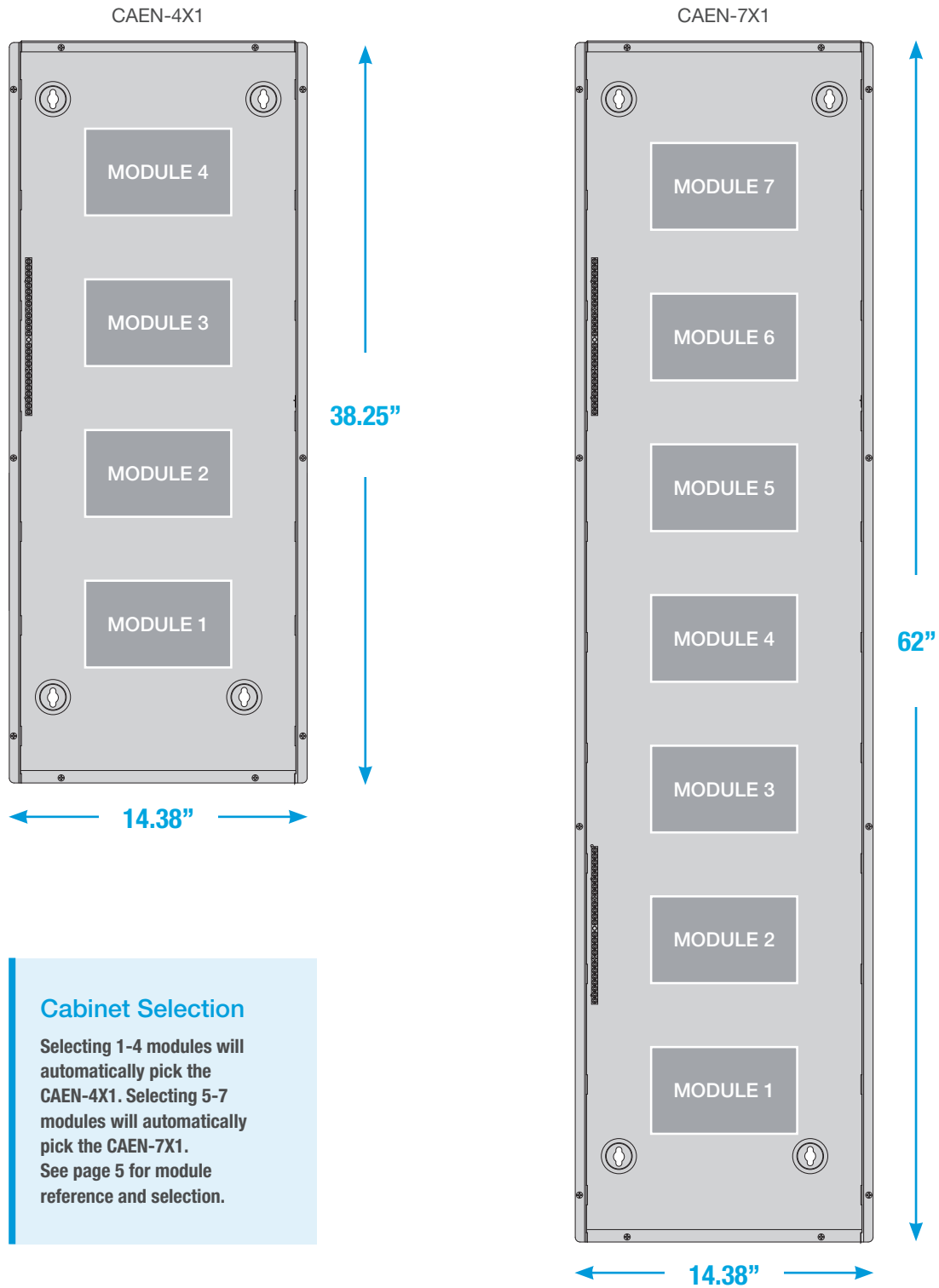|	
QTY. SW4. . . . . .4 ZONES OF SWITCHING (120 VAC ONLY) **QTY. LV8** . . . . .8 ZONES OF SWITCHING OR 0-10V DIMMING **QTY. DIMU8** . . . . 8 ZONES OF 2-WIRE UNIVERSAL PHASE DIMMING **QTY. DIM8** . . . . 8 ZONES OF 2-WIRE FORWARD PHASE DIMMING (120 VAC ONLY)	**BLANK**. . . . . DEFAULT CRESNET UPLINK **PROC**. . . .3-SERIES PROCESSOR, SUPPORTS 40 CRESNET DEVICES AND ETHERNET UPLINK **EN** . . . . SUPPORTS 40 CRESNET DEVICES AND ETHERNET UPLINK PROC or EN selections count as one (1) module. Default Cresnet uplink does not count as a module.

Selecting 1-4 modules will automatically pick the 39" tall cabinet (CAEN-4X1).
Selecting 5-7 modules will automatically pick the 62" tall cabinet (CAEN-7X1).
See page 4 for cabinet reference.

Example: GLCAEN-FT-<u>120</u>-<u>2LV8</u>-<u>PROC</u>

GLCAEN-FT-_____-_____SW4-_____LV8-_____DIMU8-_____DIM8-_____

Date:_____

Quantity:_____

Space Number(s): _____

Project:_____

Space Name:_____

CRESTRON®

GLCAEN-FT SpaceBuilder Cabinets

CAEN-4X1

MODULE 4

MODULE 3

MODULE 2

MODULE 1

38.25"

14.38"

CAEN-7X1

MODULE 7

MODULE 6

MODULE 5

MODULE 4

MODULE 3

MODULE 2

MODULE 1

62"

14.38"

Cabinet Selection

**Selecting 1-4 modules will automatically pick the CAEN-4X1. Selecting 5-7 modules will automatically pick the CAEN-7X1.
See page 5 for module reference and selection.**

GLCAEN-FT-_____-_____SW4-_____LV8-_____DIMU8-_____DIM8-_____

Date:_____   Project:_____

Quantity:_____   Space Name:_____

Space Number(s): _____

GLCAEN-FT SpaceBuilder Modules

3-SERIES PROCESSOR (PROC)

The DIN-AP3 3-Series processor has an astronomical time clock, natively supports 50 BACnet/IP points and 40 Cresnet devices.
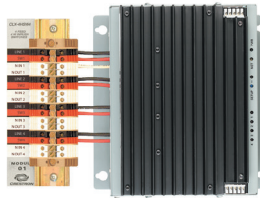
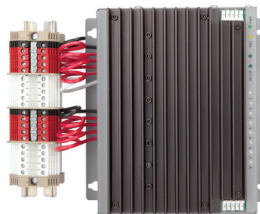### SWITCHING (SW4)   120 VAC PANELS ONLY

The GL-CAEN-4HSW4-KIT has (4) 20 Amp inputs and (4) 20 Amp outputs. The module supports 4 switching zones of any 2-wire load.
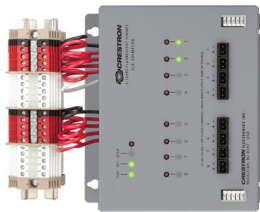
4-WIRE 0-10V DIMMING (LV8)

The GL-CAEN-DIMFLV8-KIT has (2) 20 Amp inputs.
Each input supports (4) switching or 0-10v dimmed loads.

UNIVERSAL PHASE DIMMING (DIMU8)

The GL-CAEN-2DIMU8-KIT has (2) 20 Amp inputs. Each input supports (4) universal phase outputs, each rated to 4A (480W) at 120V and 2.5A (692W) at 277V for a total of 8 zones of control. Each input can be from a different phase. Each output auto-detects forward or reverse phase dimming operation.
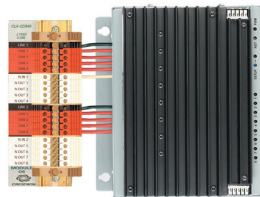
FORWARD PHASE DIMMING (DIM8)   120 VAC PANELS ONLY

The GL-CAEN-2DIM8-KIT has (2) 20 Amp inputs. Each input supports (4) forward phase outputs, each rated to 1920 Watts (16 Amps) for a total of 8 zones of control. This module has a total max rating of 3840 Watts (32 Amps).

ETHERNET UPLINK (EN)

Adds (1) DIN-PWS60 with 60 Watts of Cresnet power and (1) DIN-CENCN-2 Ethernet to Cresnet Bridge.

GLCAEN-FT-_____-_____SW4-_____LV8-_____DIMU8-_____DIM8-_____

Date:_____   Project:_____

Quantity:_____   Space Name:_____

Space Number(s): _____

GLCAEN-FT Specifications

ENCLOSURE

NEMA 1 metal enclosure suitable for instalation in plenum air handling spaces.

ENVIRONMENTAL

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

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

DIMENSIONS

CAEN-4X1

Height:
32.25 in (971.6 mm)

Width:
14.38 in (365.1 mm)

Depth:
4 in (101.6 mm)

CAEN-7X1

Height:
62 in (1574.8 mm)

Width:
14.38 in (365.1 mm)

Depth:
4 in (101.6 mm)

STANDARDS & CERTIFICATIONS

Assembled cabinets are UL508 Listed

CEC Title 24 2013 Compliant

CIRCUIT BREAKERS

This feed through cabinet does NOT have over current protection breakers.

UPLINK

All GLCAEN-FT panel configurations may be uplinked via Cresnet. Panels using PROC or EN options can also be uplinked via Ethernet. See the SpaceBuilder website for more information about networking.

Products in this system can include:

CAEN-4X1: 4 module enclosure
CAEN-7X1: 7 module enclosure
GL-CAEN-2DIM8 KIT: 2X8 forward phase dimming module (120VAC only)
GL-CAEN-4HSW4 KIT: 4x4 switching module (120VAC only)
GL-CAEN-2DIMU8-(277) KIT: 2x8 universal dimming module
GL-CAEN-2DIMFLV8-(277) KIT: 2x8 0-10v dimming module
DIN-AP3: 3 series processor
DIN-PWS60: 60 watt power supply
DIN-CENCN-2: ethernet to cresnet bridge

For technical specifications on all other products in this system, please visit www.crestronlighting.com

For more information or to access digital specification forms for all Crestron SpaceBuilder systems, visit www.crestronspacebuilder.com or call 855-644-7643

Notes:

GLCAEN-FT-_____-_____SW4-_____LV8-_____DIMU8-_____DIM8-_____

Date:_____   Project:_____
Quantity:_____   Space Name:_____
Space Number(s): _____