

**Plug & Play**  
120-277VAC - 12", 18", 48"  
LED Modules. EcoSystem<sup>®</sup>  
& SensorConnect:  
18" minimum.



**Smooth Dimming to 0.1%**  
5-12 W/ft: 0.1%



**Cost Saving Install**  
Cove profiles for easy &  
consistent install



**IP50 Design**  
Indoor rated



### Other spec Downloads

ACT	Static	WarmDim	Tunable
Pendant	Static	WarmDim	Tunable
Scence	Static	WarmDim	Tunable



Designed for LEED & WELL projects



Tunable Spec



Static Spec



IES Files

## 1 - LED Module Specification

EXAMPLE: C-08W-27K-H-V

Series	Power	Color Quality	Controls	Technology
CS				
CS i2Cove	05W	H - High (92)	V - 0-10V	Lowest CCT Highest CCT
	06W	U - Ultra High (98+) SÖLE Technology †	L - LUTRON <sup>®</sup> EcoSystem <sup>™</sup> 1Address - (Intensity) *	Dim to Warm
	07W	R Values on pg 3	D - DMX	
	08W		SensorCONNECT	DW - 2000K 27K - 2700K
	09W		SVL - Sensor Connect 0-10V ATHENA *	30K - 3000K
	10W		SAL - Sensor Connect DALI - LUTRON <sup>®</sup> ATHENA	35K - 3500K
	11W		SAE - Sensor Connect DALI - ENLIGHTED <sup>™</sup>	SunsetDim
	12W		SVE - Sensor Connect 0-10V ENLIGHTED <sup>™</sup> *	SD - 1850K 27K - 2700K
			* Offered in 18" & 48" † Offered in 27K-35K	30K - 3000K
				35K - 3500K
				Dimcandescent
				DC - 2000K 27K - 2700K

## 2 - Mounting Specification (Companion to Luminaire or Architectural Standalone)

EXAMPLE: SC-GF

### Straight Corners

Form	Mounting
SC	
SC - Straight Corners	GF - Gypsum Flat Front
	GF2 - Gypsum Flat Front Tall
	GF3 - Gypsum Flat Front High Blocking
	GF-4 - Gypsum Flat Front Wide
	GF-RA - Gypsum Flat Front Return Air
	K1 - Gypsum Knife Edge 30°
	K1-4 - Gypsum Knife Edge 30° Wide
	K1-RA - Gypsum Knife Edge 30° Return Air
	K2 - Gypsum Knife Edge 40°
	K3 - Gypsum Knife Edge Infinity
	WF - Wall Mount Flat Front

### Curved Corners

Form	Mounting
CC	
CC - Curved Corners	GF - Gypsum Flat Front
	GF-4 - Gypsum Flat Front Wide
	GF-RA - Gypsum Flat Front Return Air
	K1 - Gypsum Knife Edge 30°
	K1-4 - Gypsum Knife Edge 30° Wide
	K2 - Gypsum Knife Edge 40°
	K3 - Gypsum Knife Edge Infinity
	K1-RA - Gypsum Knife Edge 30° Return Air

### Linear Runs

Form	Mounting	Length (ft)
LR		
LR - Linear Runs	All 12 mounting options available, refer to pgs 4-7 for profile details	
	See pg 2 & 4 for additional information and cables	

### Curved Patterns

Form	Mounting
CV	
CV - Curved Forms	GF-4 - Gypsum Flat Front Wide
	GF-RA - Gypsum Flat Front Return Air
	K1-4 - Gypsum Knife Edge 30° Wide
	K1-RA - Gypsum Knife Edge 30° Return Air

### Surface Mount

Form	Mounting	Length (ft)
SF		
SF - Surface Mount (for existing coves)	FX - Fixed Clip	

## 3 - Drawing Specification

EXAMPLE: US-25FT\*10FT\*18FT IC-12"-45",132"

Shape Type	Shape Lengths (ft)	Corner Orientation	Radii 12"-45" (for CC, CV, 1" Increments)	Geometry Angles
LS - L-Shape (One Angle)		IC - Inside Corner		
US - U Shape (Two Angles)		OC - Outside Corner		
SR - Square Rectangle (Four Angles)				
PL - Polygon / Irregular (Multiple Angles)				

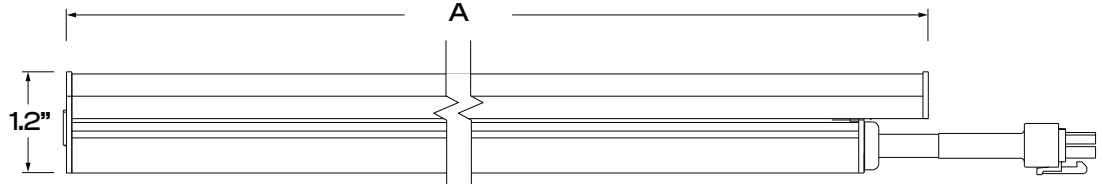
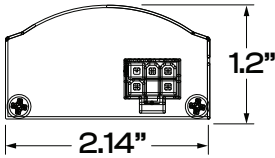


## ► LED Module



For uniform illumination, the gap between LED modules should not exceed **XXX"**

LENGTH "A"	12.13"	18.13"	48.13"
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## ► LED Module - Characteristics

**ENVIRONMENT:**

Ambient operating temperature:  
(0°C) - (+40°C) = (32°F) - (104°F).  
0% to 90% humidity, non-condensing

**STORAGE TEMPERATURE:**

Range: (-20°C) - (+65°C) =  
(-4°F) - (149°F)

**WEIGHT:**

**12"** - 1.05 lbs  
**18"** - 1.40 lbs  
**48"** - 3.15 lbs

**ENVIRONMENT:**

Suitable for Damp locations IP50

**HOUSING:**

Corrosion Resistant Anodized Aircraft  
Grade Aluminum and Diffused  
Polycarbonate Optic Lens

**PATENTED OPTICAL SYSTEM**

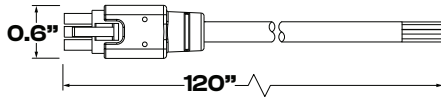
**LIFE:**

60,000hrs to L70

**INPUT VOLTAGE:**

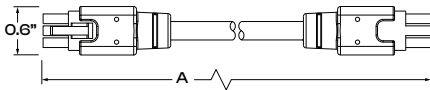
120-277VAC 50/60 Hz

## ► Power Input - Cables



<b>Straight</b>	CS-PIC-S-24N
<b>Straight</b>	CS-PIC-W-010

## ► Jumper - Cables



Jumper Cable Length (A)	
CS-JMP-W-003N	3"
CS-JMP-W-006N	6"
CS-JMP-W-001	12"
CS-JMP-W-002	24"
CS-JMP-W-003	36"
CS-JMP-W-004	48"
CS-JMP-W-006	72"

Finish: **White**

## ► Performance | Lumens per foot based on a 4' LED module

Asymmetric optical distribution with maximum candelas at 24.5 degrees from horizontal with 140° beam spread.

**3000K Lumen Data**

System Watts/Ft	Delivered Lm/Ft	
	92 CRI	98 CRI
<b>2</b>	135	119
<b>3</b>	228	200
<b>4</b>	286	253
<b>5</b>	401	354
<b>6</b>	504	445
<b>7</b>	606	534
<b>8</b>	733	645
<b>9</b>	970	849
<b>10</b>	1078	945
<b>11</b>	1174	1030
<b>12</b>	1277	1125

**Lumen Factor\***

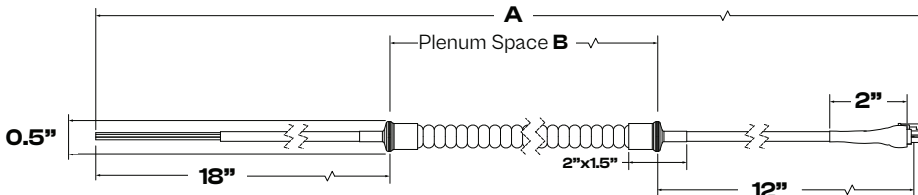
Output Factors	Multiplier
<b>1850K</b>	0.70
<b>2000K</b>	0.70
<b>2200K</b>	0.81
<b>2500K</b>	0.86
<b>2700K</b>	0.96
<b>3000K</b>	1.00
<b>3500K</b>	1.05
<b>4000K</b>	1.05
<b>4500K</b>	1.05
<b>5000K</b>	1.05
<b>5700K</b>	1.05
<b>6500K</b>	1.05

**Maximum Run Lengths\***

System Watts/Ft	Length	
	120 VAC	277 VAC
<b>2</b>	144Ft	144Ft
<b>3</b>	120Ft	124Ft
<b>4</b>	108Ft	120Ft
<b>5</b>	92Ft	108Ft
<b>6</b>	80Ft	100Ft
<b>7</b>	72Ft	96Ft
<b>8</b>	64Ft	88Ft
<b>9</b>	56Ft	84Ft
<b>10</b>	52Ft	80Ft
<b>11</b>	48Ft	78Ft
<b>12</b>	44Ft	76Ft

\*Max run of fixtures from a single power cable.

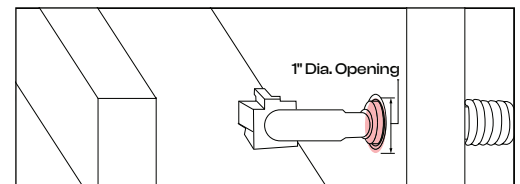
## ► Armored &amp; Plenum-Rated Power Input Cable



	Total Cable Length (A)	Conduit Length (B)
CP-PIC-AFC-010F	12.5'	10'
CP-PIC-AFC-025F	27.5'	25'
CP-PIC-AFC-050F	52.5'	50'



Armored cables are not quoted as standard.  
Request pricing from factory to add to your quote.



Power input cable is recommended to be concealed by the front ledge of the cove, below the base height of the fixture. Please refer to installation instructions.

## ► Color Quality

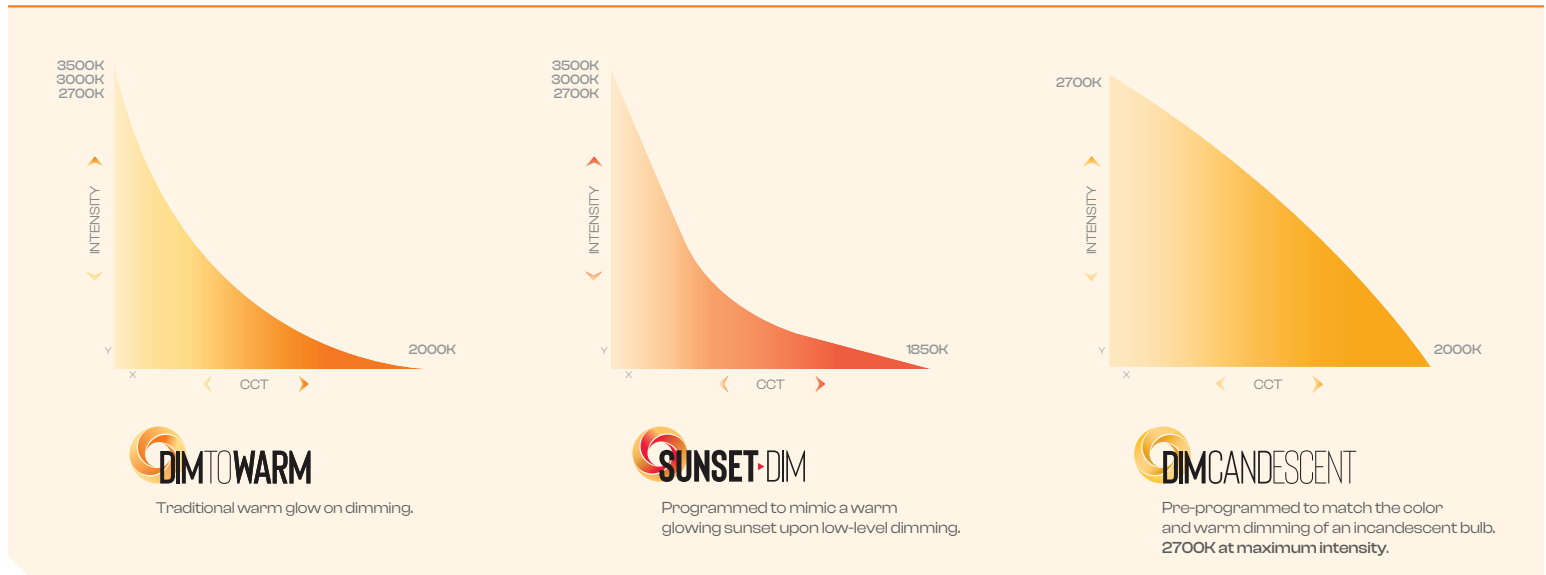
### CRI 92+ (High)

Color Temp	Ra	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
2700K	98	98	98	98	98	98	97	98	99	97	95	98	95	97	99	98
3000K	99	100	99	99	99	100	99	98	98	94	99	99	99	99	99	99
3500K	98	99	99	98	96	99	98	98	97	92	99	93	91	99	99	97

### Ultra High CRI 98+ (SÖLE Technology - Optional)

Color Temp	Ra	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
2700K	98	98	98	98	98	98	97	98	99	97	95	98	95	97	99	98
3000K	99	100	99	99	99	100	99	98	98	94	99	99	99	99	99	99
3500K	98	99	99	98	96	99	98	98	97	92	99	93	91	99	99	97

## Built-in Warm Dim Technology



Dimming Curves provided for design intent and **are not** an exact depiction of proprietary curve.

## ► Lighting Uniformity Readings

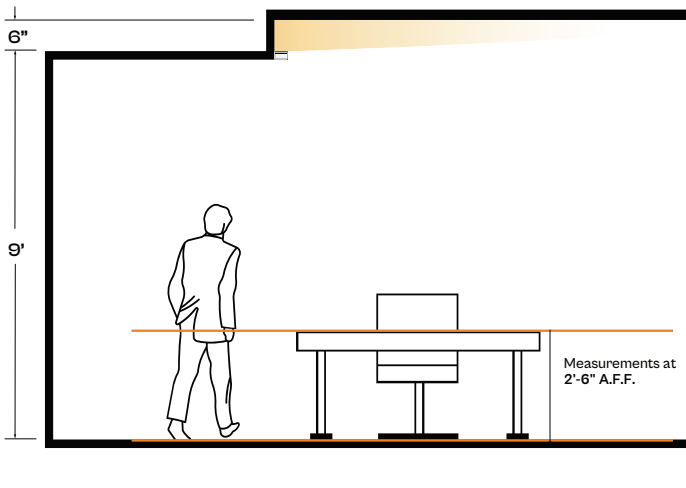


Recommend 5W-8W for coves with overall vertical height of 6-10"

**Dimensions**  
14' x 34'

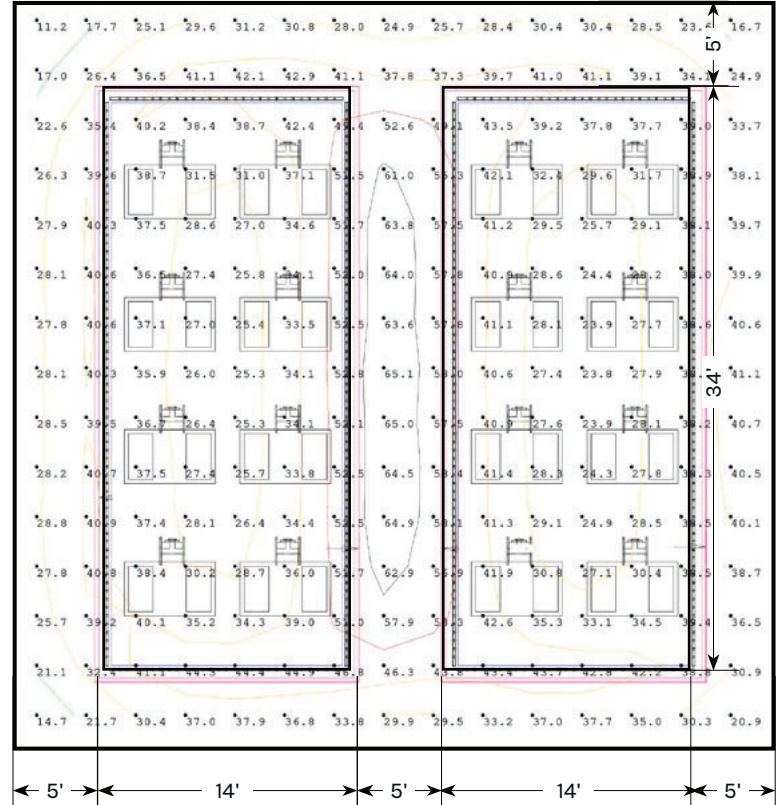
**Ceiling Height**  
9'-6"

**Mounting**  
9' A.F.F.



**Power** 6 W/ft | **CCT** 3000K | **Floor LRV** 0.20 | **Walls LRV** 0.50 | **Ceiling LRV** 0.80

Average light level at task with 6" cove height:	<b>37FC</b>
Average light level at task with 8" cove height:	<b>37FC</b>
Average light level at task with 10" cove height:	<b>38FC</b>
Average light level at task with 12" cove height:	<b>38FC</b>
Average light level at task with 18" cove height:	<b>39FC</b>



► Curved Patterns



All Plaster - In Mounting Systems are shipped unprimed / unpainted along with a seam filler for a seamless install.  
8' standard length, field cut as required for made to measure applications.

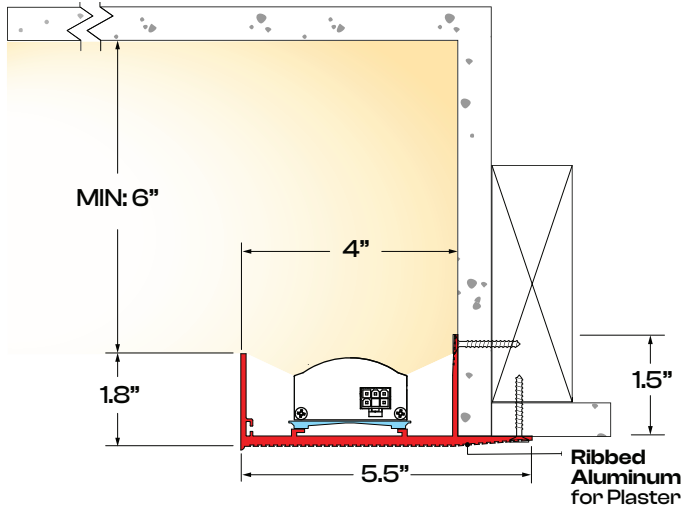


**Curved Pattern Extrusions**  
Profiles for Curved Corners and Curved Patterns

Defined in factory drawings from architectural drawings.

**Minimum Radius: 100"**

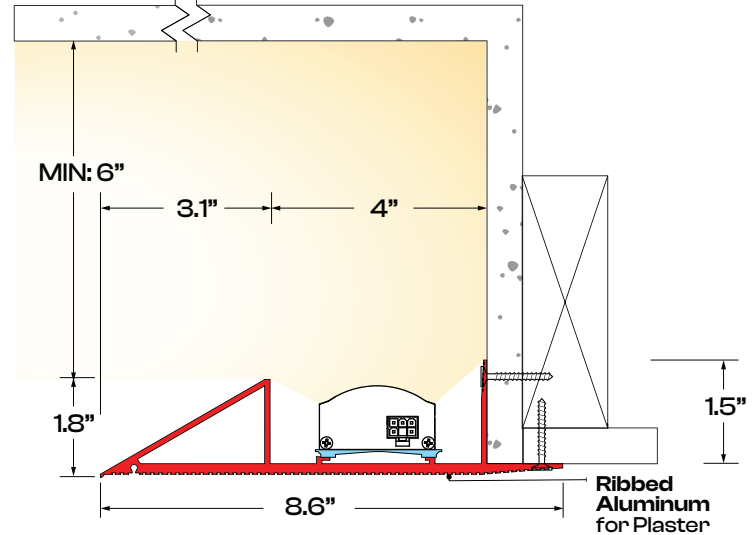
**GF-4** | Gypsum Flat Front Wide



Included in Order:

**Mounting Bracket** CS-EXT-B1

**K1-4** | Gypsum Knife-Edge 30° Wide



Included in Order:

**Mounting Bracket** CS-EXT-B1

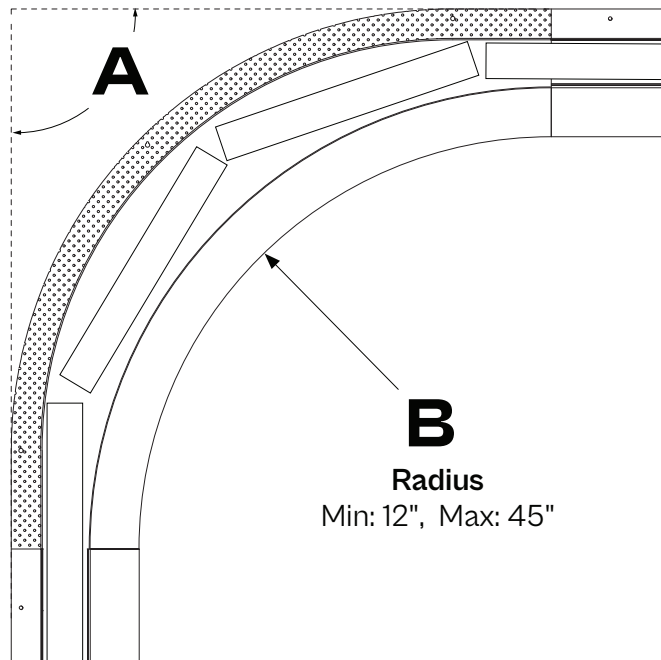


All Plaster - In Mounting Systems are shipped unprimed / unpainted along with a seam filler for a seamless install.  
8' standard length, field cut as required for made to measure applications.



**Soft Corner Coves**

**Radius:** Min: 12", Max: 45"



Radii tolerances, optical technology designed for consistent illumination on all surfaces when using our unique, architectural infrastructure profiles and adhering to installation guidelines.

[Download our Architectural Cove Specification Guide](#)

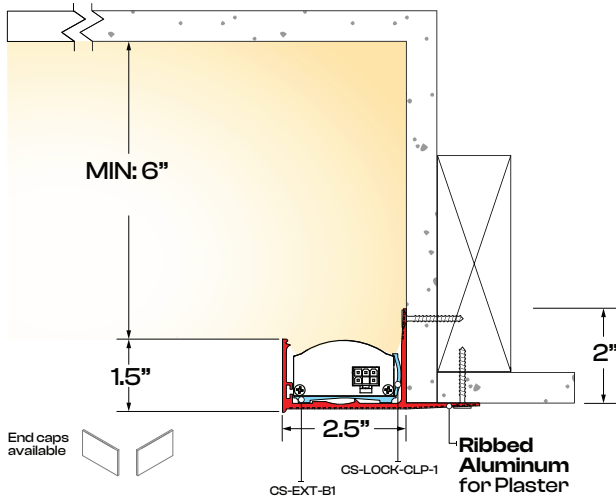
Note: Contact factory for custom radii

► Plaster-In - Mounting Systems



All Plaster - In Mounting Systems are shipped unprimed / unpainted along with a seam filler for a seamless install.  
8' standard length, field cut as required for made to measure applications.

GF | Gypsum Flat Front



Included in Order:

**Mounting Bracket** CS-EXT-B1

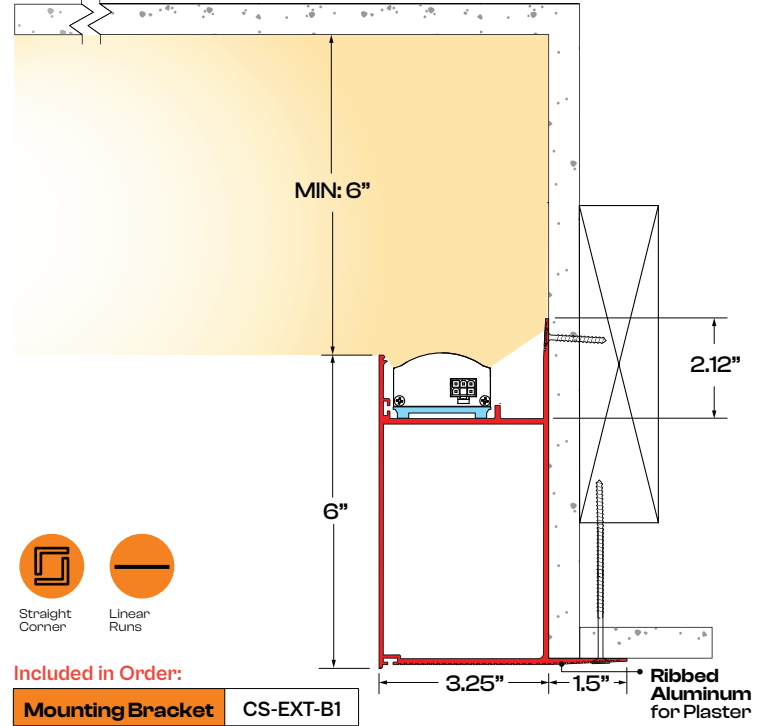
Included in Order:

**Spring Clip** CS-LOCK-CLP-1

**Left End Cap** CP-GF-END-L

**Right End Cap** CP-GF-END-R

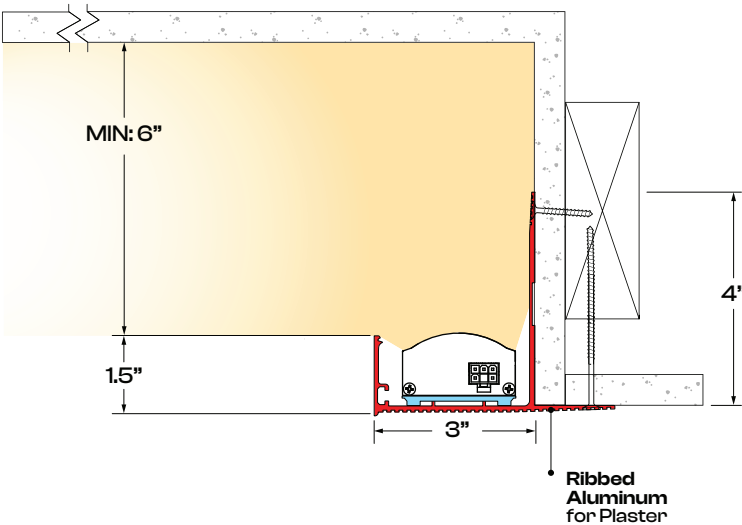
GF-2 | Gypsum Flat Front Tall



Included in Order:

**Mounting Bracket** CS-EXT-B1

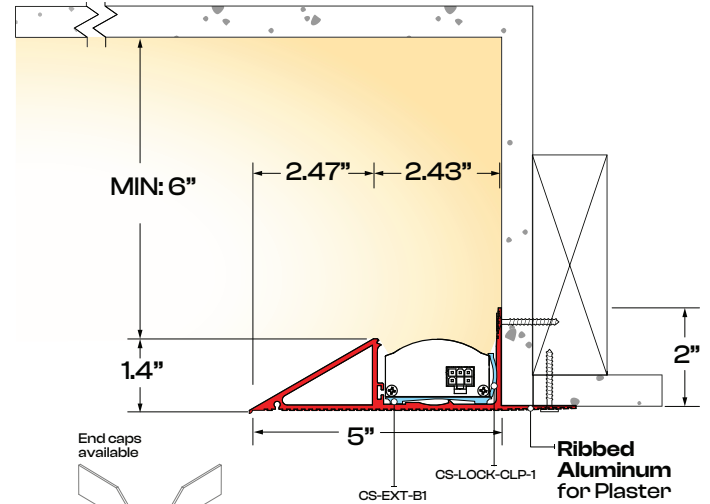
GF-3 | Gypsum Flat Front High Blocking



Included in Order:

**Mounting Bracket** CS-EXT-B1

K1 | Gypsum Knife-Edge 30°



Included in Order:

**Mounting Bracket** CS-EXT-B1

Included in Order:

**Spring Clip** CS-LOCK-CLP-1

**Left End Cap** CP-K1-END-L

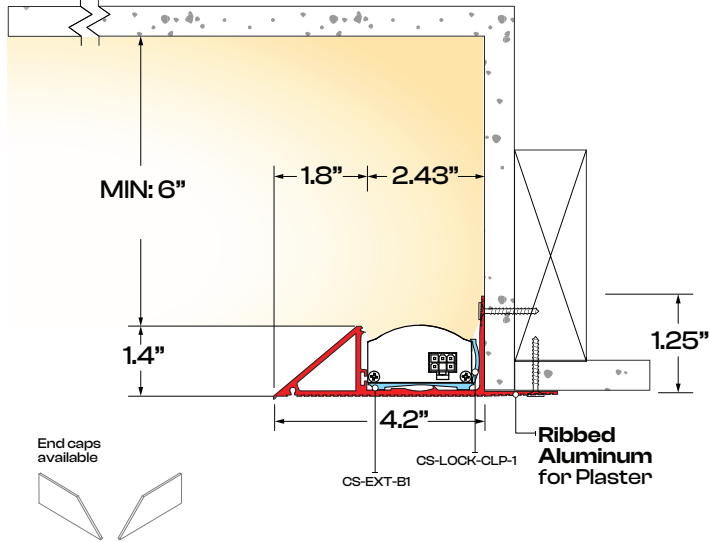
**Right End Cap** CP-K1-END-R

## ► Plaster-In - Mounting Systems



All Plaster - In Mounting Systems are shipped unprimed / unpainted along with a seam filler for a seamless install.  
8' standard length, field cut as required for made to measure applications.

### K2 | Gypsum Knife-Edge 40°



Left End Cap	CP-K2-END-L
Right End Cap	CP-K2-END-R

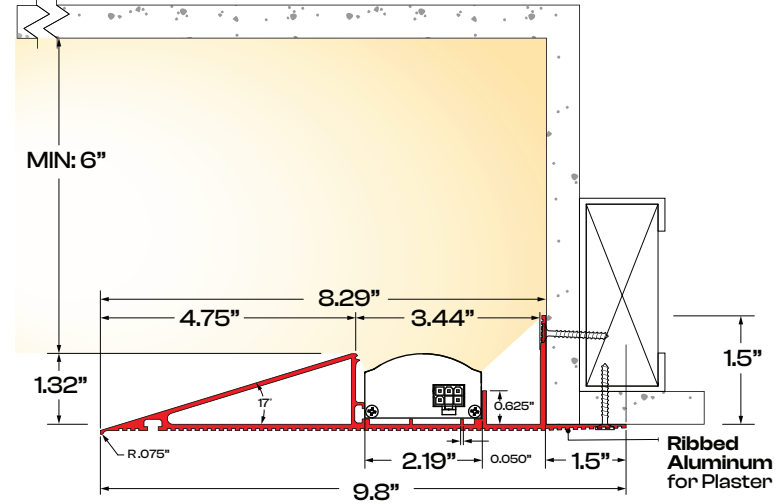
Included in Order:

Mounting Bracket	CS-EXT-B1
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Included in Order:

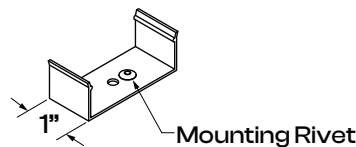
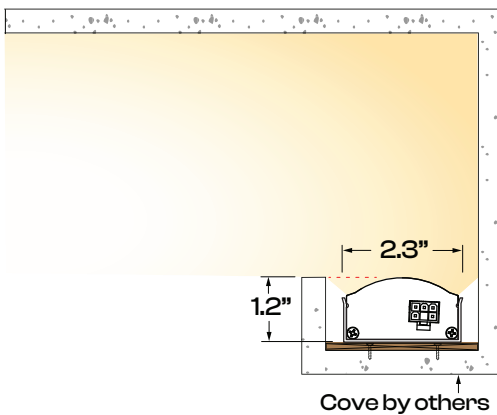
Spring Clip	CS-LOCK-CLP-1
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### K3 | Gypsum Knife-Edge Infinity



## ► Surface - Mounting Systems

### FX | Fixed Clip Mounting (for existing coves)



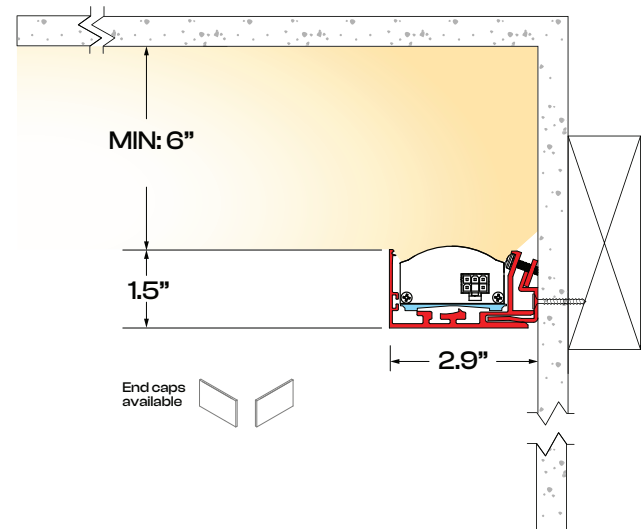
Included in Order:

Fixed Clip	CSB-1
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Wall Mount Mounting Systems are shipped unprimed / unpainted along with a seam filler for a seamless install.  
8' standard length, field cut as required for made to measure applications.

### WF | Wall Mount Flat Front



Left End Cap	CP-WF-END-L
Right End Cap	CP-WF-END-R

Included in Order:

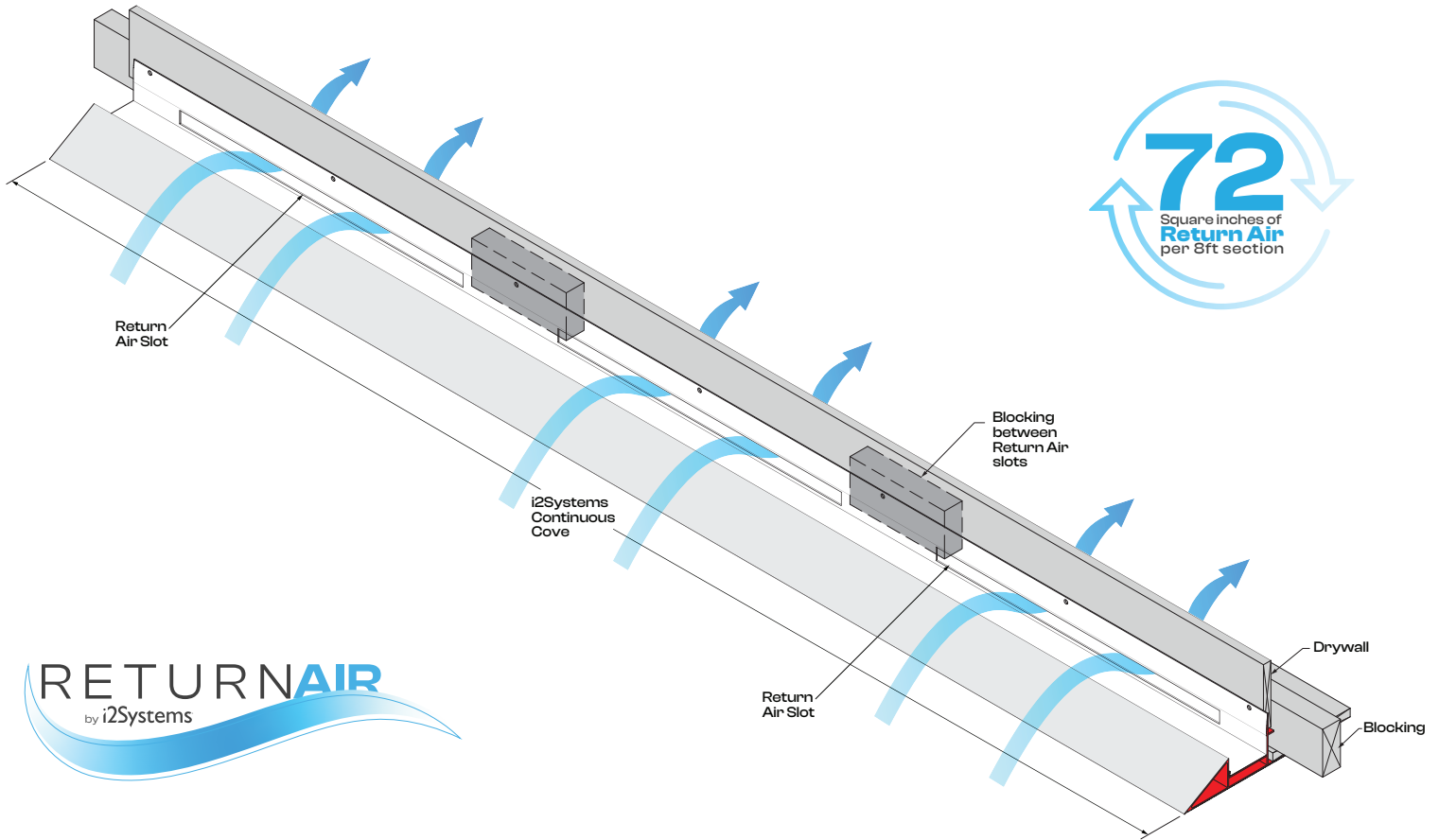
Mounting Bracket	CS-EXT-B1
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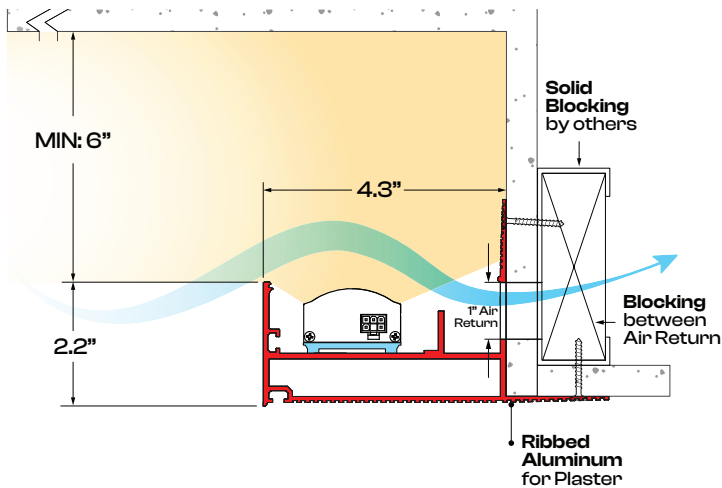
► Return Air Plaster-In - Mounting Systems



All Plaster - In Mounting Systems are shipped unprimed / unpainted along with a seam filler for a seamless install.  
8' standard length, field cut as required for made to measure applications.



GF-RA | Gypsum Flat Front w/Air Return



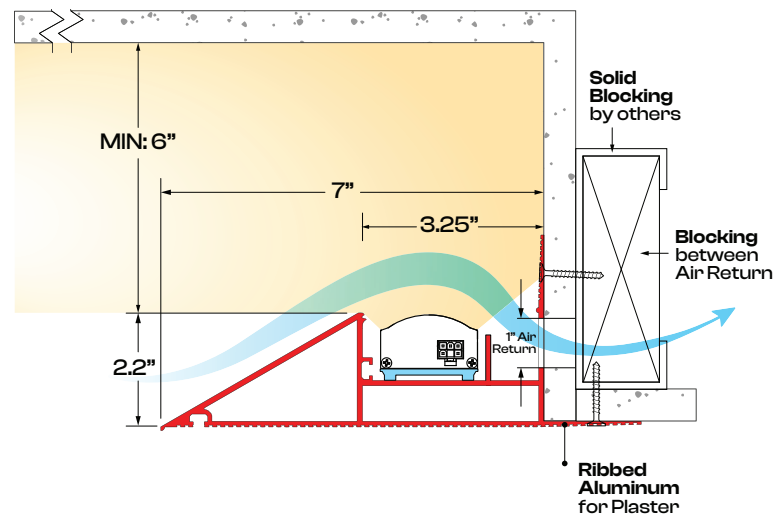
PATENT PENDING



Included in Order:

Mounting Bracket CS-EXT-B1

K1-RA | Gypsum Knife-Edge 30°w/Air Return



PATENT PENDING



Included in Order:

Mounting Bracket CS-EXT-B1



## ► Controls - 0-10V System Architecture

## SensorCONNECT

SVL - 0-10V ATHENA

SVE - 0-10V ENLIGHTED

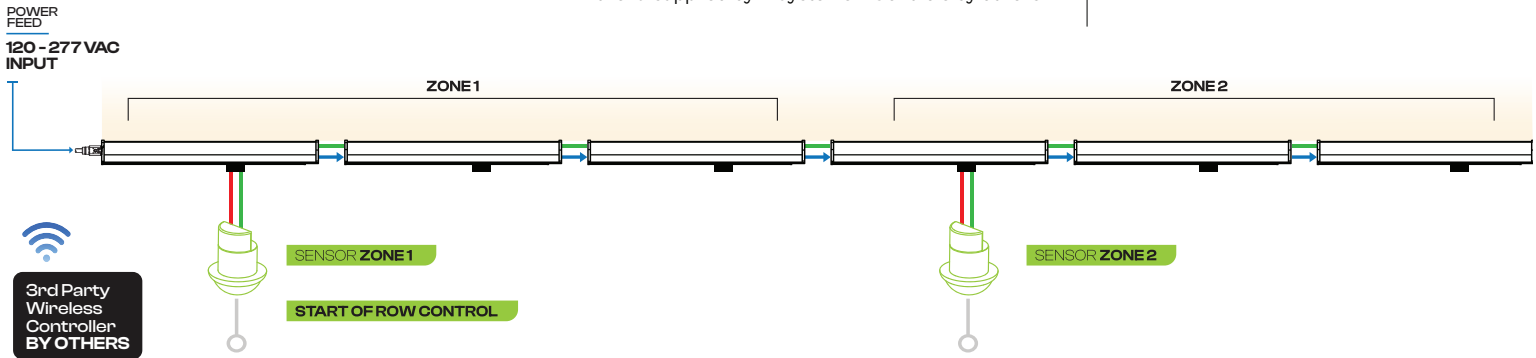
Sensors and nodes connect fixtures to lighting control system and respond to the dynamics of a space. The Sensor controls ALL lights that are connected together up to the next sensor in the same row.

Multiple sensors provide separate zone control.

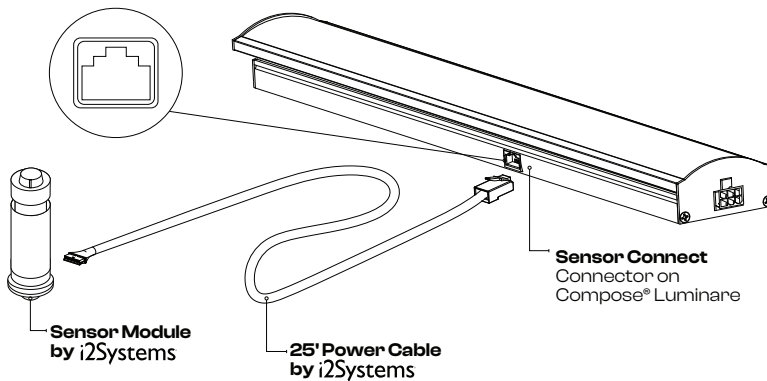
LED Module, Power Cable and Sensor for LUTRON® Athena supplied by i2Systems®. Controls by others.

ALL lights automatically determine if a sensor is plugged into it.

Connector not used on Corner LED Modules. The first LED module must include a Sensor. Sensor Connect LED modules supplied in 18" & 48" lengths.



## 0-10V LUTRON® ATHENA - SVL



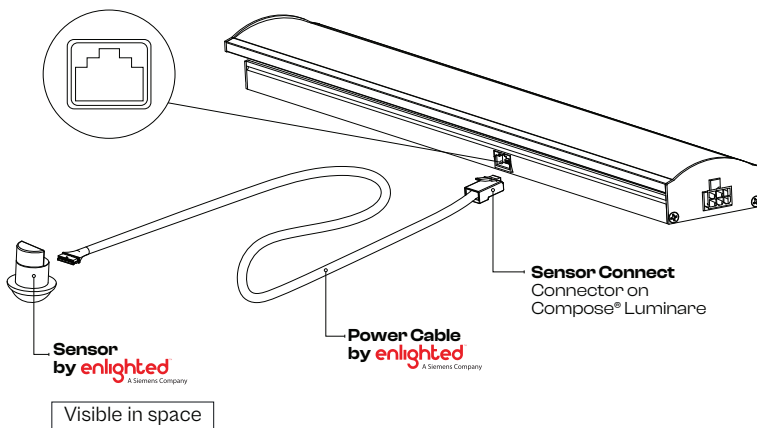
\*Wireless Node is not visible in space

\*Wireless Sensor is visible in space

## Control Sensors

	Item	Part Number
LUTRON® Athena	Wireless Node*	By i2 SVL-KIT-25-N
LUTRON® Athena	Wireless Node Sensor**	By i2 SVL-KIT-25-S

## 0-10V ENLIGHTED™ - SVE



## Control Sensor

Item	Part Number
Enlighted	SU-5E

## Enlighted Cables

Part Number	Length
CBL-5E-CU4-30N	30"
CBL-5E-CU4-7F	7'
CBL-5E-CU4-15F	15'
CBL-5E-CU4-25F	25'
CBL-5E-CU4-50F	50'
CBL-5E-CU4-75F	75'
CBL-5E-CU4-100F	100'

## Controls - DALI

# SensorCONNECT

SAL - DALI - ATHENA

SAE - DALI - ENLIGHTED

## POWER FEED

120 - 277VAC  
INPUT

Up to 64 Total Luminaires

Sensors and nodes connect fixtures to lighting control system and respond to the dynamics of a space. The Sensor controls ALL lights that are connected together up to the next sensor in the same row.

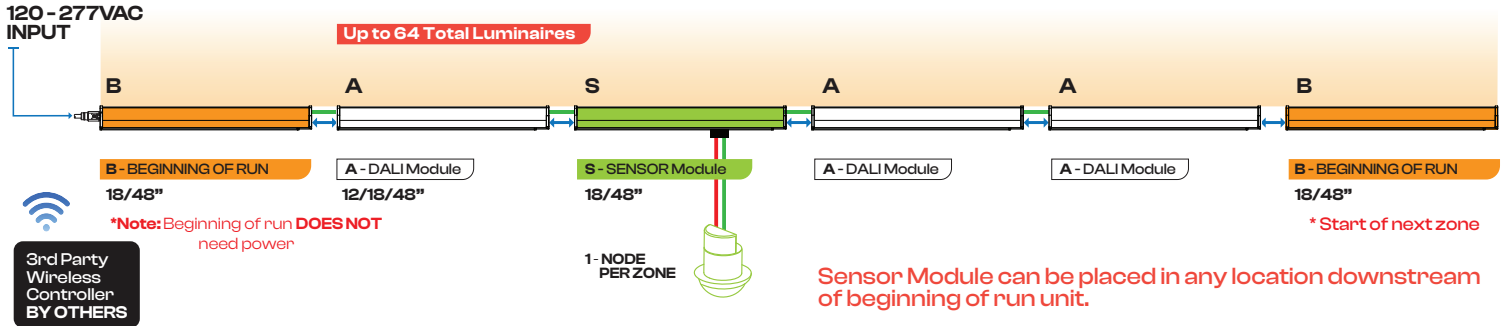
Multiple sensors provide separate zone control.

LED Module and power cable for LUTRON® Athena supplied by i2Systems®. Controls by others.

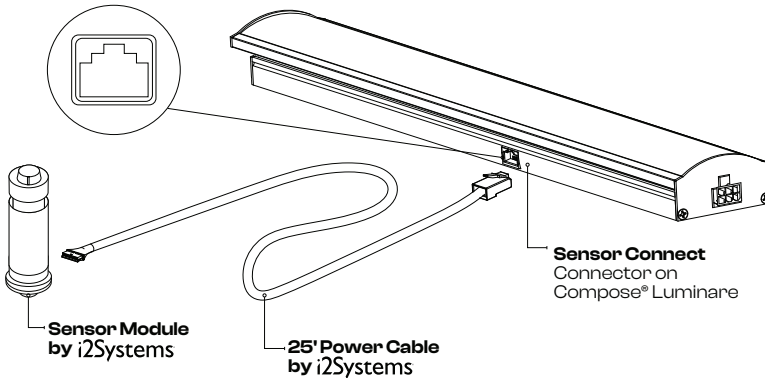
Connector not used in Corner LED Modules.

Sensor Module and Beginning of Run supplied in 18" & 48" lengths.

Maximum: 5 LED modules per node.



## 0-10V LUTRON® ATHENA - SVL



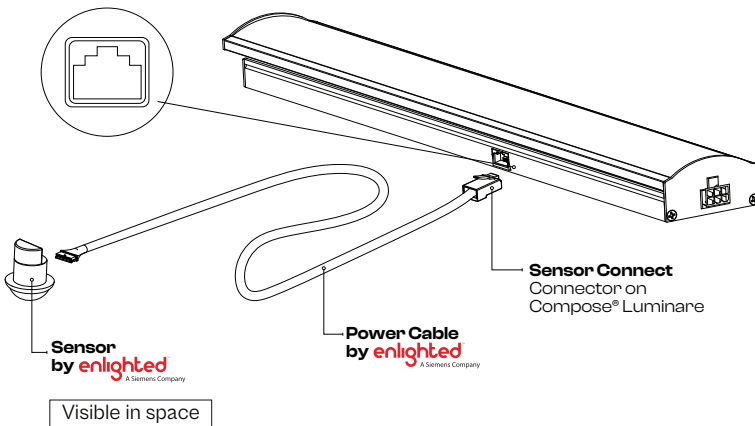
\*Wireless Node is not visible in space

\*Wireless Sensor is visible in space

### Control Sensors

	Item	Part Number
LUTRON® Athena	Wireless Node*	By i2 SAL-KIT-25-N
LUTRON® Athena	Wireless Node Sensor**	By i2 SAL-KIT-25-S

## 0-10V ENLIGHTED™ - SVE



### Control Sensor

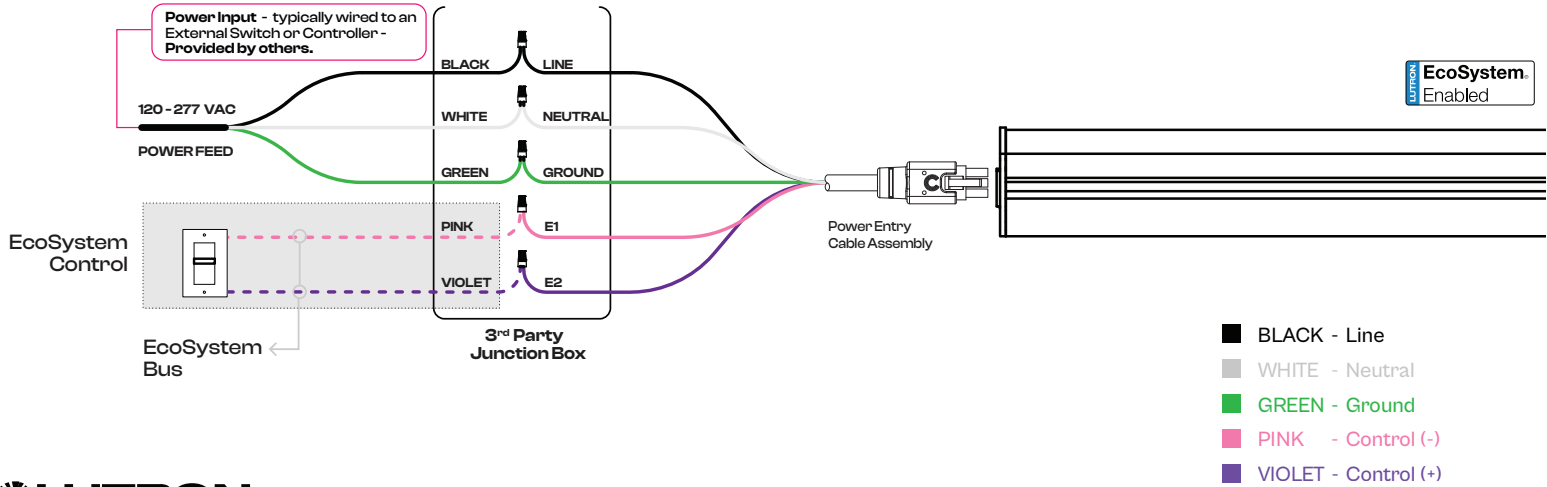
Item	Part Number
Enlighted	SU-5E

### Enlighted Cables

Part Number	Length
CBL-5E-CU4-30N	30"
CBL-5E-CU4-7F	7'
CBL-5E-CU4-15F	15'
CBL-5E-CU4-25F	25'
CBL-5E-CU4-50F	50'
CBL-5E-CU4-75F	75'
CBL-5E-CU4-100F	100'

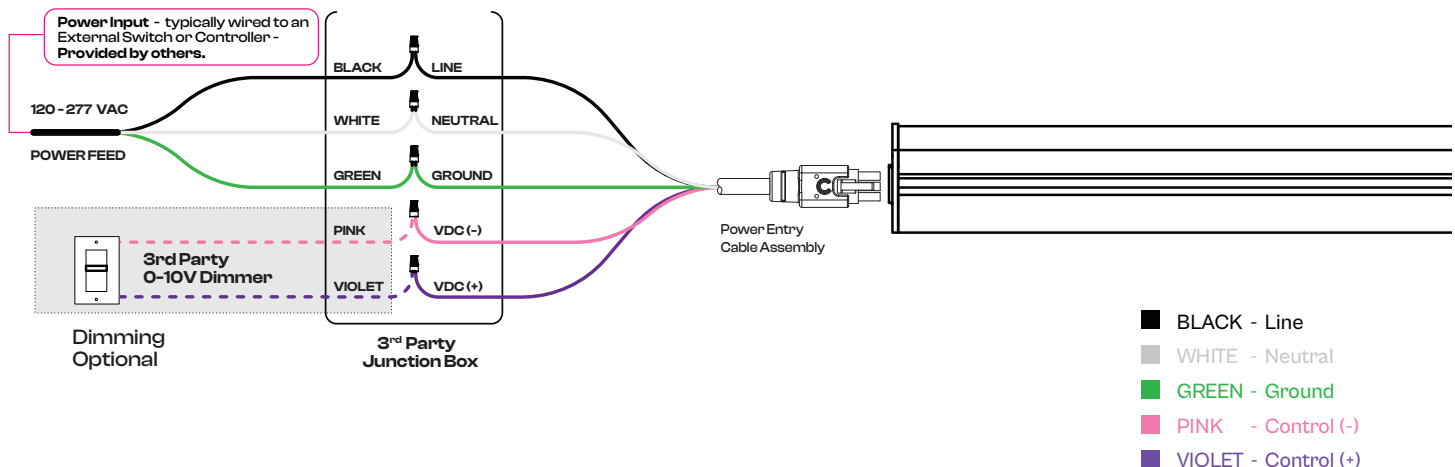
## ► Controls

## L | LUTRON ECOSYSTEM®



INSTALLATION SIZE	Total Digital Addresses Available	CONTROLLABLE ZONES	iPAD / iPHONE CONTROL	SYSTEM	LINK	WALL CONTROLS
SMALL	64	6	NO	GrafikEyeQS w/Eco #QSGRJ-6E	<a href="https://www.lutron.com/TechnicalDocumentLibrary/QSGRJ-xE Sub.pdf">https://www.lutron.com/TechnicalDocumentLibrary/QSGRJ-xE Sub.pdf</a>	One 4-button (3-scene) wireless Pico and two wireless Pico #PJ2-2BRL-GWH-L01 for Raise/Lower of CCT & Dimming
SMALL - ADDITIONAL ZONES	64	16	NO	GrafikEyeQS w/Eco #QSGRJ-16E	<a href="https://www.lutron.com/TechnicalDocumentLibrary/QSGRJ-xE Sub.pdf">https://www.lutron.com/TechnicalDocumentLibrary/QSGRJ-xE Sub.pdf</a>	Wall controls to include one QSW52-5BRLN-WH-EGN
LARGE	128	30+	YES	EnergiSavrNode #QSN-2ECO-S	<a href="http://www.lutron.com/TechnicalDocumentLibrary/369-248.pdf">http://www.lutron.com/TechnicalDocumentLibrary/369-248.pdf</a>	Include the AstronomicTimeClock device needed as part of the basic BOM. Wall controls to include one 4-button (3-scene) wireless Pico and two wireless Pico #PJ2-2BRL-GWH-L01 for Raise/Lower of CCT & Dimming per room.
ENTERPRISE	Lutron Quantum/Athena with EcoSystem - Contact your local Lutron Representative for assistance.					

## V | 0-10V



## Controls

### D | DMX



- Up to **512 Addresses** per Controller.
- For Static White, use only **(1) one control channel per light fixture.**  
(The same Address can be used for multiple lights)

