i2Systems®
ADVANCED LED LIGHTING

i2Cove
Cove System | STATICWHITE

AMERICAN DESIGNED & MANUFACTURED

Project: _____
Type: _____

Plug & Play
120-277VAC – 12", 18", 48" LED Modules. EcoSystem® & 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

FC | cULus | RoHS compliant source
EcoSystem Enabled | 5 Year Warranty | JA8 Compliant

Other spec Downloads

ACT	Static	WarmDim	Tunable
Pendant	Static	WarmDim	Tunable
Sconce	Static	WarmDim	Tunable

Designed for **LEED & WELL** projects

Tunable Spec | WarmDim Spec | IES Files

▶ 1 - LED Module Specification

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

Series	Power	CCT	Color Quality		Controls
CS					
CS i2Cove	**02W***	**18K** - 1800K	**H -** High (92)**		**V -** 0-10V
	03W*	**20K** - 2000K	**U -** Ultra High (98+) SŌLE Technology †		**L -** LUTRON® EcoSystem® 1 Address - (Intensity) ‡
	04W*	**22K** - 2200K	**R Values on pg 3**		**E -** ELV §
	05W	**25K** - 2500K**			**D -** DMX
	06W	**27K** - 2700K †			**A -** DALI
	07W	**30K** - 3000K †			SensorCONNECT
	08W	**35K** - 3500K †			**SVL -** Sensor Connect 0-10V ATHENA ‡
	09W	**40K** - 4000K			**SAL -** Sensor Connect DALI - LUTRON® ATHENA
	10W	**45K** - 4500K			**SAE -** Sensor Connect DALI - ENLIGHTED˜
	11W	**50K** - 5000K			**SVE -** Sensor Connect 0-10V ENLIGHTED˜ ‡
	12W	**57K** - 5700K	*Dims to 1% **25K offered at 83+CRI † Ultra High CRI offered in 27K-35K		
		65K - 6500K	‡ Offered in 18" & 48" § Offered at 5-12W/ft.		

▶ 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 - Gysum 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

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

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	

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)				

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i2Cove
Cove System | STATICWHITE

▶ LED Module

⚠ For uniform illumination, the gap between LED modules should not exceed 0.5"

| LENGTH "A" | 12.13" | 18.13" | 48.13" |

A

1.2"
2.14"
1.2"
1.2"
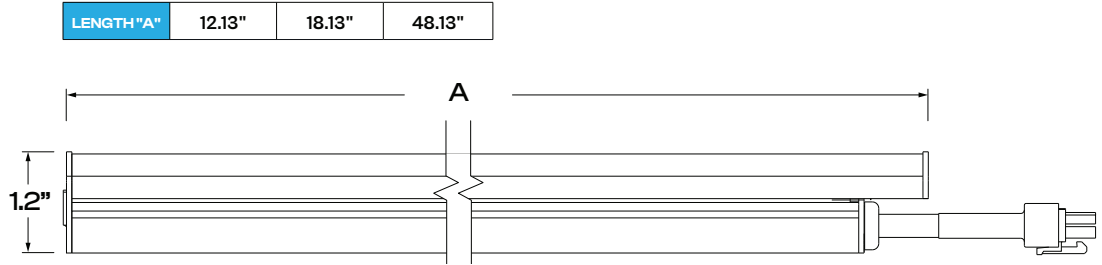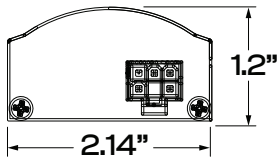
▶ LED Module - Characteristics

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

WEIGHT:
12" - 1.05 lbs
18" - 1.40 lbs
48" - 3.15 lbs

HOUSING:
Corrosion Resistant Anodized Aircraft Grade Aluminum iand Diffused Polycarbonate Optic Lens
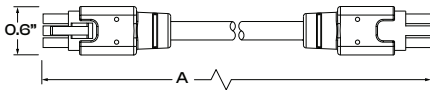
PATENTED OPTICAL SYSTEM

INPUT VOLTAGE:
120-277VAC 50/60 Hz

STORAGE TEMPERATURE:
Range: (-20˚C) - (+65˚C) = (-4˚F) - (149˚F)

ENVIRONMENT:
Suitable for Damp locations IP50

LIFE:
60,000hrs to L70

▶ Power Input - Cables
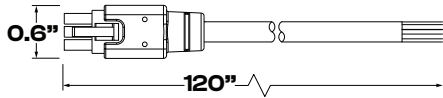
| Straight | CS-PIC-S-24N |
| Straight | CS-PIC-W-010 |

0.6"
120"

▶ Jumper - Cables

0.6"
A

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	
Power	92 CRI	98 CRI
2	135	119
3	228	200
4	286	253
5	401	354
6	504	445
7	606	534
8	733	645
9	970	849
10	1078	945
11	1174	1030
12	1277	1125

Lumen Factor

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

Maximum Run Lengths*

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

*Max run of fixtures from a single power cable.

▶ Armored & Plenum-Rated Power Input Cable

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

A
Plenum Space **B**
2"
0.5"
18"
2"x1.5"
12"

1" Dia. Opening
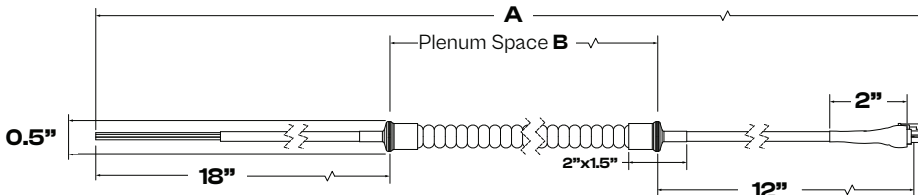
	Total Cable Length (A)	Conduit Length (B)
CP-PIC-AFC-010F	12.5'	10'
CP-PIC-AFC-025F	27.5'	25'
CP-PIC-AFC-050F	52.5'	50'
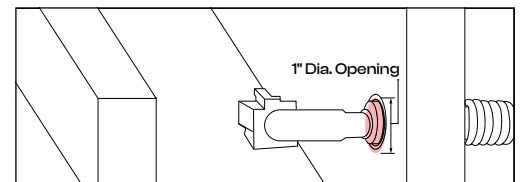
Power input cable is recommended to be concealed by the front ledge of the cove, below the base height of the fixture. Please refer to installation instructions.

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▶ Color Quality

CRI - 92+ (Standard)

Color Temp	Ra	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
1800K	95	95	96	98	93	93	90	96	95	90	94	85	81	95	97	99
2000K	95	94	96	97	91	92	91	98	99	97	94	84	84	94	97	98
2200K	93	93	97	99	93	93	98	91	80	60	93	95	95	94	99	88
2500K*	84	82	92	96	81	82	93	82	61	23	84	82	82	85	99	75
2700K	93	93	97	99	93	92	93	95	87	69	87	94	89	94	99	90
3000K	92	92	94	96	93	92	93	93	84	63	87	94	86	92	97	89
3500K	93	93	95	95	94	93	92	95	87	69	87	94	82	93	97	91
4000K	91	91	93	94	92	91	90	94	87	64	83	92	78	91	96	89
4500K	93	93	94	94	93	92	90	95	89	71	85	92	73	93	97	92
5000K	94	94	94	93	94	93	91	96	93	78	86	94	75	94	96	93
5700K	92	94	92	90	93	93	88	93	93	79	81	93	76	93	94	94
6500K	93	93	93	91	94	93	88	95	93	78	83	93	71	93	95	93

*84 CRI for 2500K

▶ Lighting Uniformity Readings

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

Dimensions	**Ceiling Height**	**Mounting**
14' x 34'	9'-6"	9' A.F.F.

Measurements at 2'-6" A.F.F.
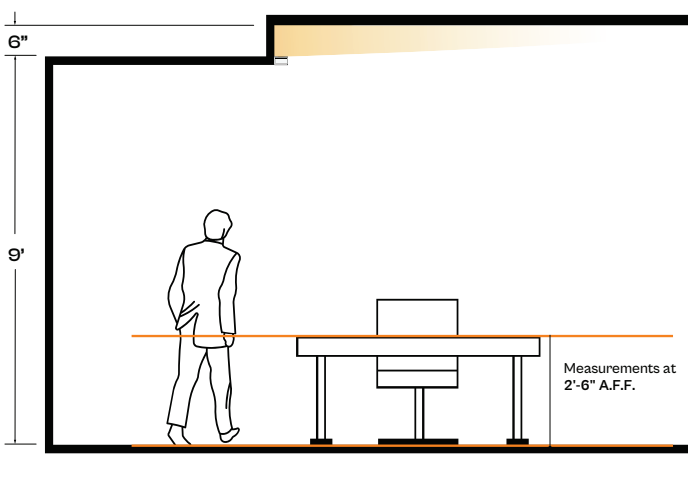
Power	**CCT**	**Floor LRV**	**Walls LRV**	**Ceiling LRV**
6 W/ft	3000K	0.20	0.50	0.80

Average light level at task with 6" cove height:	**37FC**
Average light level at task with 8" cove height:	**37FC**
Average light level at task with 10" cove height:	**38FC**
Average light level at task with 12" cove height:	**38FC**
Average light level at task with 18" cove height:	**39 FC**

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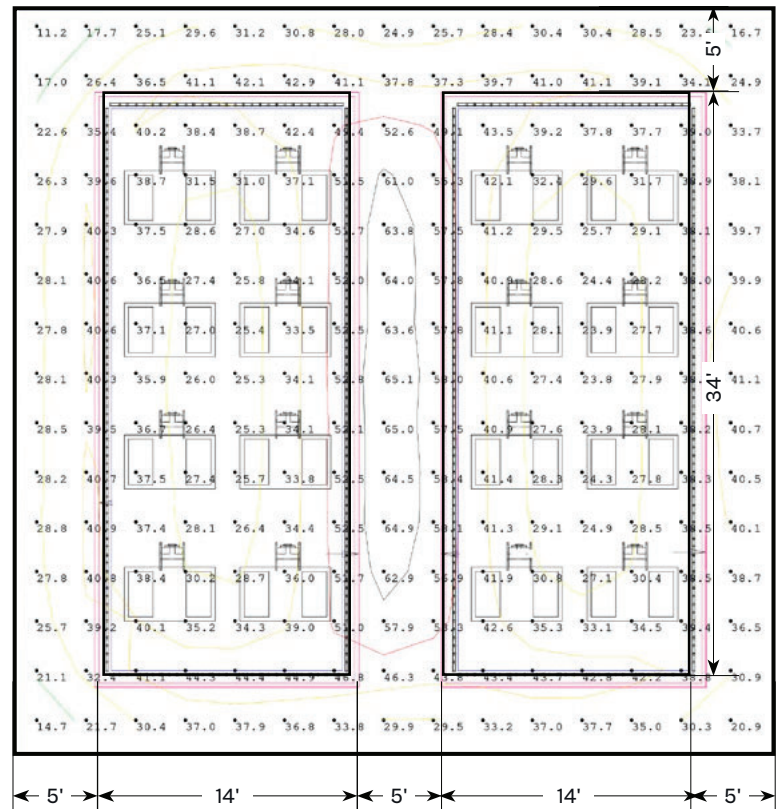
▶ **Curved Patterns**

⚠ All Plaster - In Mounting Systems are shipped umprimed / 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

MIN: 6"

4"

1.8"

1.5"

5.5"

Ribbed Aluminum for Plaster

Straight Corner | Curved Corner | Curved Patterns

Included in Order:

Mounting Bracket	CS-EXT-B1

K1-4 | Gypsum Knife-Edge 30° Wide

MIN: 6"

3.1" | 4"

1.8"

1.5"

8.6"

Ribbed Aluminum for Plaster

Straight Corner | Curved Corner | Curved Patterns

Included in Order:

Mounting Bracket	CS-EXT-B1

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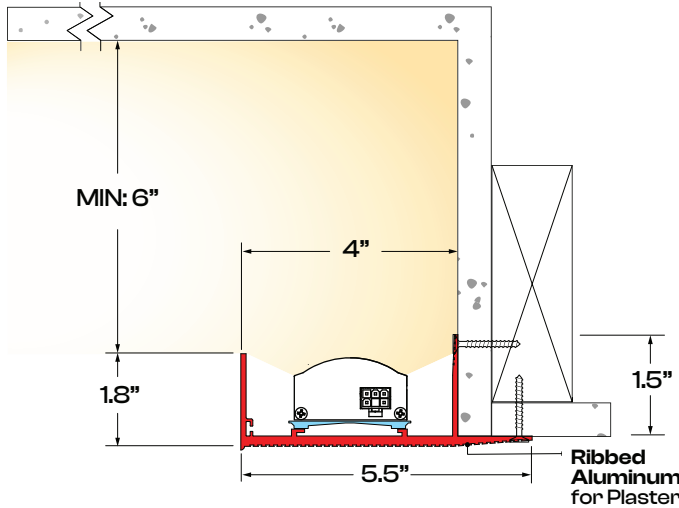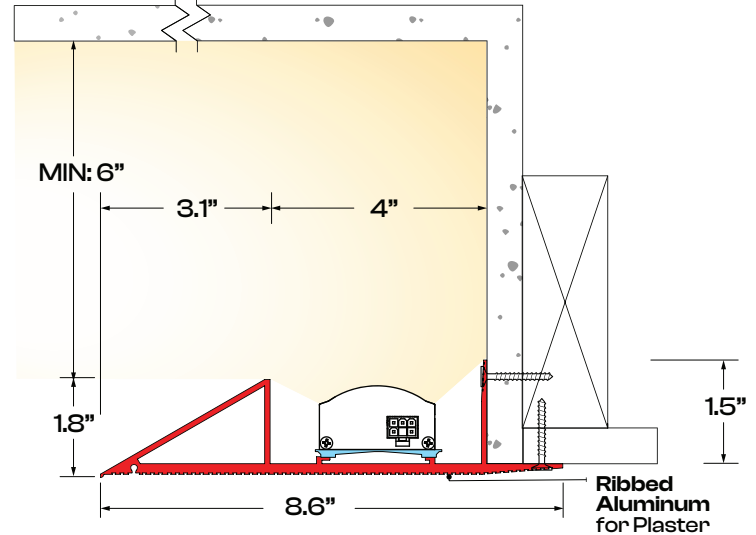

Soft Corner Coves

Radius: Min: 12", Max: 45"

A

B
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

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Project _____
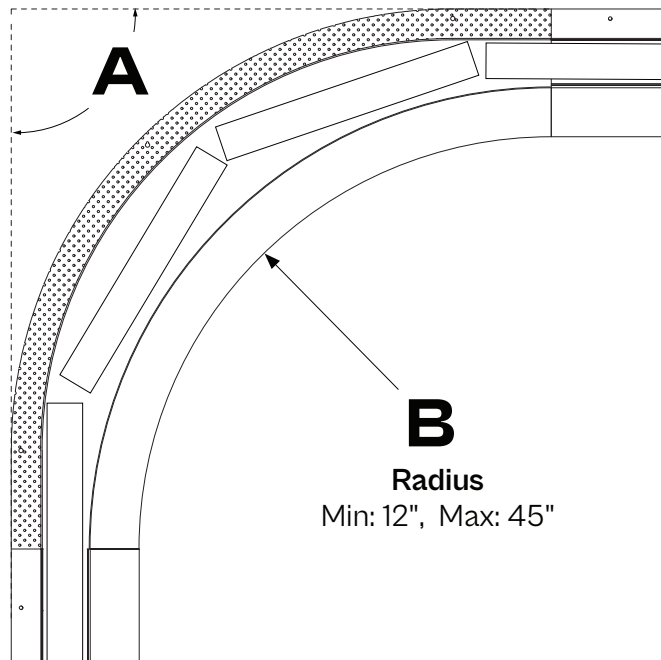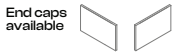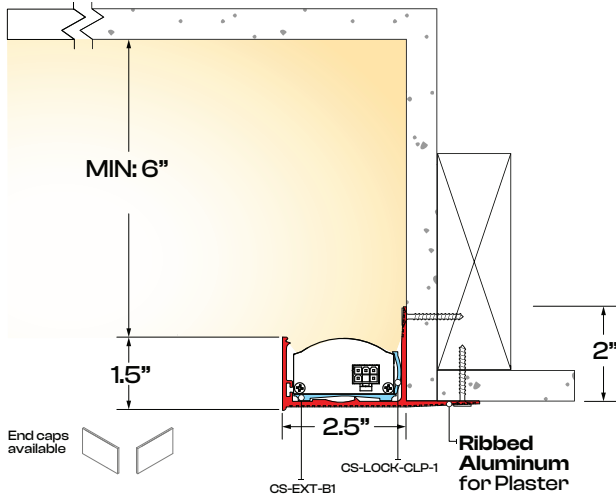
Type _____

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

MIN: 6"

1.5"

2"

2.5"

End caps available

CS-EXT-B1

CS-LOCK-CLP-1

Ribbed Aluminum for Plaster

Straight Corner | Curved Corner | Linear Runs

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

Included in Order:

Mounting Bracket	CS-EXT-B1

Included in Order:

Spring Clip	CS-LOCK-CLP-1

GF-2 | Gypsum Flat Front Tall

MIN: 6"

2.12"

6"

3.25"

1.5"

Ribbed Aluminum for Plaster

Straight Corner | Linear Runs

Included in Order:

Mounting Bracket	CS-EXT-B1

GF-3 | Gypsum Flat Front High Blocking

MIN: 6"

1.5"

3"

4"

Ribbed Aluminum for Plaster

Straight Corner | Curved Corner | Linear Runs

Included in Order:

Mounting Bracket	CS-EXT-B1

K1 | Gypsum Knife-Edge 30°

MIN: 6"

2.47"

2.43"

1.4"

5"

2"

End caps available

CS-EXT-B1

CS-LOCK-CLP-1

Ribbed Aluminum for Plaster

Straight Corner | Curved Corner | Linear Runs

Left End Cap	CP-K1-END-L
Right End Cap	CP-K1-END-R

Included in Order:

Mounting Bracket	CS-EXT-B1

Included in Order:

Spring Clip	CS-LOCK-CLP-1

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▶ Plaster-In - Mounting Systems

⚠️ All Plaster - In Mounting Systems are shipped umprimed / unpainted along with a seam filler for a seamless install.
8' standard length, field cut as required for made to measure applications.
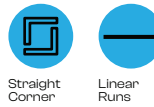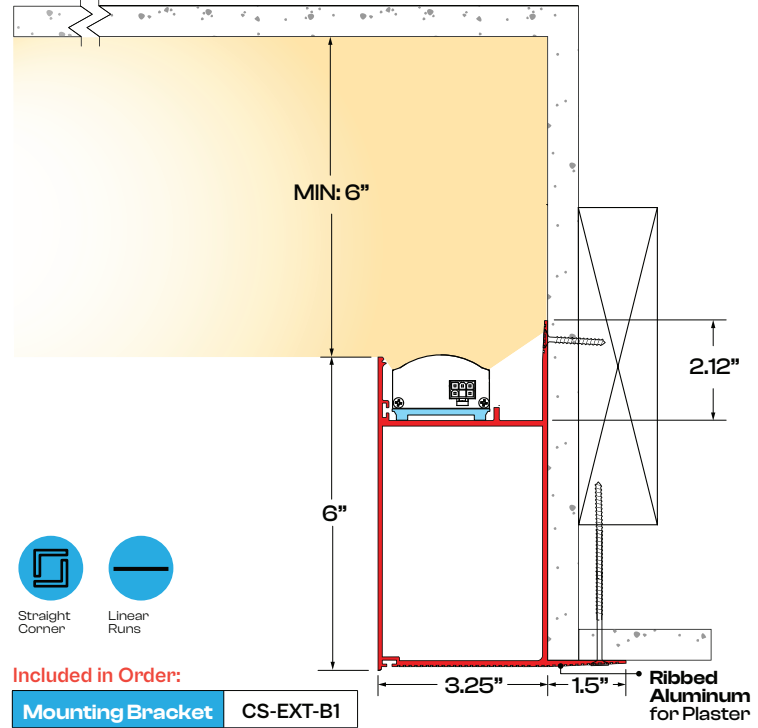
K2 | Gypsum Knife-Edge 40°

MIN: 6"
1.8" 2.43"
1.4"
4.2"
1.25"
CS-EXT-B1
CS-LOCK-CLP-1
Ribbed Aluminum for Plaster

End caps available

Straight Corner · Curved Corner · Linear Runs
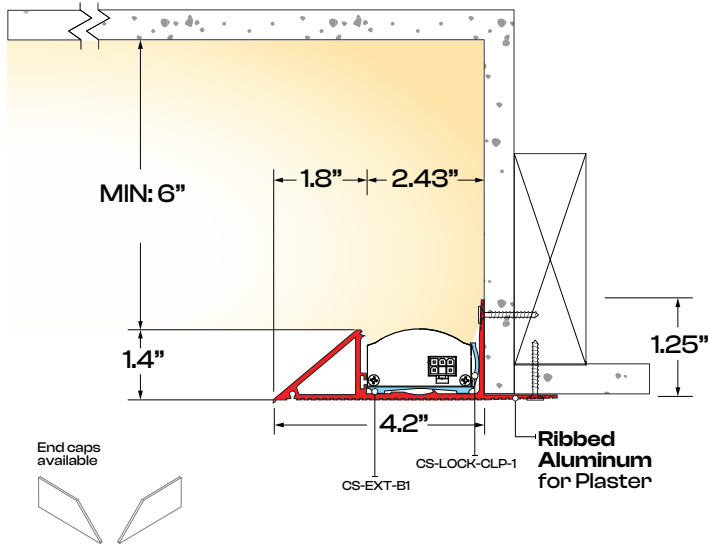
Left End Cap	CP-K2-END-L
Right End Cap	CP-K2-END-R

Included in Order:

Mounting Bracket	CS-EXT-B1

Included in Order:

Spring Clip	CS-LOCK-CLP-1

K3 | Gypsum Knife-Edge Infinity

MIN: 6"
8.29"
4.75" 3.44"
1.32"
17°
0.625"
R.075"
2.19" 0.050" 1.5"
9.8"
1.5"
Ribbed Aluminum for Plaster
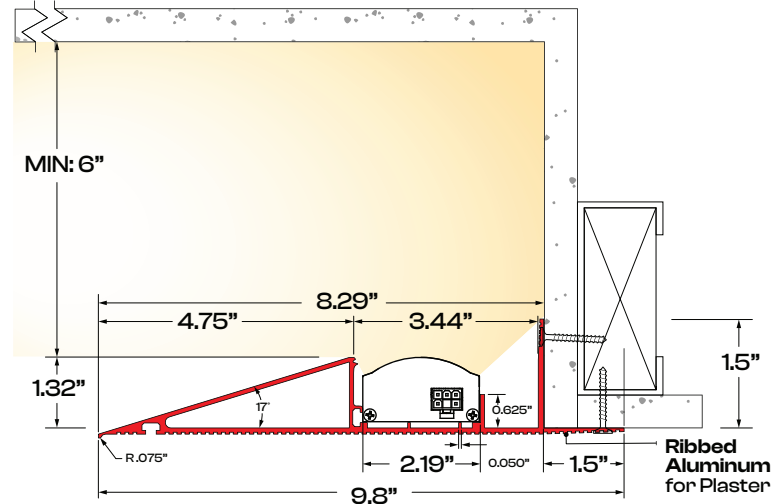
Straight Corner · Curved Corner · Linear Runs

▶ Surface - Mounting Systems

⚠️ Wall Mount Mounting Systems are shipped umprimed / unpainted along with a seam filler for a seamless install.
8' standard length, field cut as required for made to measure applications.

FX | Fixed Clip Mounting (for existing coves)

2.3"
1.2"
Cove by others

Linear Runs

1"
Mounting Rivet
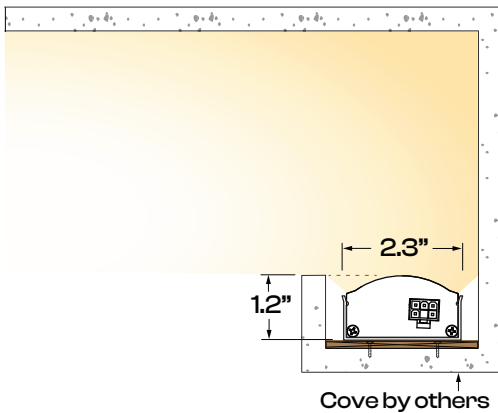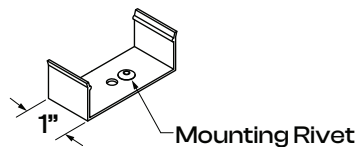
Included in Order:

Fixed Clip	CSB-1

WF | Wall Mount Flat Front

MIN: 6"
1.5"
2.9"

End caps available
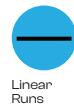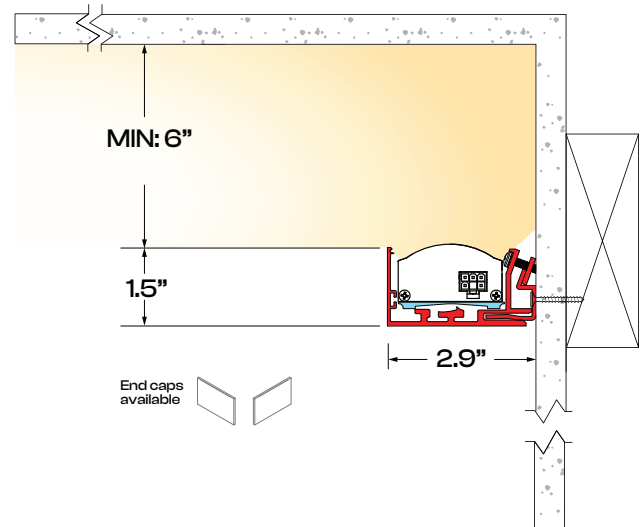
Linear Runs

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 umprimed / unpainted along with a seam filler for a seamless install.
8' standard length, field cut as required for made to measure applications.

Return Air Slot

72 Square inches of **Return Air** per 8ft section

Blocking between Return Air slots

i2Systems Continuous Cove

RETURNAIR by i2Systems

Return Air Slot

Drywall

Blocking
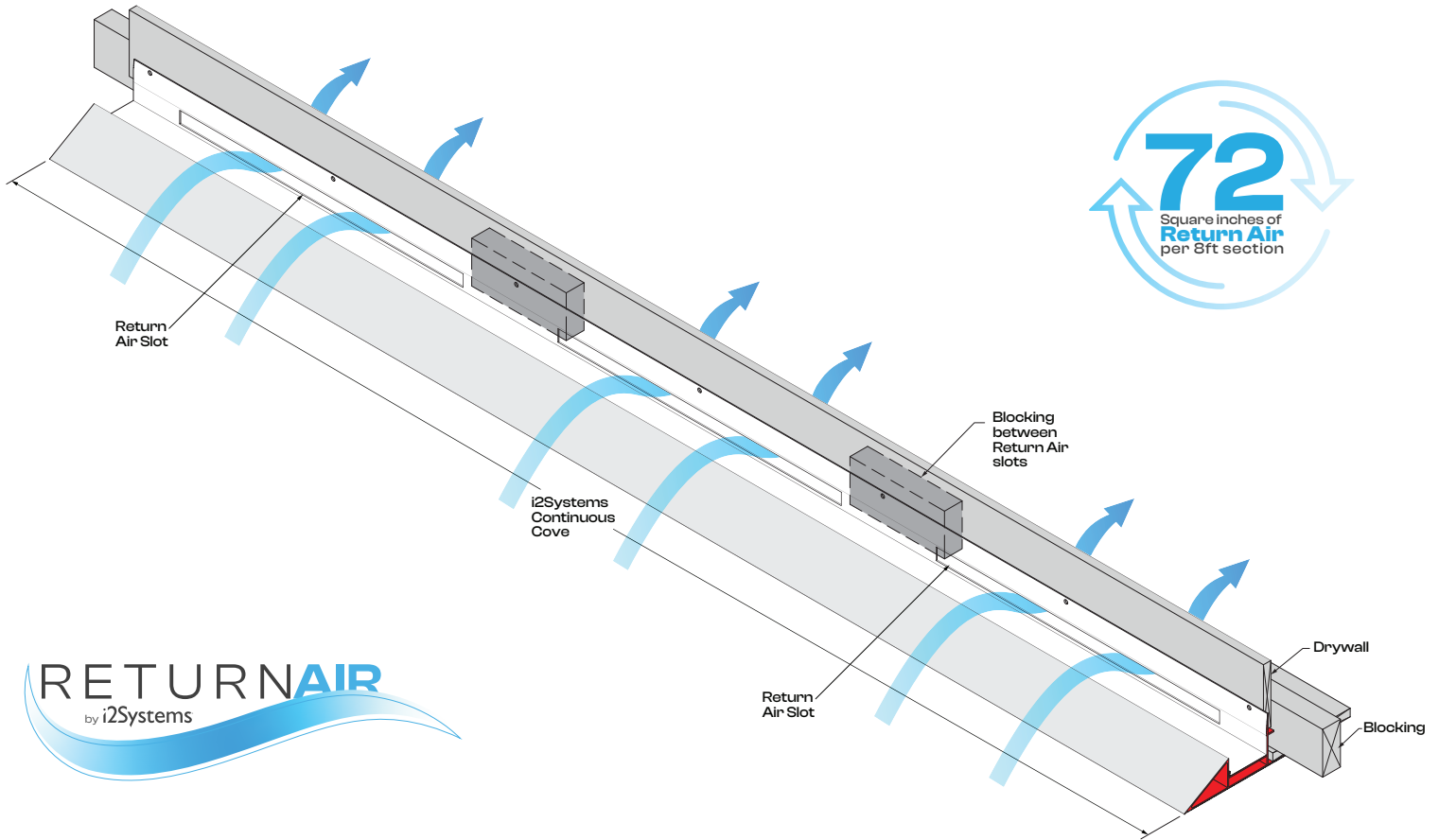
GF-RA | Gypsum Flat Front w/Air Return

MIN: 6"
4.3"
2.2"
1" Air Return

Solid Blocking by others

Blocking between Air Return

Ribbed Aluminum for Plaster

Straight Corner
Curved Corner
Curved Patterns
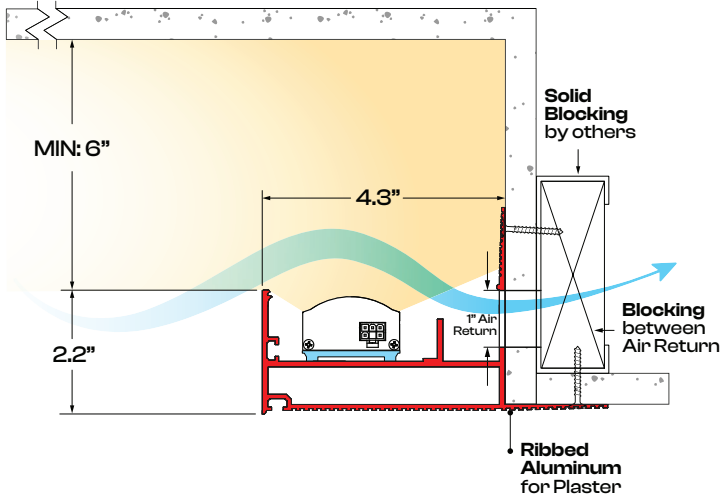
PATENT PENDING

Included in Order:

Mounting Bracket | CS-EXT-B1

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

MIN: 6"
7"
3.25"
2.2"
1" Air Return

Solid Blocking by others

Blocking between Air Return

Ribbed Aluminum for Plaster

Straight Corner
Curved Corner
Curved Patterns

PATENT PENDING

Included in Order:

Mounting Bracket | CS-EXT-B1

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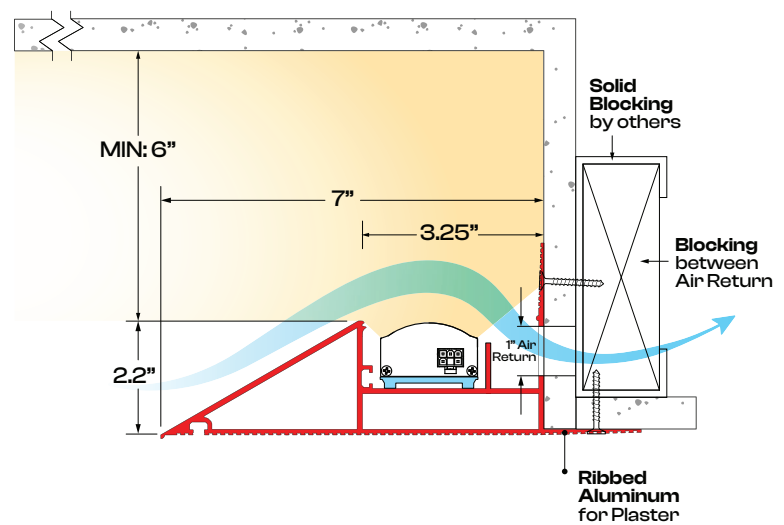
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▶ **Controls -** 0-10V System Architecture

Sensor CONNECT

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.

POWER FEED
120 - 277VAC INPUT

ZONE 1

ZONE 2

3rd Party Wireless Controller BY OTHERS

SENSOR **ZONE 1**

START OF ROW CONTROL

SENSOR **ZONE 2**

0-10V LUTRON® ATHENA - SVL

Sensor Connect Connector on Compose® Luminare

Sensor Module by i2Systems

25' Power Cable by i2Systems

*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
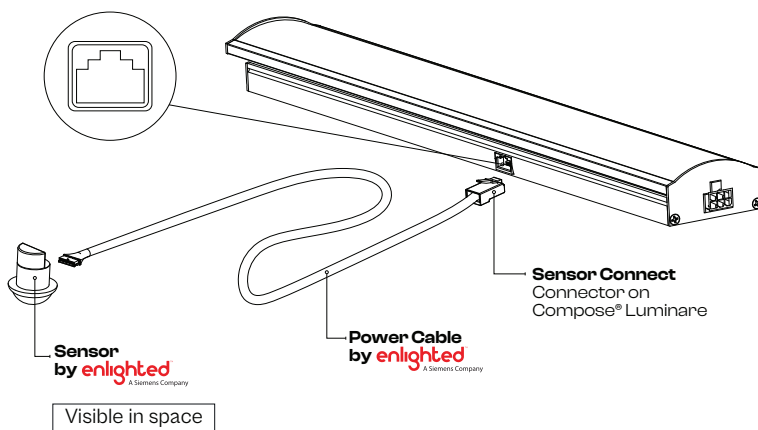
Sensor Connect Connector on Compose® Luminare

Power Cable by enlighted A Siemens Company

Sensor by enlighted A Siemens Company

Visible in space

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'

i2Systems ADVANCED LED LIGHTING

CALL FOR **SPECIFICATION** SUPPORT: **+1.860.567.0708**

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Controls - DALI

Sensor CONNECT

SAL - DALI - ATHENA

SAE- DALI - ENLIGHTED
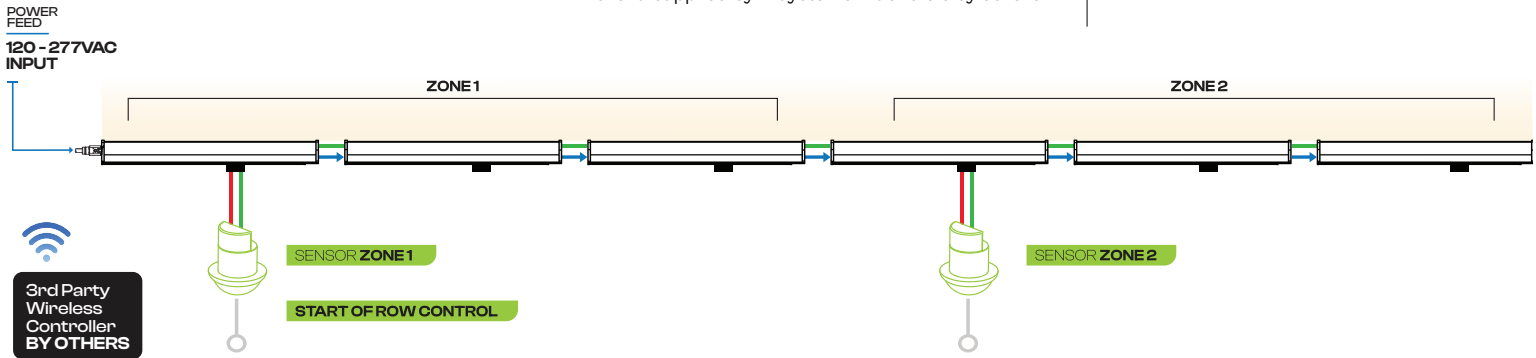
POWER FEED

120 - 277VAC INPUT

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.
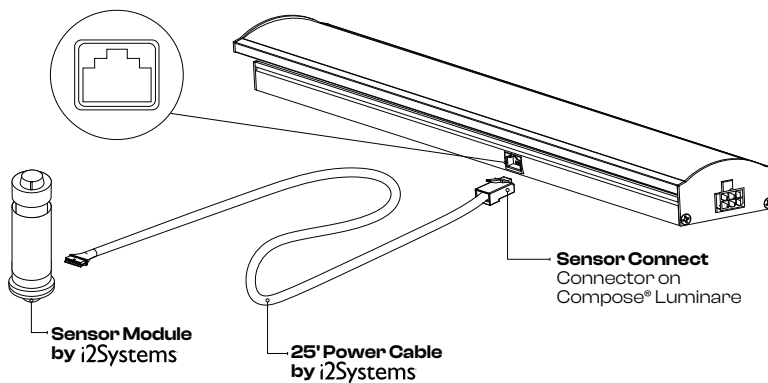
Multiple sensors provide separate zone control.

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.

Up to 64 Total Luminaires

B | A | S | A | A | B

B - BEGINNING OF RUN 18/48"

A - DALI Module 12/18/48"

S - SENSOR Module 18/48"

A - DALI Module

A - DALI Module

B - BEGINNING OF RUN 18/48"

*Note: Beginning of run **DOES NOT** need power

1 - NODE PER ZONE

* Start of next zone

Sensor Module can be placed in any location downstream of beginning of run unit.

3rd Party Wireless Controller **BY OTHERS**

0-10V LUTRON® ATHENA - SVL

Sensor Connect
Connector on Compose® Luminare

Sensor Module by i2Systems

25' Power Cable by i2Systems

*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
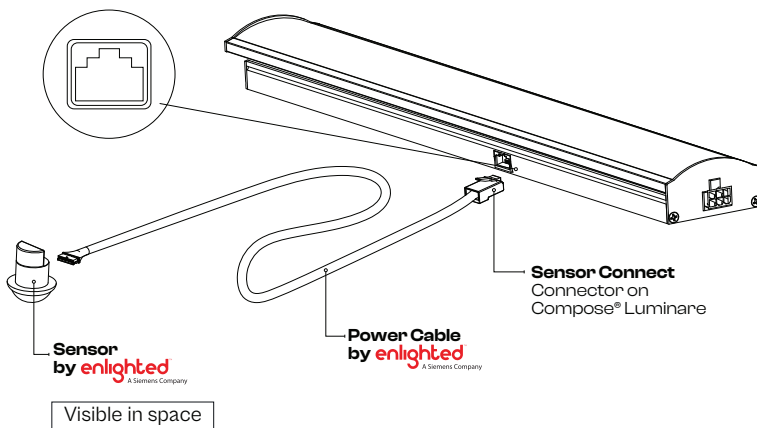
Sensor Connect
Connector on Compose® Luminare

Power Cable by enlighted® A Siemens Company

Sensor by enlighted® A Siemens Company

Visible in space

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'

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Project

Type

▶ Controls

- Up to **64 Addresses** per Controller.
- **(1) Address** is reserved for **INTENSITY** for each light fixture.
- LED Modules for LUTRON® EcoSystem® dimming are **ONLY** offered in 18" and 48" lengths.

L │ LUTRON ECOSYSTEM®

Power Input - typically wired to an External Switch or Controller - **Provided by others.**

120 - 277 VAC

POWER FEED

EcoSystem Control

EcoSystem Bus
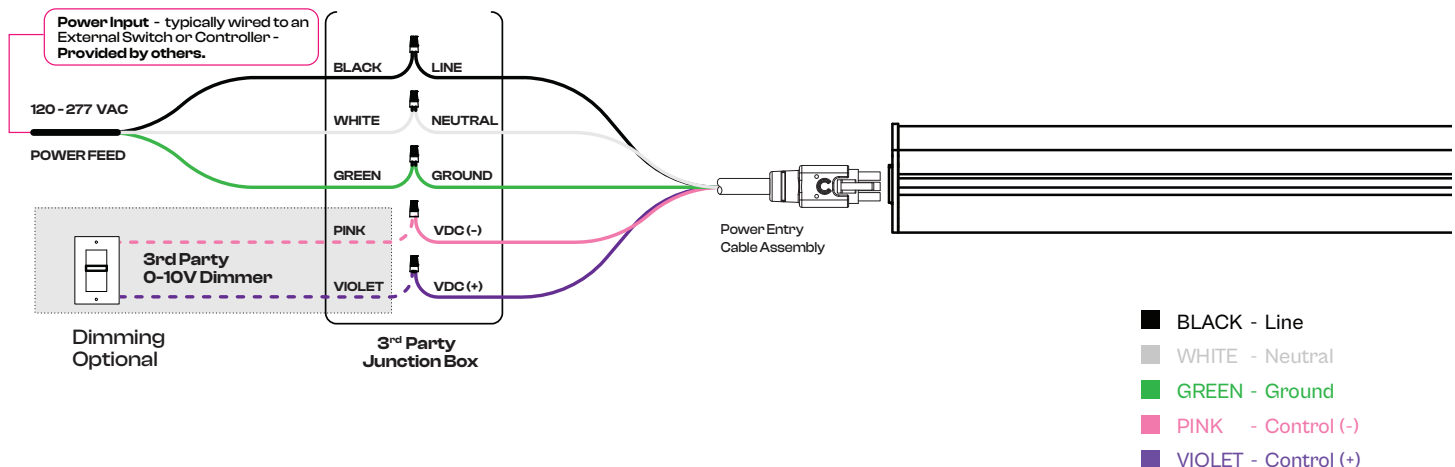
BLACK — LINE
WHITE — NEUTRAL
GREEN — GROUND
PINK — E1
VIOLET — E2

3rd Party Junction Box

Power Entry Cable Assembly

LUTRON EcoSystem Enabled

■ BLACK - Line
■ WHITE - Neutral
■ GREEN - Ground
■ PINK - Control (-)
■ VIOLET - Control (+)

LUTRON®

INSTALLATION SIZE	Total Digital Addresses Available	CONTROLLABLE ZONES	iPAD / iPHONE CONTROL	SYSTEM	LINK	WALL CONTROLS
SMALL	64	6	NO	GrafikEyeQS w/Eco #QSGRJ-6E	https://www.lutron.com/TechnicalDocumentLibrary/QSGRJ-xESub.pdf	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	https://www.lutron.com/TechnicalDocumentLibrary/QSGRJ-xESub.pdf	Wall controls to include one QSWS2-5BRLN-WH-EGN
LARGE	128	30+	YES	EnergiSavrNode #QSN-2ECO-S	http://www.lutron.com/TechnicalDocumentLibrary/369-248.pdf	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

Power Input - typically wired to an External Switch or Controller - **Provided by others.**

120 - 277 VAC

POWER FEED

3rd Party 0-10V Dimmer

Dimming Optional

BLACK — LINE
WHITE — NEUTRAL
GREEN — GROUND
PINK — VDC (-)
VIOLET — VDC (+)

3rd Party Junction Box

Power Entry Cable Assembly

■ BLACK - Line
■ WHITE - Neutral
■ GREEN - Ground
■ PINK - Control (-)
■ VIOLET - Control (+)

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⚠️ ELV offered at **5-12W/ft**.

▶ **Controls**

E | ELV / Forward Phase

Power Input - typically wired to an External Switch or ELV Dimmer - **Provided by others.**

120 VAC

POWER FEED

BLACK — LINE
WHITE — NEUTRAL
GREEN — GROUND

3rd Party Junction Box

Power Entry Cable Assembly

■ BLACK - Line
■ WHITE - Neutral
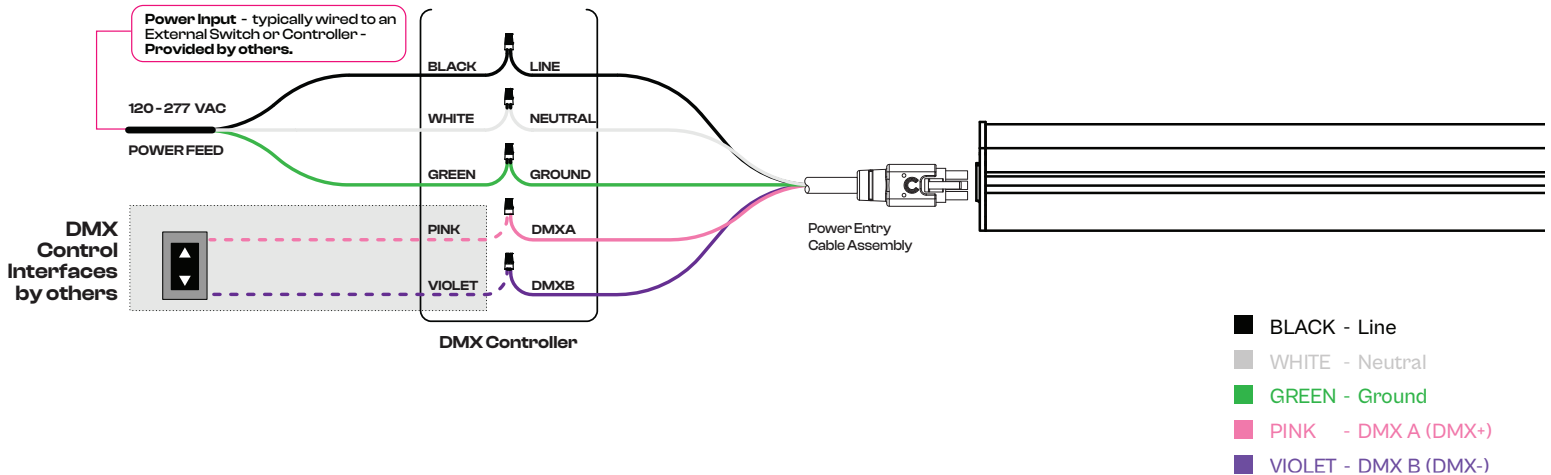■ GREEN - Ground

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)

Power Input - typically wired to an External Switch or Controller - **Provided by others.**

120 - 277 VAC

POWER FEED

BLACK — LINE
WHITE — NEUTRAL
GREEN — GROUND
PINK — DMXA
VIOLET — DMXB

DMX Control Interfaces by others

DMX Controller

Power Entry Cable Assembly

■ BLACK - Line
■ WHITE - Neutral
■ GREEN - Ground
■ PINK - DMX A (DMX+)
■ VIOLET - DMX B (DMX-)

A | DALI

⚠️ • Up to **64 Addresses** per Controller.
• For Static White, use only **(1) one control channel per light fixture.**

Power Input - typically wired to an External Switch or Controller - **Provided by others.**

120 - 277 VAC

POWER FEED

BLACK — LINE
WHITE — NEUTRAL
GREEN — GROUND
PINK
VIOLET

DALI Interface by others

Power Entry Cable Assembly

■ BLACK - Line
■ WHITE - Neutral
■ GREEN - Ground
■ PINK - Control (-)
■ VIOLET - Control (+)

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