i2Cove™
ACT: Ceiling-to-Wall | STATIC**WHITE**

The smallest true symmetric, fully integrated cove lighting system. Seamlessly integrates with ACT ceiling profiles.

▶ PERFORMANCE

3000K LUMEN DATA

System Watts/Ft	Delivered Lumens/Ft	
	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

Lumens per foot based on a 4' LED module

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

MAX CABLE & RUN LENGTH

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

UL · 5 YEAR WARRANTY · FC · RoHS compliant 2002/95/EC · EcoSystem Enabled

DOWNLOAD IES FILES | DOWNLOAD TUNABLE SPEC | DOWNLOAD WARM-DIM SPEC

▶ FEATURES & BENEFITS

SYMMETRIC BEAM

LOW PROFILE
Just 1" tall

SMOOTH DISTRIBUTION FOR CLOSE TO WALL OR CEILING APPLICATIONS
2 Step MacAdam Ellipse with tight LED spacing

PLUG & PLAY
120-277 VAC, 12", 18", & 24" fixtures

WIDE OPTICAL WINDOW
Great for backlighting, barrisol ™, newmat ™, or other stretch fabrics

ONLY 5 WIRES
LiGHTLiNK™ Enabled | EcoSystem Enabled

▶ SPECIFICATION CODE BUILDER

EXAMPLE: CS-08W-30K-H-AC-L

Series	Power	CCT	Color Quality	Mounting	Controls	Geometry Direction
CS						
	02W*	18K - 1850K	H - High (92)	AC - ACT	V - 0-10V	Straight
	03W*	20K - 2000K	R Values on pg.9		L - Lutron Ecosystem ** 1 Address - (Intensity)	L - Shape
	04W*	22K - 2200K			E - ELV §	U-Shape
	05W	25K - 2500K			D - DMX	Sq. / Rect.
	06W	27K - 2700K			A - DALI	Custom
CS i2 Cove™	07W	30K - 3000K			Sensor**CONNECT**	
	08W	35K - 3500K			SVL - 0-10V ATHENA ‡	
	09W	40K - 4000K			SAL - DALI - LUTRON® ATHENA	
	10W	45K - 4500K			SAE - DALI - ENLIGHTED™	
	11W	50K - 5000K			SVE - 0-10V ENLIGHTED™ ‡	
	12W	57K - 5700K				
		65K - 6500K				

*Dims to 1%   ** Offered in 18" & 48" Lengths   § Starting at 6W. Contact i2Systems for dimming levels   ‡ Offered in 18" & 48" Lengths   ¶ Offered in 18" & 48" Lengths. Coming soon

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LED Module Critical Information

AC | ACT Mounting
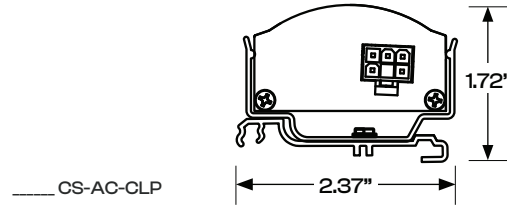
_____ CS-AC-CLP

1.72"

2.37"

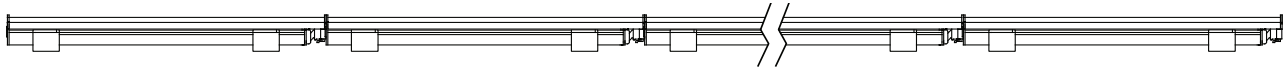⚠ Profiles supplied by ceiling provider. Architect to specify in Section 9 of the master specification.
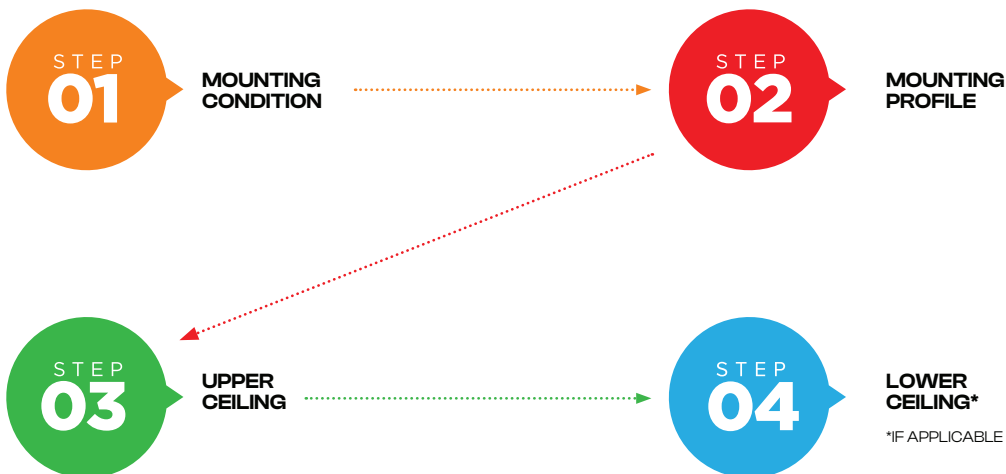
LED Module Connections

⚠ Modules can be installed in a variety of configurations: linearly, around corners, or around curved spaces. **All installations require equal spacing between modules.**

LINEAR
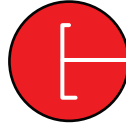Connected modules end-to-end for straight run conditions.

4 Simple Steps Specification Process

STEP **01** MOUNTING CONDITION

STEP **02** MOUNTING PROFILE

STEP **03** UPPER CEILING

STEP **04** LOWER CEILING*

*IF APPLICABLE

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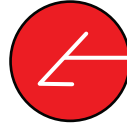CS-SPEC-SYS-STATIC / 06.24   PAGE 2 of 10

CEILING COVES

STEP 02 PICK MOUNTING PROFILE

☐ PROFILES ☐

ITEMS MARKED IN YELLOW ARE SUPPLIED BY i2Systems®
ALL OTHER COMPONENTS ARE SUPPLIED BY CEILING PROVIDER.

⚠️

Profiles supplied by ceiling provider. Architect to specify in Section 9 of the master specification.

20 GA STEEL STUD

MOUNTING HEIGHT SPECIFIED BY ARCHITECT

LED FIXTURE SUPPLIED BY i2Systems®. ALL OTHERS SUPPLIED BY CEILING PROVIDER.

5 3/16"

4"

HANG WIRE TO STRUCTURE

MAIN BEAM

ACOUSTICAL PANEL

STEP 03 PICK YOUR UPPER CEILING

ACT ☐

GYPSUM ☐

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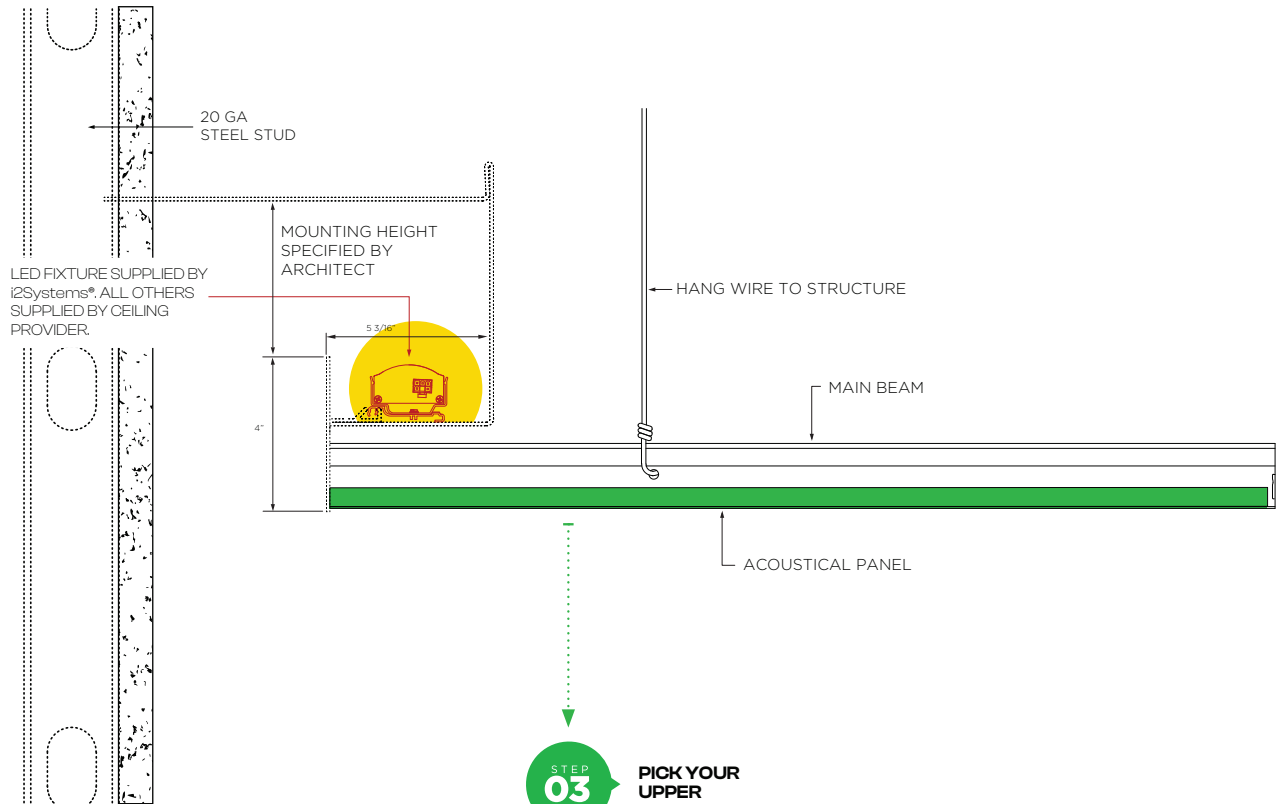CS-SPEC-SYS-STATIC / 06.24

PAGE 3 of 10
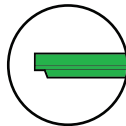
ADJUSTABLE CEILING COVES

ITEMS MARKED IN YELLOW ARE SUPPLIED BY i2Systems®
ALL OTHER COMPONENTS ARE SUPPLIED BY CEILING PROVIDER.

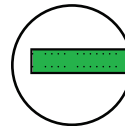⚠️ Profiles supplied by ceiling provider. Architect to specify in Section 9 of the master specification.
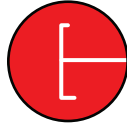
STEP 02 — PICK MOUNTING PROFILE

☐ PROFILES ☐

MAIN BEAM

MOUNTING HEIGHT SPECIFIED BY ARCHITECT

LED FIXTURE SUPPLIED BY i2Systems®. ALL OTHERS SUPPLIED BY CEILING PROVIDER.

5 3/16"

4"

HANG WIRE TO STRUCTURE

MAIN BEAM

STEP 03 — PICK YOUR UPPER CEILING

ACT ☐   GYPSUM ☐

STEP 04 — PICK YOUR LOWER CEILING

ACT ☐   GYPSUM ☐

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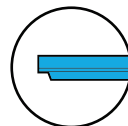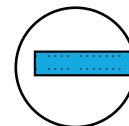
Controls | 0-10V

Sensor CONNECT

SVL - 0-10V ATHENA ¶I

SVE - 0-10V ENLIGHTED ¶I

- The Energy Manager provides the lighting command.
- 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 - 277 VAC
INPUT**

ZONE 1

ZONE 2

SENSOR **ZONE 1**

SENSOR **ZONE 2**
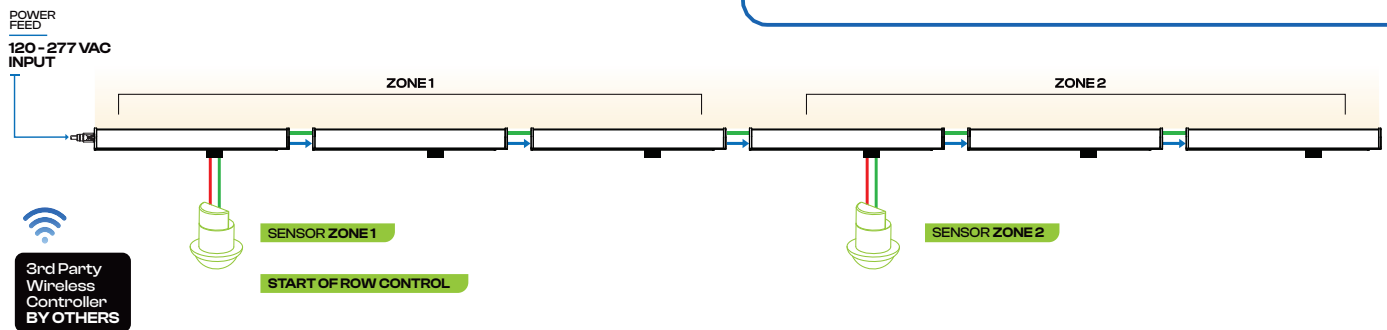
START OF ROW CONTROL

3rd Party
Wireless
Controller
BY OTHERS

0-10V LUTRON® ATHENA

Control Sensors

LUTRON® Athena	Wireless Node	**By i2** SVL-KIT-25-N
LUTRON® Athena	Wireless Node Sensor	**By i2** SVL-KIT-25-S
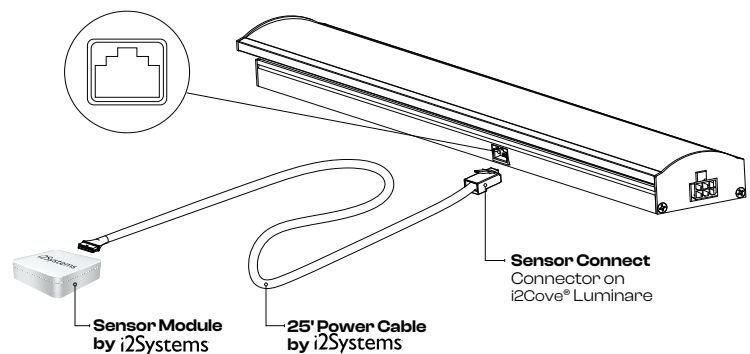
Sensor Module by i2Systems

25' Power Cable by i2Systems

Sensor Connect Connector on i2Cove® Luminare

0-10V ENLIGHTED™

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'

Control Sensor

Enlighted™	Sensor	SU-5E

Sensor by enlighted A Siemens Company

Power Cable by enlighted A Siemens Company

Sensor Connect Connector on i2Cove® Luminare

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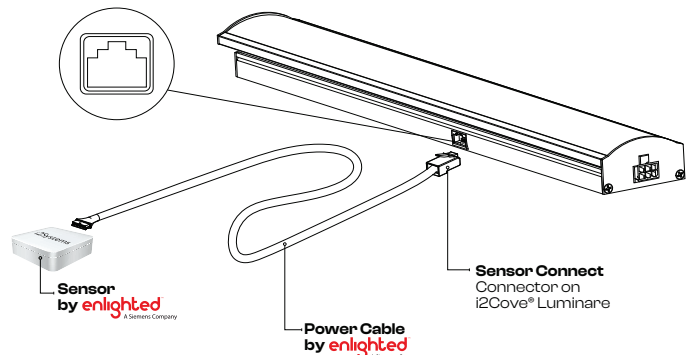
Controls │ DALI

SensorCONNECT

SAL - 0-10V ATHENA ¶|

SAE - 0-10V ENLIGHTED ¶|

- The Energy Manager provides the lighting command.
- 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.**

POWER FEED
120 - 277 VAC INPUT

Up to 64 Total Luminaires

| B | A | S | A | A | A |

B - BEGINNING OF RUN **18/48"**
A - DALI Module **12/18/48"**
S - SENSOR Module **18/48"**
A - DALI Module
A - DALI Module
A - DALI Module

3rd Party Wireless Controller **BY OTHERS**

◄◄◄◄ ►►►►

1 - **NODE PER ZONE**

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

DALI ATHENA™

Control Sensors

LUTRON® Athena	Wireless Node	**By i2** SAL-KIT-25-N
LUTRON® Athena	Wireless Node Sensor	**By i2** SAL-KIT-25-S
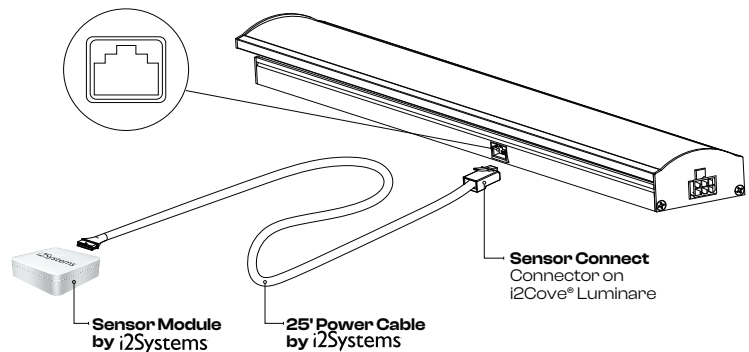
Sensor Module by i2Systems

25' Power Cable by i2Systems

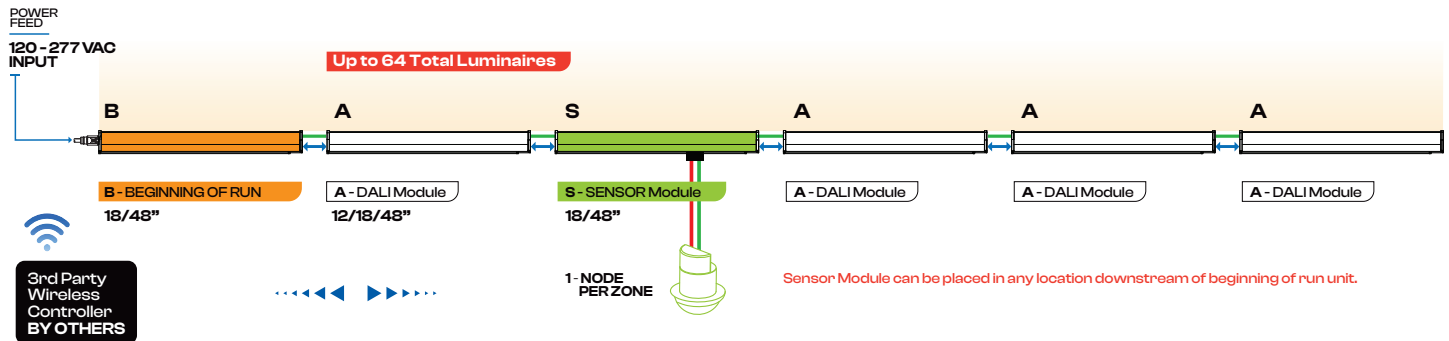**Sensor Connect** Connector on i2Cove® Luminare

---

DALI ENLIGHTED™

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'

Control Sensor

Enlighted™	Sensor	SU-5E

Sensor by enlighted A Siemens Company

Power Cable by enlighted A Siemens Company

Sensor Connect Connector on i2Cove® Luminare

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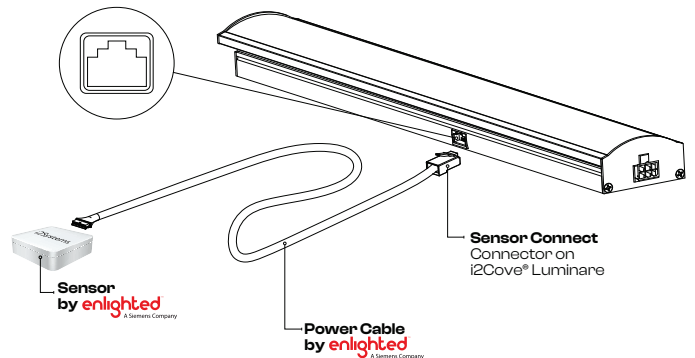
CONTROLS

L | LUTRON® EcoSystem®

EcoSystem® Enabled

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	E1
VIOLET	E2

EcoSystem Control

EcoSystem Bus

3rd Party Junction Box

Power Entry Cable Assembly

i2Cove™ Luminaire

BLACK	- Line
WHITE	- Neutral
GREEN	- Ground
PINK	- Control (-)
VIOLET	- Control (+)
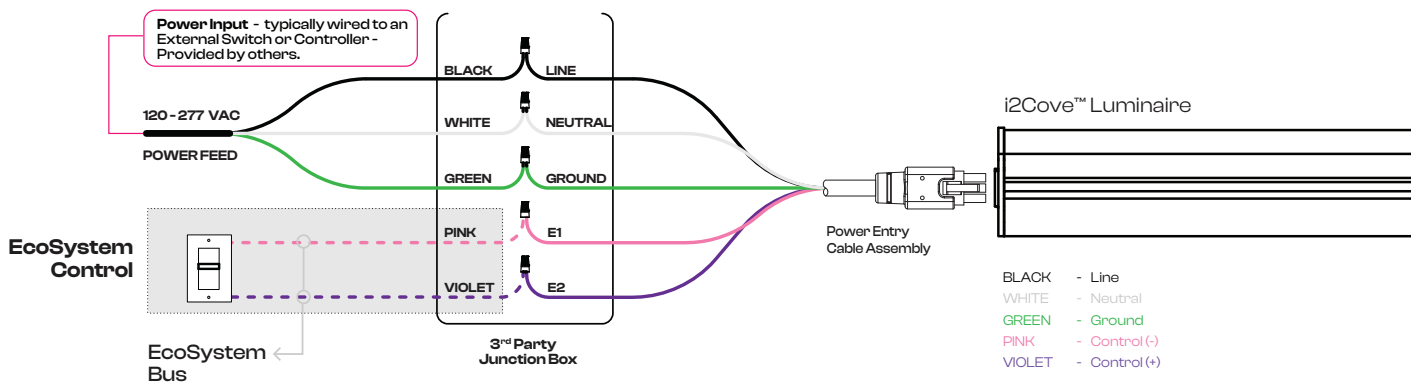
- Up to **64** Addresses per Controller.
- (1) Address is reserved for **INTENSITY** for each light fixture.
- LED Modules for LUTRON® EcoSystem® dimming are **ONLY** offered in 18" and 48" lengths.

☀LUTRON®

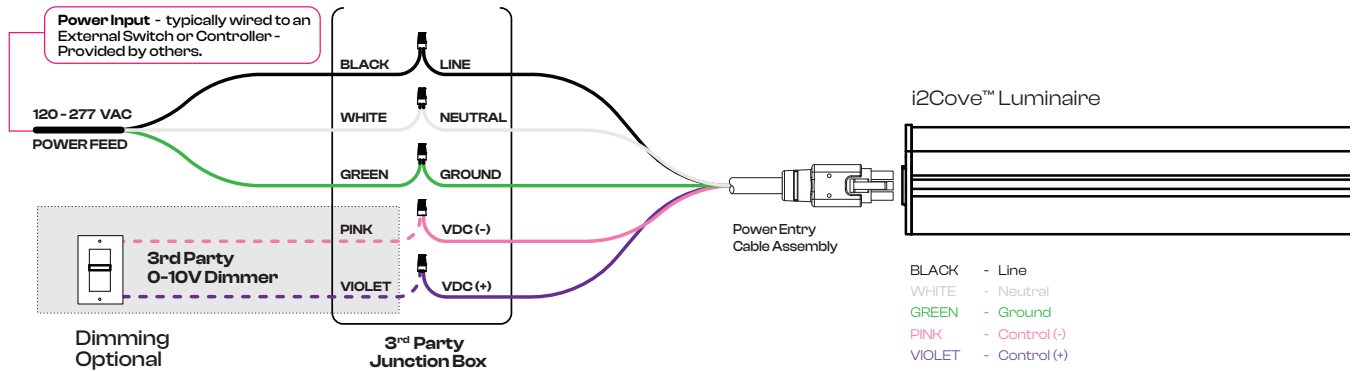| INSTALLATION SIZE	Total Digital Addresses Available	CONTROLLABLE ZONES	iPAD / iPHONE CONTROL	SYSTEM	LINK	WALL CONTROLS
SMALL	64	6	NO	GrafikEyeQS w/Eco #QSGRJ-6E	https://www.lutron.com/TechnicalDocumentLibrary/QSGRJ-xE Sub.pdf	One 4-button (3-scene) wireless Pico and two wireless Pico #PJ2-2BRL-GWH-L01 for Raise/Lower of CCT & Dimming
SMALL - ADDITIONAL ZONES	64	16	NO	GrafikEyeQS w/Eco #QSGRJ-16E	https://www.lutron.com/TechnicalDocumentLibrary/QSGRJ-xE Sub.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.					

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CONTROLS

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

i2Cove™ Luminaire

BLACK — Line
WHITE — Neutral
GREEN — Ground
PINK — Control (–)
VIOLET — Control (+)

E | ELV / PHASE+

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

120 VAC
POWER FEED

BLACK — LINE
WHITE — NEUTRAL
GREEN — GROUND

3rd Party Junction Box

Power Entry Cable Assembly

i2Cove™ Luminaire

BLACK — Line
WHITE — Neutral
GREEN — Ground

†Contact i2Systems for dimming levels.

D | DMX

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

120 - 277 VAC
POWER FEED

DMX Control Interfaces by others

DMX Interface

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

DMX Controller

Power Entry Cable Assembly

i2Cove™ Luminaire

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

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COLOR QUALITY | R Values

CRI - 83 and 92 (Standard)

Color Temp.	Ra	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
1850K	85	85	95	93	81	85	97	81	63	32	90	82	92	87	97	78
2000K	83	82	92	97	80	81	90	84	61	18	81	79	72	84	99	75
2200K	84	82	92	97	81	82	91	83	62	23	82	81	79	84	99	76
2500K	84	82	92	96	81	82	93	82	61	23	84	82	82	85	99	75
2700K	91	92	92	91	93	91	88	94	86	55	81	92	60	93	95	89
3000K	96	98	97	93	94	99	94	96	94	80	92	89	72	99	96	98
3500K	93	95	94	94	95	94	92	96	88	62	86	93	66	95	96	90
4000K	96	98	97	95	97	97	95	96	90	71	92	93	71	98	97	94
4500K	96	95	99	97	92	96	95	98	96	88	97	85	81	95	97	98
5000K	96	97	98	99	97	97	93	94	89	75	97	91	78	97	99	96
5700K	94	95	97	98	91	94	90	94	89	75	92	82	91	94	98	97
6500K	92	96	96	95	93	94	87	91	85	69	90	83	85	94	98	95

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i2Cove™
ACT: Ceiling-to-Wall

STATICWHITE

LED Module End Views

LENGTH (A)
12.13"
18.13"
48.13"

i2Cove™ Luminaire

12", 18", 48"

1.2"
1.2"
2.14"
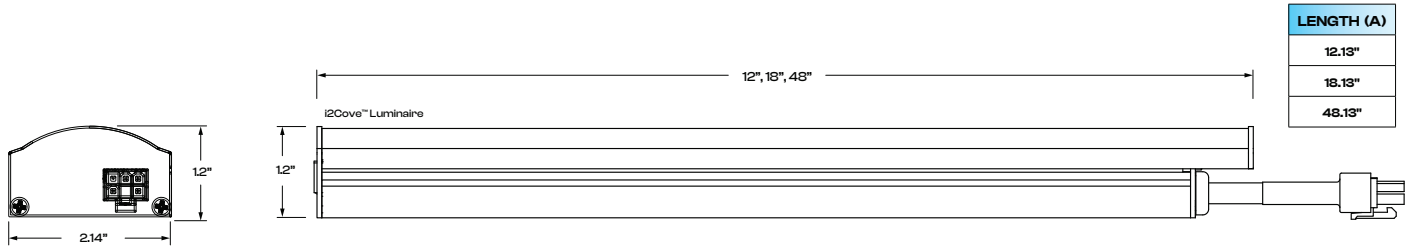
LED Module Technical Properties

E   ENVIRONMENT:

FOR INDOOR USE ONLY.

Ambient operating temperature: (0°C) - (+40°C)

0% to 90% humidity, non-condensing

IP   PROTECTION:

IP50 - suitable for Damp locations

V   INPUT VOLTAGE:

120-277 VAC 60 Hz

H   HOUSING:

Aluminum Housing & Diffused Polycarbonate Optic Lens

S   STORAGE TEMPERATURE:

Range: (-20°C) - (+65°C)

W   WEIGHT:

12" - 0.87lb
18" - 1.31lb
48" - 3.10lb
Corners - 1.95lb

L   LIFE:

60,000hrs to L70

Power Input cables

Straight
CS-PIC-S-010

0.6"
120"

Right angle
CS-PIC-R-120

0.9"
120"
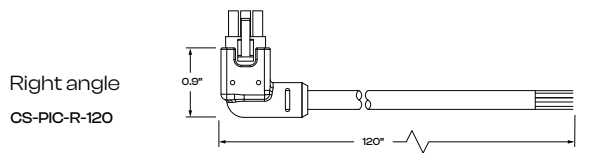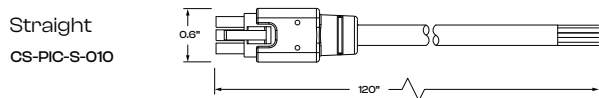
Contact i2Systems for Custom Lengths

Jumper Cables

0.6"
A
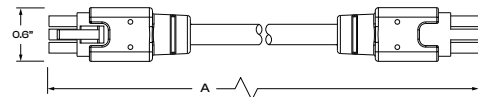
Jumper Cable Length (A)	
CS-JMP-W-003N	3"
CS-JMP-W-006N	6"
CS-JMP-W-001	12"
CS-JMP-W-002	24"
CS-JMP-W-003	36"
CS-JMP-W-004	48"
CS-JMP-W-006	72"

Certifications

c(UL)us   5 YEAR WARRANTY   FC   RoHS compliant 2002/95/EC   LUTRON EcoSystem® Enabled

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